



NASA SP-7039(24)
Section 2
Indexes

NASA PATENT ABSTRACTS BIBLIOGRAPHY

A CONTINUING BIBLIOGRAPHY

Section 2 • Indexes

JANUARY 1984

(NASA-SP-7039 (24) -Sect-2) PATENT ABSTRACTS N84-20433
BIBLIOGRAPHY, A CONTINUING BIBLIOGRAPHY.
SECTION 2: INDEXES (National Aeronautics
and Space Administration) 364 p HC \$20.00 Unclass
CSCL 05B 00/82 12564

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

ACCESSION NUMBER RANGES

<i>Bibliography Number</i>	<i>STAR Accession Numbers</i>
NASA SP-7039(04)	N69-20701 – N73-33931
NASA SP-7039(12)	N74-10001 – N77-34042
NASA SP-7039(13)	N78-10001 – N78-22018
NASA SP-7039(14)	N78-22019 – N78-34034
NASA SP-7039(15)	N79-10001 – N79-21993
NASA SP-7039(16)	N79-21994 – N79-34158
NASA SP-7039(17)	N80-10001 – N80-22254
NASA SP-7039(18)	N80-22255 – N80-34339
NASA SP-7039(19)	N81-10001 – N81-21997
NASA SP-7039(20)	N81-21998 – N81-34139
NASA SP-7039(21)	N82-10001 – N82-22140
NASA SP-7039(22)	N82-22141 – N82-34341
NASA SP-7039(23)	N83-10001 – N83-23266
NASA SP-7039(24)	N83-23267 – N83-37053

This bibliography was prepared by the NASA Scientific and Technical Information Facility operated for the National Aeronautics and Space Administration by PRC Government Information Systems.

NASA

**PATENT
ABSTRACTS
BIBLIOGRAPHY**

A CONTINUING BIBLIOGRAPHY

Section 2 • Indexes

Indexes for the annotated references to NASA-owned inventions covered by U.S. patents and applications for patent that were announced in *Scientific and Technical Aerospace Reports (STAR)* between May 1969 and December 1983. This issue supersedes all previous Index Sections.



Scientific and Technical Information Branch

1984

National Aeronautics and Space Administration

Washington, DC

This supplement is available as NTISUB/111/093 from the National Technical Information Service (NTIS), Springfield, Virginia 22161 at the price of \$20.00 domestic; \$40.00 foreign for standing orders. Please note: Standing orders are subscriptions which do not terminate at the end of a year, as do regular subscriptions, but continue indefinitely unless specifically terminated by the subscriber.

INTRODUCTION

Several thousand inventions result each year from the aeronautical and space research supported by the National Aeronautics and Space Administration. The inventions having important use in government programs or significant commercial potential are usually patented by NASA. These inventions cover practically all fields of technology and include many that have useful and valuable commercial application.

NASA inventions best serve the interests of the United States when their benefits are available to the public. In many instances, the granting of nonexclusive or exclusive licenses for the practice of these inventions may assist in the accomplishment of this objective. This bibliography is published as a service to companies, firms, and individuals seeking new, licensable products for the commercial market.

The *NASA Patent Abstracts Bibliography (NASA PAB)* is a semiannual NASA publication containing comprehensive abstracts and indexes of NASA-owned inventions covered by U.S. patents and applications for patent. The citations included in *NASA PAB* were originally published in NASA's *Scientific and Technical Aerospace Reports (STAR)* and cover *STAR* announcements made since May 1969.

For the convenience of the user, each issue of *NASA PAB* has a separately bound Abstract Section (Section 1) and Index Section (Section 2). Although each Abstract Section covers only the indicated six-month period, the Index Section is cumulative covering all NASA-owned inventions announced in *STAR* since 1969. Thus a complete set of *NASA PAB* would consist of the Abstract Sections of Issue 04 (January 1974) and Issue 12 (January 1978) and the Abstract Section for all subsequent issues and the Index Section for the most recent issue.

The 167 citations published in this issue of the Abstract Section cover the period July 1983 through December 1983. The Index Section references over 4300 citations covering the period May 1969 through December 1983.

ABSTRACT SECTION (SECTION 1)

This *PAB* issue incorporates the 1975 *STAR* category revisions which include 10 major subdivisions divided into 74 specific categories and one general category/division. (See Table of Contents for the scope note of each category under which are grouped appropriate NASA inventions.) This new scheme was devised in lieu of the 34 category divisions which were utilized in *PAB* supplements (01) through (06) covering *STAR* abstracts from May 1969 through January 1974. Each entry in the Abstract Section consists of a *STAR* citation accompanied by an abstract and a key illustration taken from the patent or application for patent drawing. Entries are arranged in subject category in order of the ascending NASA Accession Number originally assigned in *STAR* to the invention. The range of NASA Accession Numbers within each issue is printed on the inside front cover.

Abstract Citation Data Elements: Each of the abstract citations has several data elements useful for identification and indexing purposes, as follows:

- NASA Accession Number
- NASA Case Number
- Inventor's Name
- Title of Invention
- U.S. Patent Application Serial Number
- U.S. Patent Number (for issued patents only)
- U.S. Patent Office Classification Number(s)
(for issued patents only)

These data elements in the citation of the abstract are depicted in the Typical Citation and Abstract reproduced on the following page and are also used in the indexes.

TYPICAL CITATION AND ABSTRACT

NASA SPONSORED DOCUMENT → **AVAILABLE ON MICROFICHE**

NASA ACCESSION NUMBER → **N83-18025*** # National Aeronautics and Space Administration Langley Research Center, Hampton, Va. → **SOURCE**

TITLE → **CHALCOGENOPHOSPHATE PHOTOELECTRODES Patent Application**

INVENTOR → Benjamin Reichman (Christopher Newport Coll.) and Charles E. Byvik, inventors (to NASA) Filed 7 Oct 1982 14 p

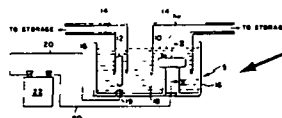
NASA CASE NUMBER → (NASA-Case-LAR-12958-1; US-Patent-Appl-SN-433196) → **US PATENT APPLICATIONS SERIAL NUMBER**

ABSTRACT → NTIS HC A02/MF A01 CSCL 10A → **AVAILABILITY**

→ **COSATI CODE**

A device for converting light energy into other forms of useful energy such as electrical or chemical energy is described. A photoelectrode is manufactured from a layered chalcogenophosphate (MPX₃) compound employed in a photoelectrochemical cell where M is selected from the group consisting of the transition metal series of elements beginning with scandium (atomic number 21) through germanium (atomic number 32), yttrium (atomic number 39) through antimony (atomic number 51), and lanthanum (atomic number 57) through polonium (atomic number 84); P is phosphorus; and X is selected from the chalcogenide series consisting of sulfur, selenium, and tellurium. The photoelectrochemical cell is comprised of a container which retains an acidic electrolyte solution, an MPX₃ photoelectrode, and a counterelectrode. In the preferred embodiment, the photoelectrochemical cell is set up as a photoelectrolysis cell.

NASA



INDEX SECTION (SECTION 2)

The Index Section is divided into five indexes which are cross-indexed and are useful in locating a single invention or groups of inventions.

Each of the five indexes utilizes basic data elements: (1) Subject Category Number, (2) NASA Accession Number, and (3) NASA Case Number, in addition to other specific index terms.

Subject Index: Lists all inventions according to appropriate alphabetized technical term and indicates the related NASA Case Number, the Subject Category Number, and the NASA Accession Number.

Inventor Index: Lists all inventions according to alphabetized names of inventors and indicates the related NASA Case Number, the Subject Category Number, and the NASA Accession Number.

Source Index: Lists all inventions according to alphabetized source of invention (i.e., name of contractor or government installation where invention was made) and indicates the related NASA Case Number, the Subject Category Number, and the NASA Accession Number.

Number Index: Lists inventions in order of ascending (1) NASA Case Number, (2) U.S. Patent Application Serial Number, (3) U.S. Patent Classification Number, and (4) U.S. Patent Number and indicates the related Subject Category Number and the NASA Accession Number.

Accession Number Index: Lists all inventions in order of ascending NASA Accession Number and indicates the related Subject Category Number.

HOW TO USE THIS PUBLICATION TO IDENTIFY NASA INVENTIONS

To identify one or more NASA inventions within a specific technical field or subject, several techniques are possible when using the flexibility incorporated into the *NASA PAB*.

(1) *Using Subject Category:* To identify all NASA inventions in any one of the subject categories in this issue of *NASA PAB*, select the desired Subject Category in the Abstract Section (Section 1) and find the inventions abstracted thereunder.

(2) *Using Subject Index:* To identify all NASA inventions listed under a desired technical subject index term, (A) turn to the cumulative Subject Index in the Index Section and find the invention(s) listed under the desired technical subject term. (B) Note the indicated Accession Number and the Subject Category Number. (C) Using the indicated Accession Number, turn to the inside front cover of the Index Section to determine which issue of the Abstract Section includes the Accession Number desired. (D) To find the abstract of the particular invention in the issue of the Abstract Section selected, (i) use the Subject Category Number to locate the Subject Category and (ii) use the Accession Number to locate the desired invention within the Subject Category listing.

(3) *Using Patent Classification Index:* To identify all inventions covered by issued NASA patents (does not include applications for patent) within a desired Patent Classification, (A) turn to the Patent Classification Number in the Number Index of Section 2 and find the associated invention(s), and (B) follow the instructions outlined in (2)(B), and (D) above.

PUBLIC AVAILABILITY OF COPIES OF PATENTS AND PATENT APPLICATIONS

Copies of U.S. patents may be purchased directly from the U.S. Patent and Trademark Office, Washington, D.C. 20231, for fifty cents a copy. When ordering patents, the U.S. Patent Number should be used, and payment must be remitted in advance, preferably by money order or check payable to the Commissioner of Patents and Trademarks. Prepaid purchase coupons for ordering are also available from the Patent and Trademark Office.

NASA patent application specifications are sold in paper copy by the National Technical Information Service at price code A02 (\$7.00 domestic; \$14.00 foreign). Microfiche are sold at price code A01 (\$4.50 domestic; \$9.00 foreign). The US-Patent-Appl-SN-number should be used in ordering either paper copy or microfiche from NTIS.

LICENSES FOR COMMERCIAL USE: INQUIRIES AND APPLICATIONS FOR LICENSE

NASA inventions, abstracted in *NASA PAB*, are available for nonexclusive or exclusive licensing in accordance with the NASA Patent Licensing Regulations. It is significant that all licenses for NASA inventions shall be by express written instruments and that no license will be granted or implied in a NASA invention except as provided in the NASA Patent Licensing Regulations.

Inquiries concerning the NASA Patent Licensing Program or the availability of licenses for the commercial use of NASA-owned inventions covered by U.S. patents or pending applications for patent should be forwarded to the NASA Patent Counsel of the NASA installation having cognizance of the specific invention, or the Assistant General Counsel for Patent Matters, Code GP-4, National Aeronautics and Space Administration, Washington, D.C. 20546. Inquiries should refer to the NASA Case Number, the Title of the Invention, and the U.S. Patent Number or the U.S. Application Serial Number assigned to the invention as shown in *NASA PAB*.

The NASA Patent Counsel having cognizance of the invention is determined by the first three letters or prefix of the NASA Case Number assigned to the invention. The addresses of NASA Patent Counsels are listed alongside the NASA Case Number prefix letters in the following table. Formal application of license must be submitted on the NASA Form, Application for NASA Patent License, which is available upon request from any NASA Patent Counsel.

**NASA Case
Number
Prefix Letters**

**Address of Cognizant
NASA Patent Counsel**

ARC-xxxxx
XAR-xxxxx

Ames Research Center
Mail Code. 200-11A
Moffett Field, California 94035
Telephone: (415)965-5104

ERC-xxxxx
XER-xxxxx
HQN-xxxxx
XHQ-xxxxx

NASA Headquarters
Mail Code: GP-4
Washington, D.C. 20546
Telephone. (202)755-3954

GSC-xxxxx
XGS-xxxxx

Goddard Space Flight Center
Mail Code: 204
Greenbelt, Maryland 20771
Telephone. (301)344-7351

KSC-xxxxx
XKS-xxxxx

John F. Kennedy Space Center
Mail Code: PT-PAT
Kennedy Space Center, Florida 32899
Telephone. (305)867-2544

LAR-xxxxx
XLA-xxxxx

Langley Research Center
Mail Code: 279
Hampton, Virginia 23365
Telephone. (804)827-8725

LEW-xxxxx
XLE-xxxxx

Lewis Research Center
Mail Code: 500-318
21000 Brookpark Road
Cleveland, Ohio 44135
Telephone: (216)433-6346

MSC-xxxxx
XMS-xxxxx

Lyndon B. Johnson Space Center
Mail Code. AL3
Houston, Texas 77058
Telephone. (713)483-4871

MFS-xxxxx
XMF-xxxxx

George C. Marshall Space Flight Center
Mail Code: CC01
Huntsville, Alabama 35812
Telephone: (205)453-0020

NPO-xxxxx
XNP-xxxxx
FRC-xxxxx
XFR-xxxxx
WOO-xxxxx

NASA Resident Legal Office
Mail Code: 180-801
4800 Oak Grove Drive
Pasadena, California 91103
Telephone: (213)354-2700

PATENT LICENSING REGULATIONS

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

14 CFR Part 1245

Licensing of NASA Inventions

AGENCY: National Aeronautics and Space Administration

ACTION: Interim regulation with comments requested

SUMMARY: The National Aeronautics and Space Administration (NASA) is revising its patent licensing regulations to conform with Pub. L. 96-517. This interim regulation provides policies and procedures applicable to the licensing of federally owned inventions in the custody of the National Aeronautics and Space Administration, and implements Pub. L. 96-517. The object of this subpart is to use the patent system to promote the utilization of inventions arising from NASA supported research and development.

EFFECTIVE DATE: July 1, 1981. Comments must be received in writing by December 2, 1981. Unless a notice is published in the *Federal Register* after the comment period indicating changes to be made, this interim regulation shall become a final regulation.

ADDRESS: Mr. John G. Mannix, Director of Patent Licensing, GP-4, NASA, Washington, D.C. 20546.

FOR FURTHER INFORMATION CONTACT: Mr. John G. Mannix, (202) 755-3954.

SUPPLEMENTARY INFORMATION:

PART 1245—PATENTS AND OTHER INTELLECTUAL PROPERTY RIGHTS

Subpart 2 of Part 1245 is revised to read as follows:

Subpart 2—Licensing of NASA Inventions

- Sec.
- | | |
|----------|-----------------------------|
| 1245.200 | Scope of subpart |
| 1245.201 | Policy and objective |
| 1245.202 | Definitions |
| 1245.203 | Authority to grant licenses |

Restrictions and Conditions

- | | |
|----------|---|
| 1245.204 | All licenses granted under this subpart |
|----------|---|

Types of Licenses

- | | |
|----------|--|
| 1245.205 | Nonexclusive licenses |
| 1245.206 | Exclusive and partially exclusive licenses |

Procedures

- | | |
|----------|---|
| 1245.207 | Application for a license |
| 1245.208 | Processing applications |
| 1245.209 | Notice to Attorney General |
| 1245.210 | Modification and termination of licenses |
| 1245.211 | Appeals |
| 1245.212 | Protection and administration of inventions |

- | | |
|----------|--------------------------------|
| 1245.213 | Transfer of custody |
| 1245.214 | Confidentiality of information |
- Authority: 35 U.S.C. Section 207 and 208, 94 Stat. 3023 and 3024.

Subpart 2—Licensing of NASA Inventions

§ 1245.200 Scope of subpart

This subpart prescribes the terms, conditions, and procedures upon which a NASA invention may be licensed. It does not affect licenses which (a) were in effect prior to July 1, 1981, (b) may exist at the time of the Government's acquisition of title to the invention, including those resulting from the allocation of rights to inventions made under Government research and development contracts, (c) are the result of an authorized exchange of rights in the settlement of patent disputes, or (d) are otherwise authorized by law or treaty.

§ 1245.201 Policy and objective.

It is the policy and objective of this subpart to use the patent system to promote the utilization of inventions arising from NASA supported research and development.

§ 1245.202 Definitions.

(a) "Federally owned invention" means an invention, plant, or design which is covered by a patent or patent application in the United States, or a patent, patent application, plant variety protection, or other form of protection, in a foreign country, title to which has been assigned to or otherwise vested in the United States Government.

(b) "Federal agency" means an executive department, military department, Government corporation, or independent establishment, except the Tennessee Valley Authority, which has custody of a Federally owned invention.

(c) "NASA invention" means a Federally owned invention with respect to which NASA maintains custody and administration in whole or in part of the right, title, or interest in such invention on behalf of the United States Government.

(d) "Small business firm" means a small business concern as defined at section 2 of Pub. L. 85-536 (15 U.S.C. 632) and implementing regulations of the Administrator of the Small Business Administration. For the purpose of these regulations, the size standard for small business concerns involved in Government procurement, contained in 13 CFR 121.3-8, and in subcontracting, contained in 13 CFR 121.3-12, will be used.

(e) "Practical application" means to manufacture in the case of a composition or product, to practice in the case of a process or method, or to

operate in the case of a machine or system, and, in each case, under such conditions as to establish that the invention is being utilized and that its benefits are to the extent permitted by law or Government regulations available to the public on reasonable terms.

(f) "United States" means the United States of America, its territories and possessions, the District of Columbia, and the Commonwealth of Puerto Rico.

§ 1245.203 Authority to grant licenses.

NASA inventions shall be made available for licensing as deemed appropriate in the public interest. NASA may grant nonexclusive, partially exclusive, or exclusive licenses thereto under this subpart on inventions in its custody.

Restrictions and Conditions

§ 1245.204 All licenses granted under this subpart.

(a) *Restrictions.* (1) A license may be granted only if the applicant has supplied NASA with a satisfactory plan for development or marketing of the invention, or both, and with information about the applicant's capability to fulfill the plan.

(2) A license granting rights to use or sell under a NASA invention in the United States shall normally be granted only to a licensee who agrees that any products embodying the invention or produced through the use of the invention will be manufactured substantially in the United States.

(b) *Conditions.* Licenses shall contain such terms and conditions as NASA determines are appropriate for the protection of the interests of the Federal Government and the public and are not in conflict with law or this subpart. The following terms and conditions apply to any license.

(1) The duration of the license shall be for a period specified in the license agreement, unless sooner terminated in accordance with this subpart.

(2) The license may be granted for all or less than all fields of use of the invention or in specified geographical areas, or both.

(3) The license may extend to subsidiaries of the licensee or other parties if provided for in the license but shall be nonassignable without approval of NASA, except to the successor of that part of the licensee's business to which the invention pertains.

(4) The license may provide the licensee the right to grant sublicenses under the license, subject to the approval of NASA. Each sublicense shall make reference to the license, including the rights retained by the Government, and a copy of such

PATENT LICENSING REGULATIONS

sublicense shall be furnished to NASA.

(5) The license shall require the licensee to carry out the plan for development or marketing of the invention, or both, to bring the invention to practical application within a period specified in the license, and to continue to make the benefits of the invention reasonably accessible to the public.

(6) The license shall require the licensee to report periodically on the utilization or efforts at obtaining utilization that are being made by the licensee, with particular reference to the plan submitted.

(7) All licenses shall normally require royalties or other consideration.

(8) Where an agreement is obtained pursuant to § 1245.204(a)(2) that any products embodying the invention or produced through use of the invention will be manufactured substantially in the United States, the license shall recite such agreement.

(9) The license shall provide for the right of NASA to terminate the license, in whole or in part, if:

(i) NASA determines that the licensee is not executing the plan submitted with its request for a license and the licensee cannot otherwise demonstrate to the satisfaction of NASA that it has taken or can be expected to take within a reasonable time effective steps to achieve practical application of the invention;

(ii) NASA determines that such action is necessary to meet requirements for public use specified by Federal regulations issued after the date of the license and such requirements are not reasonably satisfied by the licensee;

(iii) The licensee has willfully made a false statement of or willfully omitted a material fact in the license application or in any report required by the license agreement, or

(iv) The licensee commits a substantial breach of a covenant or agreement contained in the license.

(10) The license may be modified or terminated, consistent with this subpart, upon mutual agreement of NASA and the licensee.

(11) Nothing relating to the grant of a license, nor the grant itself, shall be construed to confer upon any person any immunity from or defenses under the antitrust laws or from a charge of patent misuse, and the acquisition and use of rights pursuant to this subpart shall not be immunized from the operation of state or Federal law by reason of the source of the grant.

Types of Licenses

§ 1245.205 Nonexclusive licenses.

(a) *Availability of licenses.* Nonexclusive licenses may be granted under NASA inventions without publication of availability or notice of a prospective license.

(b) *Conditions.* In addition to the provisions of § 1245.204, the nonexclusive license may also provide that, after termination of a period specified in the license agreement, NASA may restrict the license to the fields of use or geographic areas, or both, in which the licensee has brought the invention to practical application and continues to make the benefits of the invention reasonably accessible to the public. However, such restriction shall be made only in order to grant an exclusive or partially exclusive license in accordance with this subpart.

§ 1245.206 Exclusive and partially exclusive licenses.

(a) *Domestic licenses.*

(1) *Availability of licenses.* Exclusive or partially exclusive licenses may be granted on NASA inventions: (i) 3 months after notice of the invention's availability has been announced in the *Federal Register*; or (ii) without such notice where NASA determines that expeditious granting of such a license will best serve the interests of the Federal Government and the public; and (iii) in either situation, specified in (a)(1)(i) or (ii) of this section only if:

(A) Notice of a prospective license, identifying the invention and the prospective licensee, has been published in the *Federal Register*, providing opportunity for filing written objections within a 60-day period;

(B) After expiration of the period in § 1245.206(a)(1)(iii)(A) and consideration of any written objections received during the period, NASA has determined that:

(1) The interests of the Federal Government and the public will best be served by the proposed license, in view of the applicant's intentions, plans, and ability to bring the invention to practical application or otherwise promote the invention's utilization by the public;

(2) The desired practical application has not been achieved, or is not likely expeditiously to be achieved, under any nonexclusive license which has been granted, or which may be granted, on the invention;

(3) Exclusive or partially exclusive licensing is a reasonable and necessary incentive to call forth the investment of risk capital and expenditures to bring the invention to practical application or

otherwise promote the invention's utilization by the public; and

(4) The proposed terms and scope of exclusivity are not greater than reasonably necessary to provide the incentive for bringing the invention to practical application or otherwise promote the invention's utilization by the public;

(C) NASA has not determined that the grant of such license will tend substantially to lessen competition or result in undue concentration in any section of the country in any line of commerce to which the technology to be licensed relates, or to create or maintain other situations inconsistent with the antitrust laws; and

(D) NASA has given first preference to any small business firms submitting plans that are determined by the agency to be within the capabilities of the firms and as equally likely, if executed, to bring the invention to practical application as any plans submitted by applicants that are not small business firms.

(2) *Conditions.* In addition to the provisions of § 1245.204, the following terms and conditions apply to domestic exclusive and partially exclusive licenses:

(i) The license shall be subject to the irrevocable, royalty-free right of the Government of the United States to practice and have practiced the invention on behalf of the United States and on behalf of any foreign government or international organization pursuant to any existing or future treaty or agreement with the United States.

(ii) The license shall reserve to NASA the right to require the licensee to grant sublicenses to responsible applicants, on reasonable terms, when necessary to fulfill health or safety needs.

(iii) The license shall be subject to any licenses in force at the time of the grant of the exclusive or partially exclusive license.

(iv) The license may grant the licensee the right of enforcement of the licensed patent pursuant to the provisions of Chapter 29 of Title 35, United States Code, or other statutes, as determined appropriate in the public interest.

(b) *Foreign licenses.*

(1) *Availability of licenses.* Exclusive or partially exclusive licenses may be granted on a NASA invention covered by a foreign patent, patent application, or other form of protection, provided that:

(i) Notice of a prospective license, identifying the invention and prospective licensee, has been published in the *Federal Register*, providing opportunity for filing written objections

PATENT LICENSING REGULATIONS

within a 60-day period and following consideration of such objections;

(ii) NASA has considered whether the interests of the Federal Government or United States industry in foreign commerce will be enhanced; and

(iii) NASA has not determined that the grant of such license will tend substantially to lessen competition or result in undue concentration in any section of the United States in any line of commerce to which the technology to be licensed relates, or to create or maintain other situations inconsistent with antitrust laws.

(2) *Conditions.* In addition to the provisions of § 1245.204, the following terms and conditions apply to foreign exclusive and partially exclusive licenses:

(i) The license shall be subject to the irrevocable, royalty-free right of the Government of the United States to practice and have practiced the invention on behalf of the United States and on behalf of any foreign government or international organization pursuant to any existing or future treaty or agreement with the United States.

(ii) The license shall be subject to any licenses in force at the time of the grant of the exclusive or partially exclusive license.

(iii) The license may grant the licensee the right to take any suitable and necessary actions to protect the licensed property, on behalf of the Federal Government.

(c) *Record of determinations.* NASA shall maintain a record of determinations to grant exclusive or partially exclusive licenses.

Procedures

§ 1245.207 Application for a license.

An application for a license should be addressed to the Patent Counsel at the NASA installation having responsibility for the invention and shall normally include:

(a) Identification of the invention for which the license is desired, including the patent application serial number or patent number, title, and date, if known;

(b) Identification of the type of license for which the application is submitted;

(c) Name and address of the person, company, or organization applying for the license and the citizenship or place of incorporation of the applicant;

(d) Name, address, and telephone number of representative of applicant to whom correspondence should be sent;

(e) Nature and type of applicant's business, identifying products or services which the applicant has successfully commercialized, and

approximate number of applicant's employees;

(f) Source of information concerning the availability of a license on the invention;

(g) A statement indicating whether applicant is a small business firm as defined in § 1245.202(c);

(h) A detailed description of applicant's plan for development or marketing of the invention, or both, which should include:

(1) A statement of the time, nature and amount of anticipated investment of capital and other resources which applicant believes will be required to bring the invention to practical application;

(2) A statement as to applicant's capability and intention to fulfill the plan, including information regarding manufacturing, marketing, financial, and technical resources;

(3) A statement of the fields of use for which applicant intends to practice the invention; and

(4) A statement of the geographic areas in which applicant intends to manufacture any products embodying the invention and geographic areas where applicant intends to use or sell the invention, or both;

(i) Identification of licenses previously granted to applicant under Federally owned inventions;

(j) A statement containing applicant's best knowledge of the extent to which the invention is being practiced by private industry or Government, or both, or is otherwise available commercially; and

(k) Any other information which applicant believes will support a determination to grant the license to applicant.

§ 1245.208 Processing applications.

(a) Applications for licenses will be initially reviewed by the Patent Counsel of the NASA installation having responsibility for the invention. The Patent Counsel shall make a preliminary recommendation to the Director of Licensing, NASA Headquarters, whether to: (1) grant the license as requested, (2) grant the license with modification after negotiation with the licensee, or (3) deny the license. The Director of Licensing shall review the preliminary recommendation of the Patent Counsel and make a final recommendation to the NASA Assistant General Counsel for Patent Matters. Such review and final recommendation may include, and be based on, any additional information obtained from applicant and other sources that the Patent Counsel and the Director of Licensing deem relevant to

the license requested. The determination to grant or deny the license shall be made by the Assistant General Counsel for Patent Matters based on the final recommendation of the Director of Licensing.

(b) When notice of a prospective exclusive or partially exclusive license is published in the Federal Register in accordance with § 1245.206(a)(1)(iii)(A) or § 1245.206(b)(1)(i), any written objections received in response thereto will be considered by the Director of Licensing in making the final recommendation to the Assistant General Counsel for Patent Matters.

(c) If the requested license, including any negotiated modifications, is denied by the Assistant General Counsel for Patent Matters, the applicant may request reconsideration by filing a written request for reconsideration within 30 days after receiving notice of denial. This 30-day period may be extended for good cause.

(d) In addition to, or in lieu of requesting reconsideration, the applicant may also appeal the denial of the license in accordance with § 1245.211.

§ 1245.209 Notice to Attorney General.

A copy of the notice provided for in §§ 1245.206(a)(1)(iii)(A), and 1245.206(b)(1)(i) will be sent to the Attorney General.

§ 1245.210 Modification and termination of licenses.

Before modifying or terminating a license, other than by mutual agreement, NASA shall furnish the licensee and any sublicensee of record a written notice of intention to modify or terminate the license, and the licensee and any sublicensee shall be allowed 30 days after such notice to remedy any breach of the license or show cause why the license should not be modified or terminated.

§ 1245.211 Appeals.

(a) The following parties may appeal to the NASA Administrator or designee any decision or determination concerning the grant, denial, interpretation, modification, or termination of a license:

(1) A person whose application for a license has been denied;

(2) A licensee whose license has been modified or terminated, in whole or in part; or

(3) A person who timely filed a written objection in response to the notice required by §§ 1245.206(a)(1)(iii)(A) or

PATENT LICENSING REGULATIONS

1245.206(b)(1)(i) and who can demonstrate to the satisfaction of NASA that such person may be damaged by the Agency action.

(b) Written notice of appeal must be filed within 30 days (or such other time as may be authorized for good cause shown) after receiving notice of the adverse decision or determination; including, an adverse decision following the request for reconsideration under § 1245.208(c). The notice of appeal, along with all supporting documentation should be addressed to the Administrator, National Aeronautics and Space Administration, Washington, DC 20546. Should the appeal raise a genuine dispute over material facts, fact-finding will be conducted by the NASA Inventions and Contributions Board. The person filing the appeal shall be

afforded an opportunity to be heard and to offer evidence in support of the appeal. The Chairperson of the Inventions and Contributions Board shall prepare written findings of fact and transmit them to the Administrator or designee. The decision on the appeal shall be made by the NASA Administrator or designee. There is no further right of administrative appeal from the decision of the Administrator or designee.

§ 1245.212 Protection and administration of inventions.

NASA may take any suitable and necessary steps to protect and administer rights to NASA inventions, either directly or through contract.

§ 1245.213 Transfer of custody.

NASA having custody of certain Federally owned inventions may transfer custody and administration in whole or in part, to another Federal agency, of the right, title, or interest in any such invention.

§ 1245.214 Confidentiality of information.

Title 35, United States Code, section 209, provides that any plan submitted pursuant to § 1245.207(h) and any report required by § 1245.204(b)(6) may be treated by NASA as commercial and financial information obtained from a person and privileged and confidential and not subject to disclosure under section 552 of Title 5 of the United States Code.

James M. Beggs,
Administrator.

October 15, 1981.

[FR Doc 81-31609 Filed 10-30-81. 8:45 am]

BILLING CODE 7510-01-M

FOREIGN PATENT LICENSING REGULATIONS

Selected NASA inventions are also available for licensing in countries other than the United States in accordance with the NASA Foreign Patent Licensing Regulation (14 C.F.R. 1245.4), a copy of which is available from any NASA Patent Counsel. For abstracts of NASA-owned inventions available for licensing in countries other than the United States, see NASA SP-7038, "Significant NASA Inventions Available for Licensing in Countries Other Than the United States." A copy of this NASA publication is available from NASA Headquarters, Code GP-4, Washington, D.C., 20546

Subject Categories

(1969 – 1973)

01 Aerodynamics

Includes aerodynamics of bodies, combinations, internal flow in ducts and turbomachinery; wings, rotors, and control surfaces. For applications see: 02 Aircraft and 32 Space Vehicles. For related information see also: 12 Fluid Mechanics; and 33 Thermodynamics and Combustion.

02 Aircraft

Includes fixed-wing airplanes, helicopters, gliders, balloons, ornithopters, etc.; and specific types of complete aircraft (e.g., ground effect machines, STOL, and VTOL); flight tests; operating problems (e.g., sonic boom); safety and safety devices; economics; and stability and control. For basic research see: 01 Aerodynamics. For related information see also: 31 Space Vehicles, and 32 Structural Mechanics.

03 Auxiliary Systems

Includes fuel cells, energy conversion cells, and solar cells; auxiliary gas turbines; hydraulic, pneumatic and electrical systems; actuators; and inverters. For related information see also: 09 Electronic Equipment; 22 Nuclear Engineering, and 28 Propulsion Systems.

04 Biosciences

Includes aerospace medicine, exobiology, radiation effects on biological systems; physiological and psychological factors. For related information see also: 05 Biotechnology.

05 Biotechnology

Includes life support systems, human engineering; protective clothing and equipment; crew training and evaluation, and piloting. For related information see also: 04 Biosciences.

06 Chemistry

Includes chemical analysis and identification (e.g., spectroscopy). For applications see: 17 Materials, Metallic; 18 Materials, Nonmetallic; and 27 Propellants.

07 Communications

Includes communications equipment and techniques; noise; radio and communications blackout; modulation telemetry; tracking radar and optical observation; and wave propagation. For basic research see: 23 Physics, General; and 21 Navigation.

08 Computers

Includes computer operation and programming; and data processing. For applications, see specific categories. For related information see also: 19 Mathematics.

09 Electronic Equipment

Includes electronic test equipment and maintainability; component parts, e.g., electron tubes, tunnel diodes, transistors, integrated circuitry; microminiaturization. For basic research see: 10 Electronics. For related information see also: 07 Communications and 21 Navigation.

10 Electronics

Includes circuit theory; and feedback and control theory. For applications see: 09 Electronic Equipment. For related information see specific Physics categories.

11 Facilities, Research and Support

Includes airports; lunar and planetary bases including associated vehicles, ground support systems; related logistics, simulators, test facilities (e.g., rocket engine test stands, shock tubes, and wind tunnels); test ranges; and tracking stations.

12 Fluid Mechanics

Includes boundary-layer flow; compressible flow, gas dynamics; hydrodynamics; and turbulence. For related information see also: 01 Aerodynamics; and 33 Thermodynamics and Combustion.

13 Geophysics

Includes aeronomy, upper and lower atmosphere studies, oceanography; cartography, and geodesy. For related information see also: 20 Meteorology; 29 Space Radiation; and 30 Space Sciences.

14 Instrumentation and Photography

Includes design, installation, and testing of instrumentation systems; gyroscopes; measuring instruments and gages, recorders, transducers; aerial photography; and telescopes and cameras.

15 Machine Elements and Processes

Includes bearings, seals, pumps, and other mechanical equipment, lubrication, friction, and wear; manufacturing processes and quality control, reliability, drafting; and materials fabrication, handling, and inspection.

16 Masers

Includes applications of masers and lasers. For basic research see: 26 Physics, Solid-State.

17 Materials, Metallic

Includes cermets; corrosion, physical and mechanical properties of materials; metallurgy; and applications as structural materials. For basic research see: 06 Chemistry. For related information see also: 18 Materials, Nonmetallic; and 32 Structural Mechanics.

18 Materials, Nonmetallic

Includes corrosion; physical and mechanical properties of materials (e.g., plastics), and elastomers, hydraulic fluids, etc. For basic research see: 06 Chemistry. For related information see also: 17 Materials, Metallic; 27 Propellants; and 32 Structural Mechanics.

19 Mathematics

Includes calculation methods and theory; and numerical analysis. For applications see specific categories. For related information see also: 08 Computers.

20 Meteorology

Includes climatology; weather forecasting; and visibility studies. For related information see also: 13 Geophysics, and 30 Space Sciences

21 Navigation

Includes guidance; autopilots; star and planet tracking; inertial platforms; and air traffic control. For related information see also: 07 Communications

22 Nuclear Engineering

Includes nuclear reactors and nuclear heat sources used for propulsion and auxiliary power. For basic research see: 24 Physics, Atomic, Molecular, and Nuclear. For related information see also: 03 Auxiliary Systems; and 28 Propulsion Systems.

23 Physics, General

Includes acoustics, cryogenics, mechanics, and optics. For astrophysics see: 30 Space Sciences. For geophysics and related information see also: 13 Geophysics, 20 Meteorology, and 29 Space Radiation.

24 Physics, Atomic, Molecular, and Nuclear

Includes atomic, molecular and nuclear physics. For applications see: 22 Nuclear Engineering. For related information see also: 29 Space Radiation.

25 Physics, Plasma

Includes magnetohydrodynamics. For applications see: 28 Propulsion Systems.

26 Physics, Solid-State

Includes semiconductor theory; and superconductivity. For applications see: 16 Masers. For related information see also: 10 Electronics

27 Propellants

Includes fuels; igniters; and oxidizers. For basic research see: 06 Chemistry; and 33 Thermodynamics and Combustion. For related information see also: 28 Propulsion Systems.

28 Propulsion Systems

Includes air breathing, electric, liquid, solid, and magnetohydrodynamic propulsion. For nuclear propulsion see: 22 Nuclear Engineering. For basic research see: 23 Physics, General; and 33 Thermodynamics and Combustion. For applications see: 31 Space Vehicles. For related information see also: 27 Propellants

29 Space Radiation

Includes cosmic radiation; solar flares; solar radiation; and Van Allen radiation belts. For related information see also: 13 Geophysics, and 24 Physics, Atomic, Molecular, and Nuclear.

30 Space Sciences

Includes astronomy and astrophysics; cosmology; lunar and planetary flight and exploration; and theoretical analysis of orbits and trajectories. For related information see also: 11 Facilities, Research and Support; and 31 Space Vehicles.

31 Space Vehicles

Includes launch vehicles; manned space capsules; clustered and multistage rockets; satellites; sounding rockets and probes, and operating problems. For basic research see: 30 Space Sciences. For related information see also: 28 Propulsion Systems; and 32 Structural Mechanics.

32 Structural Mechanics

Includes structural element design and weight analysis; fatigue; thermal stress; impact phenomena; vibration; flutter; inflatable structures; and structural tests. For related information see also: 17 Materials, Metallic; and 18 Materials, Nonmetallic.

33 Thermodynamics and Combustion

Includes ablation, cooling, heating, heat transfer, thermal balance, and other thermal effects; and combustion theory. For related information see also: 12 Fluid Mechanics; and 27 Propellants.

34 General

Includes information of a broad nature related to industrial applications and technology, and to basic research; defense aspects; information retrieval; management; law and related legal matters; and legislative hearings and documents.

TABLE OF CONTENTS

Section 1 • Abstracts

Subject Categories (1974 -)

AERONAUTICS

Includes aeronautics (general), aerodynamics; air transportation and safety, aircraft communications and navigation, aircraft design, testing and performance, aircraft instrumentation, aircraft propulsion and power, aircraft stability and control, and research and support facilities (air)

For related information see also *Astronautics*.

01 AERONAUTICS (GENERAL)

02 AERODYNAMICS

Includes aerodynamics of bodies, combinations, wings, rotors, and control surfaces, and internal flow in ducts and turbomachinery

For related information see also *34 Fluid Mechanics and Heat Transfer*

03 AIR TRANSPORTATION AND SAFETY

Includes passenger and cargo air transport operations, and aircraft accidents

For related information see also *16 Space Transportation* and *85 Urban Technology and Transportation*

04 AIRCRAFT COMMUNICATIONS AND NAVIGATION

Includes digital and voice communication with aircraft, air navigation systems (satellite and ground based), and air traffic control

For related information see also *17 Spacecraft Communications, Command and Tracking* and *32 Communications*

05 AIRCRAFT DESIGN, TESTING AND PERFORMANCE

Includes aircraft simulation technology.

For related information see also *18 Spacecraft Design, Testing and Performance* and *39 Structural Mechanics*

06 AIRCRAFT INSTRUMENTATION

Includes cockpit and cabin display devices; and flight instruments

For related information see also *19 Spacecraft Instrumentation* and *35 Instrumentation and Photography*

07 AIRCRAFT PROPULSION AND POWER

Includes prime propulsion systems and systems components, e g , gas turbine engines and compressors, and on-board auxiliary power plants for aircraft.

For related information see also *20 Spacecraft Propulsion and Power*, *28 Propellants and Fuels*, and *44 Energy Production and Conversion*

08 AIRCRAFT STABILITY AND CONTROL

Includes aircraft handling qualities, piloting, flight controls, and autopilots

09 RESEARCH AND SUPPORT FACILITIES (AIR)

Includes airports, hangars and runways; aircraft repair and overhaul facilities; wind tunnels; shock tube facilities, and engine test blocks.

For related information see also *14 Ground Support Systems and Facilities (Space)*

ASTRONAUTICS

Includes astronautics (general), astrodynamics, ground support systems and facilities (space), launch vehicles and space vehicles, space transportation, spacecraft communications, command and tracking, spacecraft design, testing and performance, spacecraft instrumentation, and spacecraft propulsion and power

For related information see also *Aeronautics*

12 ASTRONAUTICS (GENERAL)

For extraterrestrial exploration see *91 Lunar and Planetary Exploration*

13 ASTRODYNAMICS

Includes powered and free-flight trajectories; and orbit and launching dynamics

14 GROUND SUPPORT SYSTEMS AND FACILITIES (SPACE)

Includes launch complexes, research and production facilities, ground support equipment, e g , mobile transporters; and simulators

For related information see also *09 Research and Support Facilities (Air)*

15 LAUNCH VEHICLES AND SPACE VEHICLES

Includes boosters, manned orbital laboratories, reusable vehicles, and space stations.

16 SPACE TRANSPORTATION

Includes passenger and cargo space transportation, e g , shuttle operations; and rescue techniques

For related information see also *03 Air Transportation and Safety* and *85 Urban Technology and Transportation*

17 SPACECRAFT COMMUNICATION, COMMAND AND TRACKING

Includes telemetry; space communications networks, astronavigation, and radio blackout

For related information see also *04 Aircraft Communications and Navigation* and *32 Communications*

18 SPACECRAFT DESIGN, TESTING AND PERFORMANCE

Includes spacecraft thermal and environmental control, and attitude control.

For life support systems see *54 Man/System Technology and Life Support* For related information see also *05 Aircraft Design, Testing and Performance* and *39 Structural Mechanics*

19 SPACECRAFT INSTRUMENTATION

For related information see also *06 Aircraft Instrumentation* and *35 Instrumentation and Photography*

20 SPACECRAFT PROPULSION AND POWER

Includes main propulsion systems and components, e g , rocket engines, and spacecraft auxiliary power sources.

For related information see also *07 Aircraft Propulsion and Power*, *28 Propellants and Fuels*, and *44 Energy Production and Conversion*

CHEMISTRY AND MATERIALS

Includes chemistry and materials (general); composite materials; inorganic and physical chemistry; metallic materials; nonmetallic materials; and propellants and fuels

23 CHEMISTRY AND MATERIALS (GENERAL)

Includes biochemistry and organic chemistry.

24 COMPOSITE MATERIALS

Includes laminates

25 INORGANIC AND PHYSICAL CHEMISTRY

Includes chemical analysis, e.g., chromatography, combustion theory, electrochemistry; and photochemistry

For related information see also 77 *Thermodynamics and Statistical Physics*

26 METALLIC MATERIALS

Includes physical, chemical, and mechanical properties of metals, e.g., corrosion; and metallurgy

27 NONMETALLIC MATERIALS

Includes physical, chemical, and mechanical properties of plastics, elastomers, lubricants, polymers, textiles, adhesives, and ceramic materials

28 PROPELLANTS AND FUELS

Includes rocket propellants, igniters, and oxidizers; storage and handling; and aircraft fuels

For related information see also 07 *Aircraft Propulsion and Power*, 20 *Spacecraft Propulsion and Power*, and 44 *Energy Production and Conversion*

ENGINEERING

Includes engineering (general); communications; electronics and electrical engineering; fluid mechanics and heat transfer, instrumentation and photography; lasers and masers; mechanical engineering, quality assurance and reliability, and structural mechanics

For related information see also *Physics*

31 ENGINEERING (GENERAL)

Includes vacuum technology; control engineering; display engineering, and cryogenics

32 COMMUNICATIONS

Includes land and global communications, communications theory; and optical communications

For related information see also 04 *Aircraft Communications and Navigation* and 17 *Spacecraft Communications, Command and Tracking*

33 ELECTRONICS AND ELECTRICAL ENGINEERING

Includes test equipment and maintainability, components, e.g., tunnel diodes and transistors; micro-miniaturization, and integrated circuitry

For related information see also 60 *Computer Operations and Hardware* and 76 *Solid-State Physics*

34 FLUID MECHANICS AND HEAT TRANSFER

Includes boundary layers; hydrodynamics; fluidics; mass transfer, and ablation cooling

For related information see also 02 *Aerodynamics* and 77 *Thermodynamics and Statistical Physics*

35 INSTRUMENTATION AND PHOTOGRAPHY

Includes remote sensors; measuring instruments and gages; detectors, cameras and photographic supplies; and holography

For aerial photography see 43 *Earth Resources* For related information see also 06 *Aircraft Instrumentation* and 19 *Spacecraft Instrumentation*

36 LASERS AND MASERS

Includes parametric amplifiers.

37 MECHANICAL ENGINEERING

Includes auxiliary systems (non-power), machine elements and processes, and mechanical equipment

38 QUALITY ASSURANCE AND RELIABILITY

Includes product sampling procedures and techniques; and quality control

39 STRUCTURAL MECHANICS

Includes structural element design and weight analysis, fatigue; and thermal stress

For applications see 05 *Aircraft Design, Testing and Performance* and 18 *Spacecraft Design, Testing and Performance*

GEOSCIENCES

Includes geosciences (general), earth resources, energy production and conversion; environment pollution; geophysics; meteorology and climatology, and oceanography

For related information see also *Space Sciences*

42 GEOSCIENCES (GENERAL)

43 EARTH RESOURCES

Includes remote sensing of earth resources by aircraft and spacecraft; photogrammetry; and aerial photography.

For instrumentation see 35 *Instrumentation and Photography*

44 ENERGY PRODUCTION AND CONVERSION

Includes specific energy conversion systems, e.g., fuel cells and batteries, global sources of energy; fossil fuels, geophysical conversion, hydroelectric power, and wind power

For related information see also 07 *Aircraft Propulsion and Power*, 20 *Spacecraft Propulsion and Power*, 28 *Propellants and Fuels*, and 85 *Urban Technology and Transportation*.

45 ENVIRONMENT POLLUTION

Includes air, noise, thermal and water pollution; environment monitoring; and contamination control

46 GEOPHYSICS

Includes aeronomy, upper and lower atmosphere studies; ionospheric and magnetospheric physics; and geomagnetism

For space radiation see 93 *Space Radiation*

47 METEOROLOGY AND CLIMATOLOGY

Includes weather forecasting and modification

48 OCEANOGRAPHY

Includes biological, dynamic and physical oceanography; and marine resources.

LIFE SCIENCES

Includes sciences (general), aerospace medicine; behavioral sciences; man/system technology and life support, and planetary biology

51 LIFE SCIENCES (GENERAL)

Includes genetics

52 AEROSPACE MEDICINE

Includes physiological factors, biological effects of radiation; and weightlessness

53 BEHAVIORAL SCIENCES

Includes psychological factors; individual and group behavior; crew training and evaluation; and psychiatric research

54 MAN/SYSTEM TECHNOLOGY AND LIFE SUPPORT

Includes human engineering; biotechnology; and space suits and protective clothing.

55 PLANETARY BIOLOGY

Includes exobiology; and extraterrestrial life.

MATHEMATICAL AND COMPUTER SCIENCES

Includes mathematical and computer sciences (general); computer operations and hardware; computer programming and software; computer systems; cybernetics; numerical analysis; statistics and probability, systems analysis; and theoretical mathematics.

59 MATHEMATICAL AND COMPUTER SCIENCES (GENERAL)

60 COMPUTER OPERATIONS AND HARDWARE

Includes computer graphics and data processing.
For components see *33 Electronics and Electrical Engineering*

61 COMPUTER PROGRAMMING AND SOFTWARE

Includes computer programs, routines, and algorithms.

62 COMPUTER SYSTEMS

Includes computer networks.

63 CYBERNETICS

Includes feedback and control theory.
For related information see also *54 Man/System Technology and Life Support*

64 NUMERICAL ANALYSIS

Includes iteration, difference equations, and numerical approximation.

65 STATISTICS AND PROBABILITY

Includes data sampling and smoothing; Monte Carlo method; and stochastic processes.

66 SYSTEMS ANALYSIS

Includes mathematical modeling; network analysis; and operations research

67 THEORETICAL MATHEMATICS

Includes topology and number theory.

PHYSICS

Includes physics (general); acoustics; atomic and molecular physics; nuclear and high-energy physics; optics, plasma physics; solid-state physics; and thermodynamics and statistical physics.

For related information see also *Engineering*

70 PHYSICS (GENERAL)

For geophysics see *46 Geophysics*. For astrophysics see *90 Astrophysics*. For solar physics see *92 Solar Physics*.

71 ACOUSTICS

Includes sound generation, transmission, and attenuation.

For noise pollution see *45 Environment Pollution*

72 ATOMIC AND MOLECULAR PHYSICS

Includes atomic structure and molecular spectra.

73 NUCLEAR AND HIGH-ENERGY PHYSICS

Includes elementary and nuclear particles; and reactor theory

For space radiation see *93 Space Radiation*.

74 OPTICS

Includes light phenomena.

75 PLASMA PHYSICS

Includes magnetohydrodynamics and plasma fusion.

For ionospheric plasmas see *46 Geophysics*. For space plasmas see *90 Astrophysics*.

76 SOLID-STATE PHYSICS

Includes superconductivity

For related information see also *33 Electronics and Electrical Engineering* and *36 Lasers and Masers*.

77 THERMODYNAMICS AND STATISTICAL PHYSICS

Includes quantum mechanics; and Bose and Fermi statistics.

For related information see also *25 Inorganic and Physical Chemistry* and *34 Fluid Mechanics and Heat Transfer*.

SOCIAL SCIENCES

Includes social sciences (general); administration and management; documentation and information science; economics and cost analysis; law and political science; and urban technology and transportation.

80 SOCIAL SCIENCES (GENERAL)

Includes educational matters.

81 ADMINISTRATION AND MANAGEMENT

Includes management planning and research.

82 DOCUMENTATION AND INFORMATION SCIENCE

Includes information storage and retrieval technology, micrography, and library science

For computer documentation see *61 Computer Programming and Software*

83 ECONOMICS AND COST ANALYSIS

Includes cost effectiveness studies.

84 LAW AND POLITICAL SCIENCE

Includes space law, international law, international cooperation, and patent policy

85 URBAN TECHNOLOGY AND TRANSPORTATION

Includes applications of space technology to urban problems, technology transfer, technology assessment, and surface and mass transportation.

For related information see *03 Air Transportation and Safety*, *16 Space Transportation*, and *44 Energy Production and Conversion*

SPACE SCIENCES

Includes space sciences (general), astronomy; astrophysics, lunar and planetary exploration; solar physics, and space radiation

For related information see also *Geosciences*

88 SPACE SCIENCES (GENERAL)

89 ASTRONOMY

Includes radio and gamma-ray astronomy, celestial mechanics; and astrometry

90 ASTROPHYSICS

Includes cosmology; and interstellar and interplanetary gases and dust.

91 LUNAR AND PLANETARY EXPLORATION

Includes planetology, and manned and unmanned flights

For spacecraft design see *18 Spacecraft Design, Testing and Performance* For space stations see *15 Launch Vehicles and Space Vehicles*

92 SOLAR PHYSICS

Includes solar activity, solar flares, solar radiation and sunspots

93 SPACE RADIATION

Includes cosmic radiation; and inner and outer earth's radiation belts

For biological effects of radiation see *52 Aerospace Medicine* For theory see *73 Nuclear and High-Energy Physics*

GENERAL

99 GENERAL

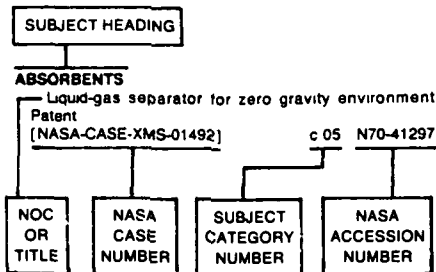
Section 2 • Indexes

SUBJECT INDEX	A-1
INVENTOR INDEX	B-1
SOURCE INDEX	C-1
CONTRACT NUMBER INDEX	D-1
NUMBER INDEX	E-1
ACCESSION NUMBER INDEX	F-1

NASA PATENT ABSTRACTS BIBLIOGRAPHY Section 2

JANUARY 1984

Typical Subject Index Listing



The subject heading is the key to the subject content of the document. A brief description of the document, e.g., title, title plus a title extension, or Notation of Content (NOC), is included for each subject entry to indicate the subject heading context, these descriptions are arranged under each subject heading in ascending accession number order. The NASA Case Number serves as the prime access number to the patent documents. The Subject Category Number indicates the category in Section 1 (Abstracts) in which the patent citation and abstract are located. The NASA accession number denotes the number by which the citation is identified within the subject category.

A

ABERRATION

High speed multi focal plane optical system
[NASA-CASE-GSC-12683-1] c 74 N82-24973

ABILITIES

Kinesimetric method and apparatus
[NASA-CASE-MSC-18929-1] c 54 N81-15699

ABLATION

Transpirationally cooled heat ablation system Patent
[NASA-CASE-XMS-02677] c 31 N70-42075

Hypersonic test facility Patent
[NASA-CASE-XLA-00378] c 11 N71-15925

Hypersonic test facility Patent
[NASA-CASE-XLA-05378] c 11 N71-21475

Ablation sensor Patent
[NASA-CASE-XLA-01794] c 33 N71-21586

Ablation sensor Patent
[NASA-CASE-XLA-01791] c 14 N71-22991

Ablative system
[NASA-CASE-LEW-10359] c 33 N72-25911

ABLATIVE MATERIALS

Method for making a heat insulating and ablative structure
[NASA-CASE-XMS-01108] c 15 N69-24322

Ablation sensor
[NASA-CASE-XLA-01781] c 14 N69-39975

Method for molding compounds Patent
[NASA-CASE-XLA-01091] c 15 N71-10672

Ablative resin Patent
[NASA-CASE-XLE-05913] c 33 N71-14032

Ablation structures Patent
[NASA-CASE-XMS-01816] c 33 N71-15623

Method and apparatus for making a heat insulating and ablative structure Patent
[NASA-CASE-XMS-02009] c 33 N71-20834

Thermal protection ablation spray system Patent
[NASA-CASE-XLA-04251] c 18 N71-26100

Stand-off type ablative heat shield
[NASA-CASE-MSC-12143-1] c 33 N72-17947

Ablative system
[NASA-CASE-LEW-10359] c 33 N72-25911

Ablative system
[NASA-CASE-LEW-10359-2] c 33 N73-25952

Ablation article and method
[NASA-CASE-LAR-10439-1] c 33 N73-27796

Dual measurement ablation sensor
[NASA-CASE-LAR-10105-1] c 34 N74-15652

Sprayable low density ablator and application process
[NASA-CASE-MFS-23506-1] c 24 N78-24290

Intumescent-ablator coatings using endothermic fillers
[NASA-CASE-ARC-11043-1] c 24 N78-27180

Cork-resin ablative insulation for complex surfaces and method for applying the same
[NASA-CASE-MFS-23626-1] c 24 N80-26388

Controlled overspray spray nozzle
[NASA-CASE-MFS-25139-1] c 34 N82-13376

Thermal protection system
[NASA-CASE-MSC-18796-1] c 24 N82-26389

ABORT APPARATUS
Coupling for linear shaped charge Patent
[NASA-CASE-XLA-00189] c 33 N70-36846

ABRASION
Composite seal for turbomachinery
[NASA-CASE-LEW-12131-3] c 37 N82-19540

ABRASION RESISTANCE
Potassium silicate zinc coatings
[NASA-CASE-GSC-10361-1] c 18 N72-23581

Process for producing a well-adhered durable optical coating on an optical plastic substrate --- abrasion resistant polymethyl methacrylate lenses
[NASA-CASE-ARC-11039-1] c 74 N78-32854

Sandblasting nozzle
[NASA-CASE-NPO-13823-1] c 37 N81-25371

Heat sealable, flame and abrasion resistant coated fabric --- clothing and containers for space exploration
[NASA-CASE-MSC-18382-1] c 27 N82-16238

Heat sealable, flame and abrasion resistant coated fabric
[NASA-CASE-MSC-18382-2] c 27 N82-24344

ABSORBENTS
Liquid-gas separator for zero gravity environment Patent
[NASA-CASE-XMS-01492] c 05 N70-41297

Fluid flow control valve Patent
[NASA-CASE-XLE-00703] c 15 N71-15967

Noncontaminating swabs
[NASA-CASE-MFS-18100] c 15 N72-11390

Protein sterilization method of firefly luciferase using reduced pressure and molecular sieves
[NASA-CASE-GSC-10225-1] c 06 N73-27086

Oil and fat absorbing polymers
[NASA-CASE-NPO-11609-2] c 27 N77-31308

Absorbent product and articles made therefrom
[NASA-CASE-MSC-18223-2] c 52 N82-26960

ABSORBERS (EQUIPMENT)
Variable response load limiting device --- for aircraft seats
[NASA-CASE-LAR-12801-1] c 37 N82-20544

Absorbent product to absorb fluids --- for collection of human wastes
[NASA-CASE-MSC-18223-1] c 24 N82-29362

ABSORBERS (MATERIALS)
Broadband choke for antenna structure
[NASA-CASE-XMS-05303] c 07 N69-27462

Analytical photoionization mass spectrometer with an argon gas filter between the light source and monochromator Patent
[NASA-CASE-LAR-10180-1] c 06 N71-13461

Filter system for control of outgas contamination in vacuum Patent
[NASA-CASE-MFS-14711] c 15 N71-26185

Constant temperature heat sink for calorimeters Patent
[NASA-CASE-XMF-04208] c 33 N71-29051

Aldehyde-containing urea-absorbing polysaccharides
[NASA-CASE-NPO-13620-1] c 27 N77-30236

Electromagnetic power absorber
[NASA-CASE-NPO-13830-1] c 32 N80-14281

ABSORPTION
Differential optoacoustic absorption detector
[NASA-CASE-NPO-13759-1] c 74 N78-17867

ABSORPTION CROSS SECTIONS

Penetrating radiation system for detecting the amount of liquid in a tank Patent
[NASA-CASE-MSC-12280] c 27 N71-16348

ABSORPTION SPECTRA

Stark effect spectrophone for continuous absorption spectra monitoring --- a technique for gas analysis
[NASA-CASE-NPO-15102-1] c 25 N81-25159

Spectrophone stabilized laser with line center offset frequency control
[NASA-CASE-NPO-15516-1] c 36 N82-26652

ABSORPTIVITY

Detector absorptivity measuring method and apparatus
[NASA-CASE-LAR-10907-1] c 35 N76-29551

AC GENERATORS

Signal generator
[NASA-CASE-XNP-05612] c 09 N69-21468

Superconducting alternator
[NASA-CASE-XLE-02824] c 03 N69-39890

Superconducting alternator Patent
[NASA-CASE-XLE-02823] c 09 N71-23443

ACCELERATION

Single grid accelerator for an ion thruster
[NASA-CASE-XLE-10453-2] c 28 N73-27699

ACCELERATION (PHYSICS)

Centrifuge mounted motion simulator Patent
[NASA-CASE-XAC-00399] c 11 N70-34815

Gravity device Patent
[NASA-CASE-XMF-00424] c 11 N70-38196

Artificial gravity spin deployment system Patent
[NASA-CASE-XNP-02595] c 31 N71-21881

Active vibration isolator for flexible bodies Patent
[NASA-CASE-LAR-10106-1] c 15 N71-27169

G-load measuring and indicator apparatus --- for aircraft
[NASA-CASE-ARC-10806] c 06 N74-27872

Apparatus for applying simulator g-forces to an arm of an aircraft simulator pilot
[NASA-CASE-LAR-10550-1] c 09 N74-30597

G-load measuring and indicator apparatus
[NASA-CASE-ARC-10806-1] c 35 N75-29381

Helmet weight simulator
[NASA-CASE-LAR-12320-1] c 54 N81-27806

ACCELERATION PROTECTION

Universal pilot restraint suit and body support therefor Patent
[NASA-CASE-XAC-00405] c 05 N70-41819

G conditioning suit Patent
[NASA-CASE-XLA-02898] c 05 N71-20268

Artificial gravity spin deployment system Patent
[NASA-CASE-XNP-02595] c 31 N71-21881

ACCELERATION TOLERANCE

Peak acceleration limiter for vibrational tester Patent
[NASA-CASE-NPO-10556] c 14 N71-27185

ACCELERATORS

Annular arc accelerator shock tube
[NASA-CASE-NPO-13528-1] c 09 N77-10071

Spring operated accelerator and constant force spring mechanism therefor
[NASA-CASE-ARC-10898-1] c 35 N77-18417

ACCELEROMETERS

Superconductive accelerometer Patent
[NASA-CASE-XMF-01099] c 14 N71-15969

Apparatus for controlling the velocity of an electromechanical drive for interferometers and the like Patent
[NASA-CASE-XGS-03532] c 14 N71-17627

Omnidirectional acceleration device Patent
[NASA-CASE-HON-10780] c 14 N71-30265

Angular velocity and acceleration measuring apparatus
[NASA-CASE-ERC-10292] c 14 N72-25410

Temperature compensated digital inertial sensor --- circuit for maintaining inertial element of gyroscope or accelerometer at constant position
[NASA-CASE-NPO-13044-1] c 35 N74-15094

Accelerometer telemetry system
[NASA-CASE-ARC-10849-1] c 17 N76-29347

ACCEPTABILITY

Cross correlation anomaly detection system
[NASA-CASE-NPO-13283] c 38 N78-17395

Temperature compensated digital inertial sensor --- circuit for maintaining inertial element of gyroscope or accelerometer at constant position
[NASA-CASE-NPO-13044-1] c 35 N74-15094

Accelerometer telemetry system
[NASA-CASE-ARC-10849-1] c 17 N76-29347

ACCEPTABILITY

Cross correlation anomaly detection system
[NASA-CASE-NPO-13283] c 38 N78-17395

ACCEPTOR MATERIALS

III-V photocathode with nitrogen doping for increased quantum efficiency
[NASA-CASE-NPO-12134-1] c 33 N76-31409

ACCIDENT PREVENTION

CAT altitude avoidance system
[NASA-CASE-NPO-15351-1] c 06 N83-10040

ACCUMULATORS

Direct radiation cooling of the collector of linear beam tubes
[NASA-CASE-XNP-09227] c 15 N69-24319

Small rocket engine Patent
[NASA-CASE-XLE-00685] c 28 N70-41992

Small plasma probe Patent
[NASA-CASE-XLE-02578] c 25 N71-20747

Electrostatic collector for charged particles
[NASA-CASE-LEW-11192-1] c 09 N73-13208

Accumulator
[NASA-CASE-MFS-12987-1] c 34 N77-30399

Method for fabricating solar cells having integrated collector grids
[NASA-CASE-LEW-12819-2] c 44 N79-18444

Urne collection device
[NASA-CASE-MSC-18433-1] c 52 N81-24711

Urne collection apparatus --- feminine hygiene
[NASA-CASE-MSC-18381-1] c 52 N81-28740

Sweat collection capsule
[NASA-CASE-ARC-11031-1] c 52 N81-29763

Multistage depressed collector for dual mode operation --- for microwave transmitting tubes
[NASA-CASE-LEW-13282-1] c 33 N82-24415

ACETALS

Synthesis of polymeric Schiff bases by reaction of acetals and amine compounds Patent
[NASA-CASE-XMF-08652] c 06 N71-11243

ACETATES

Thermoplastic rubber comprising ethylene-vinyl acetate copolymer, asphalt and fluxing oil
[NASA-CASE-NPO-08835-1] c 27 N78-33228

ACETYLENE

Dicyanoacetylene polymers Patent
[NASA-CASE-XNP-03250] c 06 N71-23500

Polyphenylquinoxalines containing pendant phenylethynyl and ethynyl groups --- for thermoplastic resins
[NASA-CASE-LAR-12838-1] c 27 N83-34040

ACOUSTIC ATTENUATION

Ultrasonic calibration device --- for producing changes in acoustic attenuation and phase velocity
[NASA-CASE-LAR-11435-1] c 35 N76-15432

ACOUSTIC DUCTS

Noise suppressor --- for turbofan engine by incorporating annular acoustically porous elements in exhaust and inlet ducts
[NASA-CASE-LAR-11141-1] c 07 N74-32418

ACOUSTIC IMPEDANCE

Method for detecting hydrogen gas
[NASA-CASE-XMF-03873] c 06 N69-39733

Acoustic ground impedance meter
[NASA-CASE-LAR-12995-1] c 71 N83-15044

ACOUSTIC LEVITATION

Method and apparatus for shaping and enhancing acoustical levitation forces
[NASA-CASE-MFS-25050-1] c 71 N81-15767

Acoustic suspension system
[NASA-CASE-NPO-15435-1] c 71 N81-27887

Acoustic rotation control
[NASA-CASE-NPO-15689-1] c 35 N82-24475

Acoustic levitation methods and apparatus
[NASA-CASE-NPO-15562-1] c 71 N82-27086

Contactless pellet fabrication --- targets for inertial confinement fusion
[NASA-CASE-NPO-15592-1] c 31 N83-17746

Production of ultrapure amorphous metals utilizing acoustic cooling
[NASA-CASE-NPO-15658-1] c 26 N83-19890

Sonic levitation apparatus
[NASA-CASE-MFS-25828-1] c 71 N83-26646

Acoustic system for material transport
[NASA-CASE-NPO-15453-1] c 71 N83-32515

System for controlled acoustic rotation of objects
[NASA-CASE-NPO-15522-1] c 71 N83-32516

Containerless high purity pulling process and apparatus for glass fibers
[NASA-CASE-MFS-25905-1] c 74 N83-35825

Acoustic suspension system
[NASA-CASE-NPO-15435-1] c 71 N83-36846

High temperature acoustic levitator
[NASA-CASE-NPO-16022-1] c 71 N83-36847

ACOUSTIC MEASUREMENT

Instrumentation for measuring aircraft noise and sonic boom
[NASA-CASE-LAR-11476-1] c 07 N76-27232

Differential sound level meter
[NASA-CASE-LAR-12106-1] c 71 N78-14867

Pseudo continuous wave instrument --- ultrasonics
[NASA-CASE-LAR-12260-1] c 35 N79-10390

System for monitoring physical characteristics of fluids
[NASA-CASE-NPO-15400-1] c 34 N83-31993

ACOUSTIC PROPAGATION

Material suspension within an acoustically excited resonant chamber --- at near weightless conditions
[NASA-CASE-NPO-13263-1] c 12 N75-24774

Resolution enhanced sound detecting apparatus
[NASA-CASE-NPO-14134-1] c 71 N79-23753

ACOUSTIC PROPERTIES

Wind tunnel microphone structure Patent
[NASA-CASE-XNP-00250] c 11 N71-28779

Acoustical transducer calibrating system and apparatus
[NASA-CASE-FRC-10060-1] c 14 N73-27379

Pseudo continuous wave instrument --- ultrasonics
[NASA-CASE-LAR-12260-1] c 35 N79-10390

ACOUSTIC HOLOGRAPHY

Hybrid holographic non-destructive test system
[NASA-CASE-MFS-23114-1] c 38 N78-32447

ACOUSTICS

Image readout device with electronically variable spatial resolution
[NASA-CASE-LAR-12633-1] c 33 N82-24416

ACOUSTO-OPTICS

Apparatus for testing wiring harness by vibration generating means
[NASA-CASE-MSC-15158-1] c 14 N72-17325

Method and apparatus for background signal reduction in opto-acoustic absorption measurement
[NASA-CASE-NPO-13683-1] c 35 N77-14411

Differential optoacoustic absorption detector
[NASA-CASE-NPO-13759-1] c 74 N78-17887

Stark cell optoacoustic detection of constituent gases in sample
[NASA-CASE-NPO-14143-1] c 25 N81-14015

Stark effect spectrophone for continuous absorption spectra monitoring --- a technique for gas analysis
[NASA-CASE-NPO-15102-1] c 25 N81-25159

Spectrophotometer stabilized laser with line center offset frequency control
[NASA-CASE-NPO-15516-1] c 36 N82-26652

Coherently pulsed laser source
[NASA-CASE-NPO-15111-1] c 36 N82-29589

ACRYLATES

Ablative resin Patent
[NASA-CASE-XLE-05913] c 33 N71-14032

ACRYLONITRILES

Method of carbonizing polyacrylonitrile fibers
[NASA-CASE-LAR-11261-1] c 24 N83-25789

ACTIVATED CARBON

Sewage sludge additive
[NASA-CASE-NPO-13877-1] c 45 N82-11634

ACTIVATION ENERGY

Heat activated cell Patent
[NASA-CASE-LEW-11359] c 03 N71-28579

Method of making emf cell
[NASA-CASE-LEW-11359-2] c 03 N72-20034

ACTIVE CONTROL

Linear magnetic bearings --- active magnetic suspension of armatures
[NASA-CASE-GSC-12582-1] c 37 N81-16469

ACTUATOR DISKS

Cryogenic gyroscope housing --- with annular disks for gas spin-up
[NASA-CASE-MFS-21138-1] c 35 N74-18323

ACTUATORS

Electromechanical actuator
[NASA-CASE-XNP-05975] c 15 N69-23185

Bi-metallic power controlled actuator
[NASA-CASE-XNP-09776] c 09 N69-39929

Gas actuated bolt disconnect Patent
[NASA-CASE-XLA-00326] c 03 N70-34667

Hermetically sealed explosive release mechanism Patent
[NASA-CASE-XGS-00824] c 15 N71-16078

Burst diaphragm flow initiator Patent
[NASA-CASE-MFS-12915] c 11 N71-17600

Controllers Patent
[NASA-CASE-XMS-07487] c 15 N71-23255

Mechanical actuator Patent
[NASA-CASE-XGS-04548] c 15 N71-24045

Radiator deployment actuator Patent
[NASA-CASE-MSC-11817-1] c 15 N71-26611

Electromechanical control actuator system Patent
[NASA-CASE-ERC-10022] c 15 N71-26635

Energy limiter for hydraulic actuators Patent
[NASA-CASE-ARC-10131-1] c 15 N71-27754

Telemetry actuated switch
[NASA-CASE-ARC-10105] c 09 N72-17153

Mechanically actuated triggered hand
[NASA-CASE-MFS-20413] c 15 N72-21463

Hermetically sealed elbow actuator
[NASA-CASE-MFS-14710] c 09 N72-22195

Ball screw linear actuator
[NASA-CASE-NPO-11222] c 15 N72-25456

Rotary actuator
[NASA-CASE-NPO-10244] c 15 N72-26371

Gas operated actuator
[NASA-CASE-NPO-11340] c 15 N72-33477

Redundant hydraulic control system for actuators
[NASA-CASE-MFS-20944] c 15 N73-13466

Electrolytic gas operated actuator
[NASA-CASE-NPO-11369] c 15 N73-13467

Manual actuator --- for spacecraft exercising machines
[NASA-CASE-MFS-21481-1] c 37 N74-18127

Optically actuated two position mechanical mover
[NASA-CASE-NPO-13105-1] c 37 N74-21060

Dual output variable pitch turbofan actuation system
[NASA-CASE-LEW-12419-1] c 07 N77-14025

Actuator device for artificial leg
[NASA-CASE-MFS-23225-1] c 52 N77-14735

Cyclical bi-directional rotary actuator
[NASA-CASE-GSC-11883-1] c 37 N77-19458

Actuator mechanism
[NASA-CASE-GSC-11883-2] c 37 N78-31426

Pressure limiting propellant actuating system
[NASA-CASE-MSC-18179-1] c 20 N80-18097

Phase-angle controller for Stirling engines
[NASA-CASE-NPO-14388-1] c 37 N81-17432

Electrical servo actuator bracket --- fuel control valves on jet engines
[NASA-CASE-FRC-11044-1] c 37 N81-33483

Slotted variable camber flap
[NASA-CASE-LAR-12541-1] c 05 N82-18203

Tubing and cable cutting tool
[NASA-CASE-LAR-12786-1] c 37 N82-20545

Hydraulic actuator mechanism to control aircraft spoiler movements through dual input commands
[NASA-CASE-LAR-12412-1] c 08 N82-24205

Solar powered actuator with continuously variable auxiliary power control
[NASA-CASE-MFS-25637-1] c 44 N82-26780

Thumb actuated two axis controller
[NASA-CASE-ARC-11372-1] c 08 N83-12098

Magnetically actuated compressor
[NASA-CASE-GSC-12799-1] c 37 N83-20153

Rotary stepping device with memory metal actuator
[NASA-CASE-NPO-15482-1] c 37 N83-36484

Memory metal actuator --- for use in electromechanical servocontrol systems
[NASA-CASE-NPO-15960-1] c 37 N83-36485

ADAPTERS

Image magnification adapter for cameras Patent
[NASA-CASE-XMF-03844-1] c 14 N71-26474

ADAPTIVE CONTROL

Self-testing and repairing computer Patent
[NASA-CASE-NPO-10567] c 08 N71-24633

Synchronous dc direct drive system Patent
[NASA-CASE-GSC-10065-1] c 10 N71-27136

Ergometer
[NASA-CASE-MFS-21109-1] c 05 N73-27941

Adaptive voting computer system
[NASA-CASE-MSC-13932-1] c 62 N74-14920

Adaptive polarization separation
[NASA-CASE-LAR-12196-1] c 33 N81-26358

Apparatus for damping operator induced oscillations of a controlled system --- flight control
[NASA-CASE-FRC-11041-1] c 33 N82-18493

Adaptive reference voltage generator for fining angle control of line-commutated inverters
[NASA-CASE-MFS-25215-1] c 33 N83-31953

Adaptive control system for line-commutated inverters
[NASA-CASE-MFS-25209-1] c 33 N83-35227

ADAPTIVE FILTERS

Adaptive tracking notch filter system Patent
[NASA-CASE-XMF-01892] c 10 N71-22986

Apparatus for damping operator induced oscillations of a controlled system --- flight control
[NASA-CASE-FRC-11041-1] c 33 N82-18493

ADAPTIVE OPTICS

Fluorescent radiation converter
[NASA-CASE-GSC-12528-1] c 74 N81-24900

ADDING CIRCUITS

Full binary adder Patent
[NASA-CASE-XGS-00689] c 08 N70-34787

Automatic fault correction system for parallel signal channels Patent
[NASA-CASE-XNP-03263] c 09 N71-18843

ADDITION RESINS

Tackifier for addition polyimides containing monoethylphthalate
[NASA-CASE-LAR-12642-1] c 27 N81-29229

ADDITIVES

Ammonium perchlorate composite propellant containing an organic transitional metal chelate catalytic additive Patent
[NASA-CASE-LAR-10173-1] c 27 N71-14090
Additive for zinc electrodes
[NASA-CASE-LEW-13286-1] c 44 N81-27597
Sewage sludge additive
[NASA-CASE-NPO-13877-1] c 45 N82-11634
Improved high temperature resistant polyimides
[NASA-CASE-LEW-13864-1] c 27 N83-17715
Toughening reinforced epoxy composites with brominated polymeric additives
[NASA-CASE-ARC-11427-1] c 24 N83-25791

ADDRESSING

Automatic multi-banking of memory for microprocessors
[NASA-CASE-NPO-15295-1] c 60 N82-11785

ADENOSINE TRIPHOSPHATE

Use of the enzyme hexokinase for the reduction of inherent light levels
[NASA-CASE-XGS-05533] c 04 N69-27487
Light detection instrument Patent
[NASA-CASE-XGS-05534] c 23 N71-16355
Lyophilized reaction mixtures Patent
[NASA-CASE-XGS-05532] c 06 N71-17705
Automatic instrument for chemical processing to detect microorganism in biological samples by measuring light reactions
[NASA-CASE-GSC-11169-2] c 05 N73-32011
Application of luciferase assay for ATP to antimicrobial drug susceptibility
[NASA-CASE-GSC-12039-1] c 51 N77-22794
Rapid, quantitative determination of bacteria in water — adenosine triphosphate
[NASA-CASE-GSC-12158-1] c 51 N83-27569

ADHESION

Stud-bonding gun
[NASA-CASE-MFS-20299] c 15 N72-11392
Improved refractory coatings — sputtered coatings on substrates that form stable nitrides
[NASA-CASE-LEW-23169-2] c 26 N81-16209
Refractory coatings
[NASA-CASE-LEW-13169-2] c 26 N82-30371

ADHESION TESTS

Apparatus for the determination of the existence or non-existence of a bonding between two members Patent
[NASA-CASE-MFS-13686] c 15 N71-18132
High performance filletting sealant
[NASA-CASE-ARC-11409-1] c 27 N82-32490

ADHESIVE BONDING

Solar cell mounting Patent
[NASA-CASE-XNP-00826] c 03 N71-20895
Honeycomb panel and method of making same Patent
[NASA-CASE-XMF-01402] c 18 N71-21651
Etching of aluminum for bonding Patent
[NASA-CASE-XMF-02303] c 17 N71-23828
Method and apparatus for attaching physiological monitoring electrodes Patent
[NASA-CASE-XFR-07658-1] c 05 N71-26293
Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
[NASA-CASE-GSC-11577-1] c 37 N75-15992
Weld-bonded titanium structures
[NASA-CASE-LAR-11549-1] c 37 N77-11397
Method of adhering bone to a rigid substrate using a graphite fiber reinforced bone cement
[NASA-CASE-NPO-13764-1] c 27 N78-17215
Thermal barrier coating system
[NASA-CASE-LEW-12554-1] c 34 N78-18355
Thermal insulation attaching means — adhesive bonding of felt vibration insulators under ceramic tiles
[NASA-CASE-MS-C-12619-2] c 27 N79-12221
Surface finishing
[NASA-CASE-MS-C-12631-3] c 27 N81-14077
Method of bonding plasticized elastomer to metal and articles produced thereby
[NASA-CASE-MFS-25181-1] c 27 N82-24340
Elastomer toughened polyimide adhesives
[NASA-CASE-LAR-12775-1] c 27 N83-29390
A solvent resistant, thermoplastic aromatic poly(midesulfone) and process for preparing same
[NASA-CASE-LAR-12858-2] c 27 N83-29391
Thermal barrier coating system having improved adhesion
[NASA-CASE-LEW-1335901] c 27 N83-31855

ADHESIVES

Polyimide adhesives
[NASA-CASE-LAR-11397-1] c 27 N75-29263
Polyimide adhesives
[NASA-CASE-LAR-12181-1] c 27 N78-17205

Crystalline polyimides — reinforcing fibers for high temperature composites and adhesives as well as flame retardation

[NASA-CASE-LAR-12099-1] c 27 N80-16158
Aluminum ion-containing polyimide adhesives
[NASA-CASE-LAR-12640-1] c 27 N82-11206
Thermal protection system
[NASA-CASE-MS-C-18796-1] c 24 N82-26389
Hot melt recharge system
[NASA-CASE-LAR-12881-1] c 27 N82-26464
Procedure for internally mounting strain gauges
[NASA-CASE-GSC-12824-1] c 35 N83-13424
Elastomer toughened polyimide adhesives
[NASA-CASE-LAR-12775-1] c 27 N83-28240
Hot melt adhesive attachment pad
[NASA-CASE-LAR-12894-1] c 27 N83-34044

ADJUSTING

Instrument support with precise lateral adjustment Patent
[NASA-CASE-XMF-00480] c 14 N70-39898
Fine adjustment mount
[NASA-CASE-MFS-20249] c 15 N72-11386
Adjustable support
[NASA-CASE-NPO-10721] c 15 N72-27484
Clock setter
[NASA-CASE-LAR-11458-1] c 35 N76-16392

AERIAL RUDDERS

Thrust augmented spin recovery device
[NASA-CASE-LAR-11970-2] c 08 N81-19130

AEROACOUSTICS

Acoustically swept rotor — helicopter noise reduction
[NASA-CASE-ARC-11106-1] c 05 N80-14107

AERODYNAMIC BALANCE

Apparatus for and method of compensating dynamic unbalance
[NASA-CASE-GSC-12550-1] c 37 N81-22358

AERODYNAMIC BRAKES

Annular supersonic decelerator or drogue Patent
[NASA-CASE-XLE-00222] c 02 N70-37939
Lightweight, variable solidity knitted parachute fabric — for aerodynamic decelerators
[NASA-CASE-LAR-10776-1] c 02 N74-10034

AERODYNAMIC CHARACTERISTICS

Variable sweep wing aircraft Patent
[NASA-CASE-XLA-00221] c 02 N70-33266
Flight craft Patent
[NASA-CASE-XAC-02058] c 02 N71-16087
Space shuttle vehicle and system
[NASA-CASE-MS-C-12433] c 31 N73-14854
Airfoil shape for flight at subsonic speeds — design analysis and aerodynamic characteristics of the GAW-1 airfoil
[NASA-CASE-LAR-10585-1] c 02 N76-22154
Curved centerline air intake for a gas turbine engine
[NASA-CASE-LEW-13201-1] c 07 N81-14999

AERODYNAMIC COEFFICIENTS

Leading edge flap system for aircraft control augmentation
[NASA-CASE-LAR-12787-1] c 05 N82-25240

AERODYNAMIC CONFIGURATIONS

Variable-span aircraft Patent
[NASA-CASE-XLA-00166] c 02 N70-34178
Landing arrangement for aerial vehicle Patent
[NASA-CASE-XLA-00806] c 02 N70-34858
Space capsule Patent
[NASA-CASE-XLA-00149] c 31 N70-37938
Hypersonic reentry vehicle Patent
[NASA-CASE-XMS-04142] c 31 N70-41631
Translating horizontal tail Patent
[NASA-CASE-XLA-08801-1] c 02 N71-11043
Variable geometry manned orbital vehicle Patent
[NASA-CASE-XLA-03691] c 31 N71-15674
Nacelle afterbody for jet engines Patent
[NASA-CASE-XLA-10450] c 28 N71-21493
Variable geometry rotor system
[NASA-CASE-LAR-10557] c 02 N72-11018
Ferry system
[NASA-CASE-LAR-10574-1] c 11 N73-13257
Multistage aerospace craft — perspective drawings of conceptual design
[NASA-CASE-XMF-02263] c 05 N74-10907
Supersonic fan blading — noise reduction in turbofan engines
[NASA-CASE-LEW-11402-1] c 07 N74-28226
Free wing assembly for an aircraft
[NASA-CASE-FRC-10092-1] c 05 N79-12061

AERODYNAMIC DRAG

Skin friction measuring device for aircraft
[NASA-CASE-FRC-11029-1] c 06 N81-17057

AERODYNAMIC HEATING

Heat protection apparatus Patent
[NASA-CASE-XLA-00892] c 33 N71-17897
Heat flux measuring system Patent
[NASA-CASE-XFR-03802] c 33 N71-23085
Stand-off type ablative heat shield
[NASA-CASE-MS-C-12143-1] c 33 N72-17947

AERODYNAMIC LOADS

Propeller blade loading control Patent
[NASA-CASE-XAC-00139] c 02 N70-34856
Means for controlling aerodynamically induced twist
[NASA-CASE-LAR-12175-1] c 05 N82-28279

AERODYNAMIC NOISE

Apparatus for reducing aerodynamic noise in a wind tunnel
[NASA-CASE-MFS-23099-1] c 09 N76-23273
Acoustically swept rotor — helicopter noise reduction
[NASA-CASE-ARC-11106-1] c 05 N80-14107
Curved centerline air intake for a gas turbine engine
[NASA-CASE-LEW-13201-1] c 07 N81-14999

AERODYNAMIC STABILITY

Meteorological balloon Patent
[NASA-CASE-XMF-04163] c 02 N71-23007
Instrument for measuring the dynamic behavior of liquids Patent
[NASA-CASE-XLA-05541] c 12 N71-26387
Emergency earth orbital escape device
[NASA-CASE-MS-C-13281] c 31 N72-18859
High lift aircraft — with improved stability, control, performance, and noise characteristics
[NASA-CASE-LAR-11252-1] c 05 N75-25914
Hingeless helicopter rotor with improved stability
[NASA-CASE-ARC-10807-1] c 05 N77-17029
Annular wing
[NASA-CASE-FRC-11007-2] c 05 N82-26277
Aeroelastic instability stoppers for wind tunnel models
[NASA-CASE-LAR-12720-1] c 44 N83-21504

AERODYNAMIC STALLING

Aerodynamic side-force alleviator means
[NASA-CASE-LAR-12326-1] c 02 N81-14968

AEROELASTICITY

Aeroelastic instability stoppers for wind tunnel models
[NASA-CASE-LAR-12458-1] c 44 N83-21503
Aeroelastic instability stoppers for wind tunnel models
[NASA-CASE-LAR-12720-1] c 44 N83-21504

AERONAUTICAL ENGINEERING

Differential pressure cell Patent
[NASA-CASE-XAC-00042] c 14 N70-34816

AEROSOLS

Liquid aerosol dispenser
[NASA-CASE-MFS-20829] c 12 N72-21310
Particulate and aerosol detector
[NASA-CASE-LAR-11434-1] c 35 N76-22509
Thermoluminescent aerosol analysis
[NASA-CASE-LAR-12046-1] c 25 N78-15210
Particle analyzing method and apparatus
[NASA-CASE-NPO-15292-1] c 35 N83-27184

AEROSPACE ENGINEERING

Solar cell including second surface mirrors Patent
[NASA-CASE-NPO-10109] c 03 N71-11049
Metallic film diffusion for boundary lubrication Patent
[NASA-CASE-XLE-10337] c 15 N71-24046
Soldering device Patent
[NASA-CASE-XLA-08911] c 15 N71-27214
Installing fiber insulation
[NASA-CASE-MS-C-16973-1] c 37 N81-14317

AEROSPACE ENVIRONMENTS

Electrostatic thruster with improved insulators Patent
[NASA-CASE-XLE-01902] c 28 N71-10574
Metallic film diffusion for boundary lubrication Patent
[NASA-CASE-XLE-01765] c 18 N71-10772
Inorganic solid film lubricants Patent
[NASA-CASE-XMF-03988] c 15 N71-21403
Particle detection apparatus including a ballistic pendulum Patent
[NASA-CASE-XMS-04201] c 14 N71-22990
Alloys for bearings Patent
[NASA-CASE-XLE-05033] c 15 N71-23810
Method and apparatus for varying thermal conductivity Patent
[NASA-CASE-XNP-05524] c 33 N71-24876
Space simulator Patent
[NASA-CASE-NPO-10141] c 11 N71-24964
Cyclic switch Patent
[NASA-CASE-LEW-10155-1] c 09 N71-29035
Automatic bioassay sampling
[NASA-CASE-MS-C-14640-1] c 54 N76-14804
Wobble gear drive mechanism — for aerospace environments
[NASA-CASE-WOO-00625] c 37 N78-17385
Plasma cleaning device — designed for high vacuum environments
[NASA-CASE-MFS-22908-1] c 75 N78-27913
Process for spinning flame retardant elastomeric compositions — fabricating synthetic fibers for high oxygen environments
[NASA-CASE-MS-C-14331-3] c 27 N78-32262
General purpose rocket furnace
[NASA-CASE-MFS-23460-1] c 12 N79-26075
Hot melt recharge system
[NASA-CASE-LAR-12881-1] c 27 N82-26464

AEROSPACE MEDICINE

- Instrument for use in performing a controlled Valsalva maneuver Patent
[NASA-CASE-XMS-01815] c 05 N70-41329
Cooling system for removing metabolic heat from an hermetically sealed spacesuit
[NASA-CASE-ARC-11059-1] c 54 N78-32721

AEROSPACE VEHICLES

- Landing arrangement for aerial vehicles Patent
[NASA-CASE-XLA-00142] c 02 N70-33286
Landing pad assembly for aerospace vehicles Patent
[NASA-CASE-XMF-02853] c 31 N70-36654
Landing arrangement for aerospace vehicle Patent
[NASA-CASE-XLA-00805] c 31 N70-38010
Flexibly connected support and skin Patent
[NASA-CASE-XLA-01027] c 31 N71-24035
Nondestructive spot test method for titanium and titanium alloys
[NASA-CASE-LAR-10539-1] c 17 N73-12547

AEROSPACEPLANES

- Multistage aerospace craft — perspective drawings of conceptual design
[NASA-CASE-XMF-02263] c 05 N74-10907

AFTERBODIES

- Nacelle afterbody for jet engines Patent
[NASA-CASE-XLA-10450] c 28 N71-21483
Missile rolling tail brake torque system — simulating bearing friction on canard controlled missiles
[NASA-CASE-LAR-12751-1] c 37 N82-26875

AFTERBURNING

- Nozzle Patent
[NASA-CASE-XLA-00154] c 28 N70-33374

AGGLOMERATION

- Acoustic agglomeration methods and apparatus
[NASA-CASE-NPO-15466-1] c 71 N82-27087

AGING (MATERIALS)

- Method of heat treating age-hardenable alloys
[NASA-CASE-XNP-01311] c 26 N75-29238

AGRICULTURE

- Solar-powered pump
[NASA-CASE-NPO-13567-1] c 44 N76-29701

AILERONS

- Control device Patent
[NASA-CASE-XAC-10019] c 15 N71-23809

AIR

- Gas purged dry box glove Patent
[NASA-CASE-XLE-02531] c 05 N71-23080
Superconductive magnetic-field-trapping device
[NASA-CASE-XNP-01185] c 26 N73-28710

AIR BREATHING ENGINES

- Multiple pure tone elimination strut assembly — air breathing engines
[NASA-CASE-FRC-11062-1] c 71 N82-16800

AIR CONDITIONING

- Apparatus for supplying conditioned air at a substantially constant temperature and humidity
[NASA-CASE-GSC-12191-1] c 31 N80-32583
Automotive absorption air conditioner utilizing solar and motor waste heat
[NASA-CASE-NPO-15183-1] c 44 N82-26776

AIR CONDITIONING EQUIPMENT

- Portable superclean air column device Patent
[NASA-CASE-XMF-03212] c 15 N71-22721
Air conditioning system and component therefore distributing air flow from opposite directions
[NASA-CASE-GSC-11445-1] c 31 N74-27902

AIR COOLING

- Modification and improvements to cooled blades Patent
[NASA-CASE-XLE-00092] c 15 N70-33264
Tip cap for a rotor blade
[NASA-CASE-LEW-13654-1] c 07 N83-14129
Air modulation apparatus — cooling gas turbine engines
[NASA-CASE-LEW-13524-1] c 34 N83-30957

AIR FILTERS

- Gas filter mounting structure
[NASA-CASE-MS-C-12297] c 14 N72-23457

AIR FLOW

- Wind tunnel airstream oscillating apparatus Patent
[NASA-CASE-XLA-00112] c 11 N70-33287
Method of obtaining permanent record of surface flow phenomena Patent
[NASA-CASE-XLA-01353] c 14 N70-41366
Gas turbine combustor Patent
[NASA-CASE-LEW-10286-1] c 28 N71-28915
Apparatus and method for generating large mass flow of high temperature air at hypersonic speeds
[NASA-CASE-LAR-10612-1] c 12 N73-28144
Air conditioning system and component therefore distributing air flow from opposite directions
[NASA-CASE-GSC-11445-1] c 31 N74-27902
Controlled separation combustor — airflow distribution in gas turbine engines
[NASA-CASE-LEW-11593-1] c 20 N76-14190

- Method and apparatus for fluffing, separating, and cleaning fibers
[NASA-CASE-LAR-11224-1] c 37 N76-18456

- Smoke generator
[NASA-CASE-ARC-10905-1] c 37 N77-13418
Variable cycle gas turbine engines
[NASA-CASE-LEW-12916-1] c 37 N78-17384
Gas turbine engine with recirculating bleed
[NASA-CASE-LEW-12452-1] c 07 N78-25089
Active clearance control system for a turbomachine
[NASA-CASE-LEW-12938-1] c 07 N82-32366
Miniature electro-optical air flow sensor
[NASA-CASE-LAR-13065-1] c 74 N83-25539

AIR INTAKES

- Aeroflexible structures
[NASA-CASE-XLA-06095] c 01 N69-39981
Reversed cowl flap inlet thrust augmentor — with adjustable airfoil
[NASA-CASE-ARC-10754-1] c 07 N75-24736
Self stabilizing sonic inlet
[NASA-CASE-LEW-11890-1] c 05 N79-24976
Curved centerline air intake for a gas turbine engine
[NASA-CASE-LEW-13201-1] c 07 N81-14999
Control means for a gas turbine engine
[NASA-CASE-LEW-14586-1] c 07 N83-31603

AIR JETS

- Apparatus and method for jet noise suppression
[NASA-CASE-LAR-11903-2] c 34 N82-20465

AIR LOCKS

- Spacecraft airlock Patent
[NASA-CASE-XLA-02050] c 31 N71-22968
Thruster maintenance system Patent
[NASA-CASE-MFS-20325] c 28 N71-27095
An airlock
[NASA-CASE-MFS-20922] c 31 N72-20840
Airlock
[NASA-CASE-MFS-20922-1] c 18 N74-22138
Apparatus for inserting and removing specimens from high temperature vacuum furnaces
[NASA-CASE-LAR-10841-1] c 31 N74-27900

AIR NAVIGATION

- Autonomous navigation system — gyroscopic pendulum for air navigation
[NASA-CASE-ARC-11257-1] c 04 N81-21047

AIR POLLUTION

- Analytical photoionization mass spectrometer with an argon gas filter between the light source and monochromator Patent
[NASA-CASE-LAR-10180-1] c 06 N71-13461
Separation nut Patent
[NASA-CASE-XGS-01971] c 15 N71-15922
Monitoring atmospheric pollutants with a heterodyne radiometer transmitter-receiver
[NASA-CASE-NPO-11819-1] c 35 N74-11284
Fluorescence detector for monitoring atmospheric pollutants
[NASA-CASE-NPO-13231-1] c 45 N75-27585
Stack plume visualization system
[NASA-CASE-LAR-11675-1] c 45 N76-17656
Indicator providing continuous indication of the presence of a specific pollutant in air
[NASA-CASE-NPO-13474-1] c 45 N76-21742
Method for detecting pollutants — through chemical reactions and heat treatment
[NASA-CASE-LAR-11405-1] c 45 N76-31714
Combustion engine — for air pollution control
[NASA-CASE-NPO-13671-1] c 37 N77-31497
Coal desulfurization process
[NASA-CASE-NPO-13937-1] c 44 N78-31527

AIR PURIFICATION

- High pressure gas filter system Patent
[NASA-CASE-MFS-12806] c 14 N71-17588
Portable superclean air column device Patent
[NASA-CASE-XMF-03212] c 15 N71-22721
Cell and method for electrolysis of water and anode
[NASA-CASE-MS-C-16394-1] c 28 N81-24280

AIR SAMPLING

- Aerodynamic measuring device Patent
[NASA-CASE-XLA-00481] c 14 N70-36824
Sampler of gas borne particles
[NASA-CASE-NPO-13396-1] c 35 N76-18401
Automated syringe sampler — remote sampling of air and water
[NASA-CASE-LAR-12308-1] c 35 N81-29407
Mobile sampler for use in acquiring samples of terrestrial atmospheric gases
[NASA-CASE-NPO-15220-1] c 45 N83-25217

AIR TRAFFIC CONTROL

- Traffic control system and method Patent
[NASA-CASE-GSC-10087-1] c 02 N71-19287
Satellite aided vehicle avoidance system Patent
[NASA-CASE-ERC-10090] c 21 N71-24948
Position location system and method
[NASA-CASE-GSC-10087-3] c 07 N72-12080

AIRBORNE EQUIPMENT

- Inflatable radar reflector unit Patent
[NASA-CASE-XMS-00893] c 07 N70-40063

AIRBORNE/SPACEBORNE COMPUTERS

- Ripple add and npple subtract binary counters Patent
[NASA-CASE-XGS-04766] c 08 N71-18602
Shared memory for a fault-tolerant computer
[NASA-CASE-NPO-13139-1] c 60 N76-21914

AIRCRAFT

- System for indicating direction of intruder aircraft
[NASA-CASE-ERC-10226-1] c 14 N73-16483
Thin conformal antenna array for microwave power conversions
[NASA-CASE-NPO-13888-1] c 32 N78-24391

AIRCRAFT ACCIDENTS

- Satellite aided vehicle avoidance system Patent
[NASA-CASE-ERC-10090] c 21 N71-24948

AIRCRAFT ANTENNAS

- Spiral slotted phased antenna array
[NASA-CASE-MS-C-18532-1] c 32 N82-27558

AIRCRAFT COMPARTMENTS

- Low density bismaleimide-carbon microballoon composites — aircraft and submarine compartment safety
[NASA-CASE-ARC-11040-2] c 24 N78-27184

AIRCRAFT CONFIGURATIONS

- Variable sweep wing configuration Patent
[NASA-CASE-XLA-00230] c 02 N70-33255
Television simulation for aircraft and space flight Patent
[NASA-CASE-XFR-03107] c 09 N71-19449
Dual-fuselage aircraft having yawable wing and horizontal stabilizer
[NASA-CASE-ARC-10470-1] c 02 N73-26005
Family of airfoil shapes for rotating blades — for increased power efficiency and blade stability
[NASA-CASE-LAR-12843-1] c 05 N82-33372

AIRCRAFT CONSTRUCTION MATERIALS

- Fuselage structure using advanced technology fiber reinforced composites
[NASA-CASE-LAR-11688-1] c 24 N82-26384
Fire blocking systems for aircraft seat cushions
[NASA-CASE-ARC-11423-1] c 03 N83-17525
Curved cap corrugated sheet
[NASA-CASE-LAR-12884-1] c 31 N83-29446

AIRCRAFT CONTROL

- Control for flexible parawing Patent
[NASA-CASE-XLA-06958] c 02 N71-11038
Attitude controls for VTOL aircraft Patent
[NASA-CASE-XAC-08972] c 02 N71-20570
Control device Patent
[NASA-CASE-XAC-10019] c 15 N71-23809
Direct lift control system Patent
[NASA-CASE-LAR-10249-1] c 02 N71-26110
High speed flight vehicle control Patent
[NASA-CASE-XLA-08967] c 02 N71-27088
Mechanically limited, electrically operated hydraulic valve system for aircraft controls Patent
[NASA-CASE-XAC-00048] c 02 N71-29128
Flight control system
[NASA-CASE-MS-C-13397-1] c 21 N72-25595
Aircraft control system
[NASA-CASE-ERC-10439] c 02 N73-19004
Display system
[NASA-CASE-ERC-10350] c 14 N73-20474
Suppression of flutter
[NASA-CASE-LAR-10682-1] c 02 N73-26004
Integrated lift/drag controller for aircraft
[NASA-CASE-ARC-10456-1] c 05 N75-12930
High lift aircraft — with improved stability, control, performance, and noise characteristics
[NASA-CASE-LAR-11252-1] c 05 N75-25914
Filtering technique based on high-frequency plant modeling for high-gain control
[NASA-CASE-LAR-12215-1] c 08 N79-23097
Velocity vector control system augmented with direct lift control
[NASA-CASE-LAR-12268-1] c 08 N81-24106
Pitch attitude stabilization system utilizing engine pressure ratio feedback signals
[NASA-CASE-LAR-12582-1] c 08 N81-26152
Leading edge flap system for aircraft control augmentation
[NASA-CASE-LAR-12787-1] c 05 N82-25240
Magnetic heading reference
[NASA-CASE-LAR-12638-1] c 04 N82-26260

AIRCRAFT DESIGN

- Supersonic aircraft Patent
[NASA-CASE-XLA-04451] c 02 N71-12243
Dual-fuselage aircraft having yawable wing and horizontal stabilizer
[NASA-CASE-ARC-10470-1] c 02 N73-26005
Multistage aerospace craft — perspective drawings of conceptual design
[NASA-CASE-XMF-02263] c 05 N74-10907

High lift aircraft — with improved stability, control, performance, and noise characteristics
[NASA-CASE-LAR-11252-1] c 05 N75-25914

Oblique-wing supersonic aircraft
[NASA-CASE-ARC-10470-3] c 05 N76-29217

Supersonic transport — using canard surfaces
[NASA-CASE-LAR-11932-1] c 05 N78-32088

Helicopter rotor airfoil
[NASA-CASE-LAR-12398-1] c 02 N79-24958

AIRCRAFT DETECTION

Altitude measuring system
[NASA-CASE-ERC-10412-1] c 09 N73-12211

Apparatus for measuring an aircraft's speed and height
[NASA-CASE-LAR-12275-1] c 35 N79-18296

AIRCRAFT ENGINES

Noise suppressor — for turbofan engine by incorporating annular acoustically porous elements in exhaust and inlet ducts
[NASA-CASE-LAR-11141-1] c 07 N74-32418

Dual cycle aircraft turbine engine
[NASA-CASE-LAR-11310-1] c 07 N77-28118

Portable device for use in starting air-start-units for aircraft and having cable lead testing capability
[NASA-CASE-FRC-10113-1] c 33 N80-26599

Aircraft engine nozzle
[NASA-CASE-ARC-10977-1] c 07 N80-32392

AIRCRAFT EQUIPMENT

Clear air turbulence detector
[NASA-CASE-ERC-10081] c 14 N72-28437

Air speed and altitude probe
[NASA-CASE-FRC-11009-1] c 06 N80-18038

Cooling system for high speed aircraft
[NASA-CASE-LAR-12406-1] c 05 N81-26114

System for providing an integrated display of instantaneous information relative to aircraft attitude, heading, altitude, and horizontal situation
[NASA-CASE-FRC-11005-1] c 06 N82-16075

AIRCRAFT FUEL SYSTEMS

Oil cooling system for a gas turbine engine
[NASA-CASE-LEW-12321-1] c 37 N78-10467

AIRCRAFT GUIDANCE

Terminal guidance system — for guiding aircraft into preselected altitude and/or heading at terminal point
[NASA-CASE-FRC-10049-1] c 04 N74-13420

Sun sensing guidance system for high altitude aircraft
[NASA-CASE-FRC-11052-1] c 04 N82-23231

AIRCRAFT HAZARDS

Inlet deflector for jet engines Patent
[NASA-CASE-XLE-00388] c 28 N70-34788

AIRCRAFT HYDRAULIC SYSTEMS

Gas turbine engine fuel control
[NASA-CASE-LEW-11187-1] c 28 N73-19793

Hydraulic actuator mechanism to control aircraft spoiler movements through dual input commands
[NASA-CASE-LAR-12412-1] c 08 N82-24205

AIRCRAFT INSTRUMENTS

Airplane take-off performance indicator Patent
[NASA-CASE-XLA-00100] c 14 N70-36807

Aerodynamic measuring device Patent
[NASA-CASE-XLA-00481] c 14 N70-36824

Aircraft instrument Patent
[NASA-CASE-XLA-00487] c 14 N70-40157

Optical projector system Patent
[NASA-CASE-XNP-03853] c 23 N71-21882

Combined optical attitude and altitude indicating instrument Patent
[NASA-CASE-XLA-01907] c 14 N71-23268

Head-up attitude display
[NASA-CASE-ERC-10392] c 21 N73-14892

G-load measuring and indicator apparatus
[NASA-CASE-ARC-10806-1] c 35 N75-29381

Magnetic heading reference
[NASA-CASE-LAR-11387-1] c 04 N76-20114

Aircraft-mounted crash-activated transmitter device
[NASA-CASE-MFS-16609-3] c 03 N78-32140

AIRCRAFT LANDING

Landing arrangement for aerial vehicle Patent
[NASA-CASE-XLA-00806] c 02 N70-34858

Magnetic position detection method and apparatus
[NASA-CASE-ARC-10179-1] c 21 N72-22619

Integrated lift/drag controller for aircraft
[NASA-CASE-ARC-10458-1] c 05 N75-12830

Vehicle simulator binocular multiplanar visual display system
[NASA-CASE-ARC-10808-1] c 09 N76-24280

Full color hybrid display for aircraft simulators — landing aids
[NASA-CASE-ARC-10903-1] c 09 N78-18083

Environmental fog/rain visual display system for aircraft simulators
[NASA-CASE-ARC-11158-1] c 09 N82-24212

AIRCRAFT LAUNCHING DEVICES

Rotating launch device for a remotely piloted aircraft
[NASA-CASE-ARC-10979-1] c 09 N77-19076

AIRCRAFT MANEUVERS

G-load measuring and indicator apparatus
[NASA-CASE-ARC-10806-1] c 35 N75-29381

Dual towline anti-spin device — for flight tests
[NASA-CASE-LAR-13076-1] c 05 N83-34934

AIRCRAFT MODELS

Test unit free-flight suspension system Patent
[NASA-CASE-XLA-00939] c 11 N71-15926

Variable geometry wind tunnels
[NASA-CASE-XLA-07430] c 11 N72-22248

Deploy/release system — model aircraft flight control
[NASA-CASE-LAR-11575-1] c 02 N76-16014

AIRCRAFT NOISE

Instrumentation for measuring aircraft noise and sonic boom
[NASA-CASE-LAR-11478-1] c 07 N76-27232

AIRCRAFT PERFORMANCE

Ferry system
[NASA-CASE-LAR-10574-1] c 11 N73-13257

AIRCRAFT PILOTS

Apparatus for applying simulator g-forces to an arm of an aircraft simulator pilot
[NASA-CASE-LAR-10550-1] c 09 N74-30597

AIRCRAFT SAFETY

Airplane take-off performance indicator Patent
[NASA-CASE-XLA-00100] c 14 N70-36807

Display research collision warning system
[NASA-CASE-HQN-10703] c 21 N73-13643

Deployable flexible ventral fins for use as an emergency spin recovery device in aircraft
[NASA-CASE-LAR-10753-1] c 08 N74-30421

Variable response load limiting device — for aircraft seats
[NASA-CASE-LAR-12801-1] c 37 N82-20544

Extended moment arm anti-spin device
[NASA-CASE-LAR-12979-1] c 02 N83-29173

AIRCRAFT SPIN

Extended moment arm anti-spin device
[NASA-CASE-LAR-12979-1] c 02 N83-29173

Dual towline anti-spin device — for flight tests
[NASA-CASE-LAR-13076-1] c 05 N83-34934

AIRCRAFT STABILITY

Mechanical stability augmentation system Patent
[NASA-CASE-XLA-06339] c 02 N71-13422

Suppression of flutter
[NASA-CASE-LAR-10682-1] c 02 N73-26004

AIRCRAFT STRUCTURES

Fatigue testing device Patent
[NASA-CASE-XLA-02131] c 32 N70-42003

Heat flux measuring system Patent
[NASA-CASE-XFR-03802] c 33 N71-23085

Three-axis adjustable loading structure
[NASA-CASE-FRC-10051-1] c 35 N74-13129

Transparent fire resistant polymeric structures
[NASA-CASE-ARC-10813-1] c 27 N76-18230

Wingtip vortex dissipator for aircraft
[NASA-CASE-LAR-11645-1] c 02 N77-10001

Aircraft canopy lock
[NASA-CASE-FRC-11065-1] c 05 N83-19737

AIRCRAFT TIRES

Improved tire/wheel concept — pneumatic aircraft tire
[NASA-CASE-LAR-11695-2] c 37 N80-18402

Tire/wheel concept
[NASA-CASE-LAR-11695-2] c 37 N81-24443

AIRCRAFT WAKES

System for use in conducting wake investigation for a wing in flight — differential pressure measurements for drag investigations
[NASA-CASE-FRC-11024-1] c 02 N80-28300

AIRFOIL PROFILES

Family of airfoil shapes for rotating blades — for increased power efficiency and blade stability
[NASA-CASE-LAR-12843-1] c 05 N82-33372

AIRFOILS

Minimum induced drag airfoil body Patent
[NASA-CASE-XLA-00755] c 01 N71-13410

Minimum induced drag airfoil body Patent
[NASA-CASE-XLA-05828] c 01 N71-13411

AIRFRAMES

Dual-fuselage aircraft having yawable wing and horizontal stabilizer
[NASA-CASE-ARC-10470-1] c 02 N73-26005

Cooling system for high speed aircraft
[NASA-CASE-LAR-12406-1] c 05 N81-26114

Explosively activated egress area
[NASA-CASE-LAR-12624-1] c 01 N83-35992

AIR SPEED

Landing arrangement for aerial vehicle Patent
[NASA-CASE-XLA-00806] c 02 N70-34858

Apparatus for measuring an aircraft's speed and height
[NASA-CASE-LAR-12275-1] c 35 N79-18296

Air speed and altitude probe
[NASA-CASE-FRC-11009-1] c 06 N80-18038

Miniature electro-optical air flow sensor
[NASA-CASE-LAR-13065-1] c 74 N83-25539

ALCOHOLS

Trifunctional alcohol
[NASA-CASE-NPO-10714] c 06 N69-31244

Laser coolant and ultraviolet filter
[NASA-CASE-MFS-20180] c 16 N72-12440

ALDEHYDES

Direct synthesis of polymeric Schiff bases from two amines and two aldehydes Patent
[NASA-CASE-XMF-08655] c 06 N71-11239

Azine polymers and process for preparing the same Patent
[NASA-CASE-XMF-08656] c 06 N71-11242

Aromatic diamine-aromatic dialdehyde high molecular weight Schiff base polymers prepared in a monofunctional Schiff base Patent
[NASA-CASE-XMF-03074] c 06 N71-24740

Nuclear alkylated pyridine aldehyde polymers and conductive compositions thereof
[NASA-CASE-NPO-10557] c 27 N78-17214

Polyvinyl alcohol cross-linked with two aldehydes
[NASA-CASE-LEW-13504-1] c 25 N83-13188

ALIGNMENT

Instrument support with precise lateral adjustment Patent
[NASA-CASE-XMF-00480] c 14 N70-39898

Portable alignment tool Patent
[NASA-CASE-XMF-01452] c 15 N70-41371

Optical alignment system Patent
[NASA-CASE-XNP-02029] c 14 N70-41955

Trigonometric vehicle guidance assembly which aligns the three perpendicular axes of two three-axes systems Patent
[NASA-CASE-XMF-00684] c 21 N71-21688

Aligning and positioning device Patent
[NASA-CASE-XMS-04178] c 15 N71-22798

Method and apparatus for aligning a laser beam projector Patent
[NASA-CASE-NPO-11087] c 23 N71-29125

Roll alignment detector
[NASA-CASE-GSC-10514-1] c 14 N72-20379

Zero gravity shadow shield aligner
[NASA-CASE-KSC-10822-1] c 31 N72-21893

Alignment apparatus using a laser having a gravitationally sensitive cavity reflector
[NASA-CASE-ARC-10444-1] c 16 N73-33397

Spacecraft docking and alignment system — using television camera system
[NASA-CASE-MSC-12559-1] c 18 N76-14186

Method of constructing dished ion thruster grids to provide hole array spacing compensation
[NASA-CASE-LEW-11878-1] c 20 N76-21276

Optical alignment device
[NASA-CASE-ARC-10932-1] c 74 N76-22993

Precision alignment apparatus for cutting a workpiece
[NASA-CASE-LAR-11858-1] c 37 N77-14478

Guide for a typewriter
[NASA-CASE-MFS-15218-1] c 37 N77-19457

Rotary target V-block — aligning wind tunnel apparatus for optical measurement
[NASA-CASE-LAR-12007-2] c 74 N79-25876

Rotary target V-block — wind tunnel apparatus
[NASA-CASE-LAR-12007-3] c 74 N83-25542

ALIPHATIC COMPOUNDS

The 1,1,1-triary-2,2,2-trifluoroethanes and process for their synthesis
[NASA-CASE-ARC-11097-1] c 25 N82-24312

ALKALI HALIDES

Fire extinguishant materials
[NASA-CASE-ARC-11252-1] c 25 N83-36118

ALKALI METALS

Alkali-metal silicate protective coating
[NASA-CASE-XGS-04119] c 18 N69-39979

Analytical test apparatus and method for determining oxide content of alkali metal Patent
[NASA-CASE-XLE-01997] c 06 N71-23527

Alkali metal silicate protective coating Patent
[NASA-CASE-XGS-04799] c 18 N71-24183

Heat activated cell with alkali anode and alkali salt electrolyte Patent
[NASA-CASE-LEW-11358] c 03 N71-26084

Preparation of alkali metal dispersions
[NASA-CASE-XNP-08878] c 17 N73-28573

Process for preparing higher oxides of the alkali and alkaline earth metals
[NASA-CASE-ARC-10992-1] c 26 N78-32229

Alkali-metal silicate binders and methods of manufacture
[NASA-CASE-GSC-12303-1] c 24 N79-31347

- Heat pipes containing alkali metal working fluid
[NASA-CASE-LEW-12253-1] c 74 N83-19596
- Fire extinguishant materials
[NASA-CASE-ARC-11252-1] c 25 N83-36118
- ALKALINE BATTERIES**
Method for determining the state of charge of batteries by the use of tracers Patent
[NASA-CASE-XNP-01484] c 03 N71-10728
- Electrochemical coulometer and method of forming same Patent
[NASA-CASE-XGS-05434] c 03 N71-20491
- Electrocatalyst for oxygen reduction
[NASA-CASE-HQN-10537-1] c 06 N72-10138
- Inorganic-organic separators for alkaline batteries
[NASA-CASE-LEW-12649-1] c 44 N78-25530
- Additive for zinc electrodes
[NASA-CASE-LEW-13286-1] c 44 N81-27597
- Polyvinyl alcohol battery separator containing inert filler — alkaline batteries
[NASA-CASE-LEW-13556-1] c 44 N81-27615
- Alkaline battery containing a separator of a cross-linked copolymer of vinyl alcohol and unsaturated carboxylic acid
[NASA-CASE-LEW-13102-1] c 44 N81-29531
- Process of treating cellulosic membrane and alkaline with membrane separator
[NASA-CASE-GSC-10019-1] c 44 N82-24641
- Separator for alkaline batteries and method of making same
[NASA-CASE-GSC-10350-1] c 44 N82-24642
- Separator for alkaline electric cells and method of making
[NASA-CASE-GSC-10017-1] c 44 N82-24643
- Separator for alkaline electric batteries and method of making
[NASA-CASE-GSC-10018-1] c 44 N82-24644
- Aqueous alkali metal hydroxide insoluble cellulose ether membrane
[NASA-CASE-XGS-05584-1] c 25 N82-29370
- Advanced inorganic separators for alkaline batteries
[NASA-CASE-LEW-13171-1] c 44 N82-29708
- Polyvinyl alcohol battery separator containing inert filler
[NASA-CASE-LEW-13556-2] c 44 N83-29805
- Advanced inorganic separators for alkaline batteries and method of making the same
[NASA-CASE-LEW-13171-2] c 44 N83-32176
- ALKALINE EARTH OXIDES**
Process for preparing higher oxides of the alkali and alkaline earth metals
[NASA-CASE-ARC-10992-1] c 26 N78-32229
- ALKYL COMPOUNDS**
Fluorohydroxy ethers
[NASA-CASE-MFS-10507] c 06 N73-30101
- Fluoroether modified epoxy composites
[NASA-CASE-ARC-11418-1] c 24 N83-17603
- ALKYNES**
High performance channel injection sealant invention abstract
[NASA-CASE-ARC-14408-1] c 27 N82-33523
- ALLOYS**
Brazing alloy Patent
[NASA-CASE-XNP-03063] c 17 N71-23365
- Alloys for bearings Patent
[NASA-CASE-XLE-05033] c 15 N71-23810
- Process for applying black coating to metals Patent
[NASA-CASE-XLA-06199] c 15 N71-24875
- Adjustable mount for a trihedral mirror Patent
[NASA-CASE-XNP-08907] c 23 N71-29123
- Enhanced diffusion welding
[NASA-CASE-LEW-11388-1] c 15 N73-32358
- Brazing alloy binder
[NASA-CASE-XMF-05868] c 26 N75-27125
- Brazing alloy
[NASA-CASE-XNP-03878] c 26 N75-27127
- ALPHA PARTICLES**
Method and means for helium/hydrogen ratio measurement by alpha scattering
[NASA-CASE-NPO-14079-1] c 25 N80-20334
- ALPHANUMERIC CHARACTERS**
X-Y alphanumeric character generator for oscilloscopes
[NASA-CASE-GSC-11582-1] c 33 N75-19517
- ALTERNATING CURRENT**
Ac power amplifier Patent Application
[NASA-CASE-LAR-10218-1] c 09 N70-34559
- Frequency control network for a current feedback oscillator Patent
[NASA-CASE-GSC-10041-1] c 10 N71-19418
- Blood pressure measuring system for separating and separately recording dc signal and an ac signal Patent
[NASA-CASE-XMS-06061] c 05 N71-23317
- Switching circuit Patent
[NASA-CASE-XNP-06505] c 10 N71-24799
- Pulse width inverter Patent
[NASA-CASE-MFS-10068] c 10 N71-25139
- Inverter with means for base current shaping for sweeping charge carriers from base region Patent
[NASA-CASE-XGS-06226] c 10 N71-25950
- A dc to ac to dc converter having transistor synchronous rectifiers
[NASA-CASE-GSC-11126-1] c 09 N72-25253
- Phase protection system for ac power lines
[NASA-CASE-MSC-17832-1] c 33 N74-14956
- Solar cell system having alternating current output
[NASA-CASE-LEW-12806-2] c 44 N81-12542
- Power factor control system for ac induction motors
[NASA-CASE-MFS-23988-1] c 33 N81-27395
- Non-contacting power transfer device
[NASA-CASE-GSC-12595-1] c 33 N82-24422
- Energy saving electrical motor control system
[NASA-CASE-MFS-25560-1] c 33 N82-30472
- Coupling an induction motor type generator to a-c power lines
[NASA-CASE-MFS-25302-2] c 33 N83-24768
- ALTIMETERS**
Echo tracker/range finder for radars and sonars
[NASA-CASE-NPO-14361-1] c 32 N82-23376
- ALTITUDE**
Combined optical altitude and altitude indicating instrument Patent
[NASA-CASE-XLA-01907] c 14 N71-23268
- ALTITUDE CONTROL**
Check valve assembly for a probe Patent
[NASA-CASE-XLA-00128] c 15 N70-37925
- ALUMINUM**
Method of joining aluminum to stainless steel Patent
[NASA-CASE-MFS-07369] c 15 N71-20443
- Thermal control coating Patent
[NASA-CASE-XLA-01995] c 18 N71-23047
- Etching of aluminum for bonding Patent
[NASA-CASE-XMF-02303] c 17 N71-23828
- Process for producing dispersion strengthened nickel with aluminum Patent
[NASA-CASE-XLE-06969] c 17 N71-24142
- Plating nickel on aluminum castings Patent
[NASA-CASE-XNP-04148] c 17 N71-24830
- Method of plating copper on aluminum Patent
[NASA-CASE-XLA-08966-1] c 17 N71-25903
- Heat activated cell Patent
[NASA-CASE-LEW-11359] c 03 N71-28579
- Method of making emf cell
[NASA-CASE-LEW-11359-2] c 03 N72-20034
- Method of preparing graphite reinforced aluminum composite
[NASA-CASE-MFS-21077-1] c 24 N75-28135
- Method of fluxless brazing and diffusion bonding of aluminum containing components
[NASA-CASE-MSC-14435-1] c 37 N78-18455
- Method for making an aluminum or copper substrate panel for selective absorption of solar energy
[NASA-CASE-MFS-23518-1] c 44 N79-11469
- Recovery of aluminum from composite propellants
[NASA-CASE-NPO-14110-1] c 28 N81-15119
- Imaging X-ray spectrometer
[NASA-CASE-GSC-12682-1] c 35 N82-26629
- High performance filletting sealant
[NASA-CASE-ARC-11409-1] c 27 N82-32490
- Variable anodic thermal control coating
[NASA-CASE-LAR-12719-1] c 44 N83-34449
- ALUMINUM ALLOYS**
Low temperature aluminum alloy Patent
[NASA-CASE-XMF-02786] c 17 N71-20743
- Etching of aluminum for bonding Patent
[NASA-CASE-XMF-02303] c 17 N71-23828
- Method of producing complex aluminum alloy parts of high temper, and products thereof
[NASA-CASE-MSC-19693-1] c 26 N78-24333
- Nical ternary alloy having improved cyclic oxidation resistance
[NASA-CASE-LEW-13339-1] c 26 N82-31505
- ALUMINUM COATINGS**
Nickel aluminate coated low alloy stainless steel
[NASA-CASE-LEW-11267-1] c 17 N73-32414
- Preparing oxidizer coated metal fuel particles
[NASA-CASE-NPO-11975-1] c 28 N74-33209
- Method of protecting the surface of a substrate — by applying aluminate coating
[NASA-CASE-LEW-11696-1] c 37 N75-13261
- Duplex aluminized coatings
[NASA-CASE-LEW-11696-2] c 26 N75-19408
- Meteoroid impact position locator aid for manned space station
[NASA-CASE-LAR-10629-1] c 35 N75-33387
- Method of protecting a surface with a silicon-slurry/aluminate coating — coatings for gas turbine engine blades and vanes
[NASA-CASE-LEW-13343-1] c 27 N82-28441
- Fire blocking systems for aircraft seat cushions
[NASA-CASE-ARC-11423-1] c 03 N83-17525
- Silicon-slurry/aluminate coating — protecting gas turbine engine vanes and blades
[NASA-CASE-LEW-13343] c 26 N83-31795
- ALUMINUM COMPOUNDS**
Synthesis of dawsonites — for use in fire extinguishing operations
[NASA-CASE-ARC-11326-1] c 25 N83-33977
- Fire extinguishant materials
[NASA-CASE-ARC-11252-1] c 25 N83-36118
- ALUMINUM OXIDES**
Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
[NASA-CASE-GSC-11577-1] c 37 N75-15992
- Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
[NASA-CASE-GSC-11577-3] c 24 N79-25143
- Castable high temperature refractory materials
[NASA-CASE-LEW-13080-2] c 27 N82-11210
- ALUMINUM SILICATES**
Inorganic thermal control pigment Patent
[NASA-CASE-XNP-02139] c 18 N71-24184
- AMBIENT TEMPERATURE**
High stability amplifier
[NASA-CASE-GSC-12646-1] c 33 N83-34191
- AMIDES**
Preparation of heterocyclic block copolymer omega-diamidoximes
[NASA-CASE-ARC-11060-1] c 27 N79-22300
- Preparation of perfluorinated imidoylamidoximes — for eventual preparation of heat and chemical resistant polymers
[NASA-CASE-ARC-11267-1] c 23 N80-26388
- Method for preparing addition type polyimide prepreps
[NASA-CASE-LAR-12054-2] c 27 N81-14078
- AMINES**
Direct synthesis of polymers schiff bases from two amines and two aldehydes Patent
[NASA-CASE-XMF-08655] c 06 N71-11239
- Synthesis of polymers schiff bases by reaction of acetals and amine compounds Patent
[NASA-CASE-XMF-08652] c 06 N71-11243
- Polyimide foam for the thermal insulation and fire protection
[NASA-CASE-ARC-10484-1] c 27 N74-12812
- Automated analysis of oxidative metabolites
[NASA-CASE-ARC-10469-1] c 25 N75-12086
- Preparation of perfluorinated 1,2,4-oxadiazoles
[NASA-CASE-ARC-11267-2] c 23 N82-28353
- Method of neutralizing the corrosive surface of amine-cured epoxy resins
[NASA-CASE-GSC-12686-1] c 27 N83-34039
- AMINO ACIDS**
Amino acid analysis
[NASA-CASE-NPO-12130-1] c 25 N75-14844
- AMMONIA**
Solid state chemical source for ammonia beam maser Patent
[NASA-CASE-XGS-01504] c 16 N70-41578
- AMMONIUM NITRATES**
High performance ammonium nitrate propellant
[NASA-CASE-NPO-14260-1] c 28 N79-28342
- AMMONIUM PERCHLORATES**
Ammonium perchlorate composite propellant containing an organic transitional metal chelate catalytic additive Patent
[NASA-CASE-LAR-10173-1] c 27 N71-14090
- Process for the leaching of AP from propellant
[NASA-CASE-NPO-14109-1] c 28 N80-23471
- AMORPHOUS MATERIALS**
Production of ultrapure amorphous metals utilizing acoustic cooling
[NASA-CASE-NPO-15658-1] c 26 N83-19890
- AMPLIFICATION**
Amplifier drift tester
[NASA-CASE-XMS-05562-1] c 09 N69-39986
- Amplifier clamping circuit for horizon scanner Patent
[NASA-CASE-XGS-01784] c 10 N71-20782
- Diversity receiving system with diversity phase lock Patent
[NASA-CASE-XGS-01222] c 10 N71-20841
- Active RC networks
[NASA-CASE-ARC-10042-2] c 10 N72-11256
- High voltage transistor amplifier with constant current load
[NASA-CASE-NPO-11023] c 09 N72-17155
- Independent gain and bandwidth control of a traveling wave maser
[NASA-CASE-NPO-13801-1] c 36 N78-18410
- Pseudonoise code tracking loop
[NASA-CASE-MSC-18035-1] c 32 N81-15179
- Automatic level control circuit
[NASA-CASE-KSC-11170-1] c 33 N83-36356
- AMPLIFIER DESIGN**
Automatic gain control system
[NASA-CASE-XMS-05307] c 09 N69-24330

- Bio-isolated dc operational amplifier --- for bioelectric measurements
[NASA-CASE-ARC-10596-1] c 33 N74-21851
- High power metallic halide laser --- amplifying a copper chloride laser
[NASA-CASE-NPO-14782-1] c 36 N82-28616
- Reactanceless bandpass amplifier
[NASA-CASE-GSC-12788-1] c 33 N83-12333
- AMPLIFIERS**
- Stable amplifier having a stable quiescent point Patent
[NASA-CASE-XGS-02812] c 09 N71-19466
- Method and apparatus for continuously monitoring blood oxygenation, blood pressure, pulse rate and the pressure pulse curve utilizing an ear oximeter as transducer Patent
[NASA-CASE-XAC-05422] c 04 N71-23185
- High-gain, broadband traveling wave maser Patent
[NASA-CASE-NPO-10548] c 16 N71-24831
- Vibrophonocardiograph Patent
[NASA-CASE-XFR-07172] c 5 N71-27234
- Transient augmentation circuit for pulse amplifiers Patent
[NASA-CASE-XNP-01068] c 10 N71-28739
- RC networks and amplifiers employing the same
[NASA-CASE-XAC-05462-2] c 10 N72-17171
- Full wave modulator-demodulator amplifier apparatus --- for generating rectified output signal
[NASA-CASE-FRC-10072-1] c 33 N74-14939
- Automatic focus control for facsimile cameras
[NASA-CASE-LAR-11213-1] c 35 N75-15014
- Reflected-wave maser --- low noise amplifier
[NASA-CASE-NPO-13490-1] c 36 N76-31512
- Inductorless narrow-band filter/amplifier
[NASA-CASE-GSC-12410-1] c 33 N79-24260
- Integrated photo-responsive metal oxide semiconductor circuit
[NASA-CASE-GSC-12782-1] c 33 N83-13360
- High stability amplifier
[NASA-CASE-GSC-12646-1] c 33 N83-34191
- AMPLITUDE DISTRIBUTION ANALYSIS**
- System for monitoring signal amplitude ranges
[NASA-CASE-XMS-04061-1] c 09 N69-39885
- Single or joint amplitude distribution analyzer Patent
[NASA-CASE-XNP-01383] c 09 N71-10659
- Analog-to-digital converter
[NASA-CASE-XNP-00477] c 08 N73-28045
- AMPLITUDE MODULATION**
- Signal generator
[NASA-CASE-XNP-05612] c 09 N69-21468
- Demodulation system Patent
[NASA-CASE-XAC-04030] c 10 N71-19472
- Amplitude modulated laser transmitter Patent
[NASA-CASE-XMS-04269] c 16 N71-22895
- Vibrating element electrometer with output signal magnified over input signal by a function of the mechanical Q of the vibrating element Patent
[NASA-CASE-XAC-02807] c 09 N71-23021
- Phase multiplying electronic scanning system Patent
[NASA-CASE-NPO-10302] c 10 N71-26142
- Signal path series step biased multidevice high efficiency amplifier Patent
[NASA-CASE-GSC-10668-1] c 07 N71-28430
- Gated compressor, distortionless signal limiter
[NASA-CASE-NPO-11820-1] c 32 N74-19788
- Amplitude steered array
[NASA-CASE-GSC-11446-1] c 33 N74-20860
- Stark-effect modulation of CO₂ laser with NH₂D
[NASA-CASE-NPO-11945-1] c 36 N76-18427
- Adaptive reference voltage generator for firing angle control of line-commutated inverters
[NASA-CASE-MFS-25215-1] c 33 N83-31953
- AMPLITUDES**
- Noise limiter Patent
[NASA-CASE-NPO-10169] c 10 N71-24844
- A dual differential interferometer
[NASA-CASE-LAR-12968-1] c 71 N83-12969
- AMPOULES**
- Ampoule sealing apparatus and process --- for housing a semiconductor growth charge under vacuum
[NASA-CASE-LAR-12847-1] c 33 N83-16633
- Apparatus and method for heating a material in a transparent ampoule --- crystal growth
[NASA-CASE-MFS-25436-1] c 27 N83-38220
- ANALGESIA**
- Indomethacin-anthistamine combination for gastric ulceration control
[NASA-CASE-ARC-11118-2] c 52 N81-14613
- Indomethacin-anthistamine combination for gastric ulceration control
[NASA-CASE-ARC-11118-1] c 52 N81-29764
- ANALOG CIRCUITS**
- Condition and condition duration indicator Patent
[NASA-CASE-XMF-01097] c 10 N71-16058
- Automatic closed circuit television arc guidance control Patent
[NASA-CASE-MFS-13048] c 07 N71-19433
- Electronic divider and multiplier using photocells Patent
[NASA-CASE-XFR-05637] c 09 N71-19480
- Continuous Fourier transform method and apparatus --- for the analysis of simultaneous analog signal components
[NASA-CASE-ARC-10466-1] c 60 N75-13539
- Electronic analog divider
[NASA-CASE-LEW-11881-1] c 33 N77-17354
- Tuned analog network --- bandpass filter networks
[NASA-CASE-GSC-12650-1] c 33 N82-10324
- ANALOG COMPUTERS**
- Analog spatial maneuver computer
[NASA-CASE-GSC-10880-1] c 08 N72-11172
- ANALOG DATA**
- Data compression processor Patent
[NASA-CASE-NPO-10068] c 08 N71-19268
- Wide range data compression system Patent
[NASA-CASE-XGS-02612] c 08 N71-19435
- Analog Signal to Discrete Time Interval Converter (ASDTIC)
[NASA-CASE-ERC-10048] c 09 N72-25251
- Digital plus analog output encoder
[NASA-CASE-GSC-12115-1] c 62 N76-31946
- Velocity measurement system
[NASA-CASE-MFS-23363-1] c 35 N78-32396
- ANALOG SIMULATION**
- Apparatus for simulating optical transmission links
[NASA-CASE-GSC-11877-1] c 74 N76-18913
- ANALOG TO DIGITAL CONVERTERS**
- Analog-to-digital conversion system Patent
[NASA-CASE-XAC-00404] c 08 N70-40125
- Analog to digital converter Patent
[NASA-CASE-XLA-00670] c 08 N71-12501
- Nonlinear analog-to-digital converter Patent
[NASA-CASE-XAC-04031] c 08 N71-18594
- Drift compensation circuit for analog to digital converter Patent
[NASA-CASE-XNP-04780] c 08 N71-19687
- Pneumatic oscillator Patent
[NASA-CASE-LEW-10345-1] c 10 N71-25899
- Analog signal integration and reconstruction system Patent
[NASA-CASE-NPO-10344] c 10 N71-26544
- Analog to digital converter tester Patent
[NASA-CASE-XLA-08713] c 14 N71-28991
- Wide range analog-to-digital converter with a variable gain amplifier
[NASA-CASE-NPO-11018] c 08 N72-21200
- Analog-to-digital converter
[NASA-CASE-MS-C-13110-1] c 08 N72-22163
- Analog-to-digital converter analyzing system
[NASA-CASE-NPO-10560] c 08 N72-22166
- Digital control and information system
[NASA-CASE-NPO-11018] c 08 N72-31226
- Counting digital filters
[NASA-CASE-NPO-11821-1] c 08 N73-26175
- Analog-to-digital converter
[NASA-CASE-XNP-00477] c 08 N73-28045
- Analog to digital converter
[NASA-CASE-NPO-13385-1] c 33 N76-18345
- Analog to digital converter for two-dimensional radiant energy array computers
[NASA-CASE-GSC-11839-3] c 60 N77-32731
- Electrochemical detection device --- for use in microbiology
[NASA-CASE-LAR-11922-1] c 25 N79-24073
- Heads up display
[NASA-CASE-LAR-12630-1] c 06 N82-29319
- Apparatus and method for tracking the fundamental frequency of an analog input signal
[NASA-CASE-ARC-11367-1] c 33 N83-21238
- ANALYZERS**
- Fluid phase analyzer Patent
[NASA-CASE-NPO-10691] c 14 N71-26199
- Automated fluid chemical analyzer Patent
[NASA-CASE-XNP-09451] c 06 N71-26754
- Micrometeoroid analyzer
[NASA-CASE-ARC-10443-1] c 14 N73-20477
- NDIR gas analyzer based on absorption modulation ratios for known and unknown samples
[NASA-CASE-ARC-10802-1] c 35 N75-30502
- Cosmic dust analyzer
[NASA-CASE-MS-C-13802-2] c 35 N76-15431
- Optically selective, acoustically resonant gas detecting transducer
[NASA-CASE-ARC-10639-1] c 35 N78-13400
- ANEMOMETERS**
- Anemometer with braking mechanism Patent
[NASA-CASE-XMF-05224] c 14 N71-23726
- Maxometers (peak wind speed anemometers)
[NASA-CASE-MFS-20916] c 14 N73-25460
- A radionuclide counting technique for measuring wind velocity and direction
[NASA-CASE-LAR-12971-1] c 47 N83-14863
- ANGIOGRAPHY**
- Contour detector and data acquisition system for the left ventricular outline
[NASA-CASE-ARC-10985-1] c 52 N79-10724
- ANGLE OF ATTACK**
- Angle detector
[NASA-CASE-ARC-11036-1] c 35 N78-32395
- Aerodynamic side-force alleviator means
[NASA-CASE-LAR-12326-1] c 02 N81-14968
- Model mount system for testing flutter
[NASA-CASE-LAR-12950-1] c 09 N83-25727
- ANGLES (GEOMETRY)**
- Internal flare angle gauge Patent
[NASA-CASE-XMF-04415] c 14 N71-24693
- Method for generating ultra-precise angles Patent
[NASA-CASE-XGS-04173] c 19 N71-26674
- Rotating raster generator
[NASA-CASE-FRC-10071-1] c 32 N74-20813
- ANGULAR ACCELERATION**
- Angular accelerometer Patent
[NASA-CASE-XMS-05938] c 14 N70-41682
- ANGULAR CORRELATION**
- Device for determining relative angular position between a spacecraft and a radiation emitting celestial body
[NASA-CASE-GSC-11444-1] c 14 N73-28490
- ANGULAR DISTRIBUTION**
- Noncontacting method for measuring angular deflection
[NASA-CASE-LAR-12178-1] c 74 N80-21138
- Portable 90 deg proof loading device
[NASA-CASE-MS-C-20250-1] c 37 N83-29707
- ANGULAR MOMENTUM**
- Stretch de-spin mechanism Patent
[NASA-CASE-XGS-00619] c 30 N70-40016
- Rim inertial measuring system
[NASA-CASE-LAR-12052-1] c 18 N81-29152
- ANGULAR RESOLUTION**
- Angular measurement system Patent
[NASA-CASE-XMF-00447] c 14 N70-33179
- ANGULAR VELOCITY**
- Angular position and velocity sensing apparatus Patent
[NASA-CASE-XGS-05680] c 14 N71-17585
- Speed control device for a heavy duty shaft --- solar sails for spacecraft propulsion
[NASA-CASE-NPO-14170-1] c 37 N81-15364
- Interferometric angle monitor
[NASA-CASE-GSC-12614-1] c 74 N83-32577
- ANHYDRIDES**
- Perfluoro alkylene dioxy-bis-(4-phthalic anhydrides and oxy-bis-(perfluoroalkyleneoxyphthalic anhydrides
[NASA-CASE-MFS-22356-1] c 23 N75-30256
- Catalysts for polyimide foams from aromatic isocyanates and aromatic dianhydrides --- flame retardant foams
[NASA-CASE-ARC-11107-1] c 25 N80-16116
- Prepolymer dianhydrides
[NASA-CASE-NPO-13899-1] c 27 N80-32515
- The 1 - (dialkoxyposphoryl)methyl -2,4- and -2,6-dinitro- and diamino benzenes and their derivatives
[NASA-CASE-ARC-11425-1] c 23 N83-28076
- ANILINE**
- Process for preparation of dianilinosilanes Patent
[NASA-CASE-XMF-06409] c 06 N71-23230
- ANIMALS**
- Automatic real-time pair-feeding system for animals
[NASA-CASE-ARC-10302-1] c 51 N74-15778
- Tread drum for animals --- having an electrical shock station
[NASA-CASE-ARC-10917-1] c 51 N78-27733
- ANISOTROPIC MEDIA**
- Hybrid composite laminate structures
[NASA-CASE-LEW-12118-1] c 24 N77-27188
- ANNEALING**
- Recovery of radiation damaged solar cells through thermal annealing
[NASA-CASE-XGS-04047-2] c 03 N72-11062
- CDS solid state phase insensitive ultrasonic transducer --- annealing cadmium sulfide crystals
[NASA-CASE-LAR-12304-1] c 35 N80-20559
- ANNULAR NOZZLES**
- Rocket thrust chamber Patent
[NASA-CASE-XLE-00145] c 28 N70-36806
- Annular slit colloid thruster Patent
[NASA-CASE-GSC-10709-1] c 28 N71-25213
- ANNULAR PLATES**
- Annular supersonic decelerator or drogue Patent
[NASA-CASE-XLE-00222] c 02 N70-37939
- Multiple plate hydrostatic viscous damper
[NASA-CASE-LEW-12445-1] c 37 N81-22360
- ANNULI**
- A brushless dc tachometer
[NASA-CASE-NPO-15706-1] c 35 N82-26633

- ANODES**
- Heat activated cell with alkali anode and alkali salt electrolyte Patent
[NASA-CASE-LEW-11358] c 03 N71-26084
- Storage battery comprising negative plates of a wedge shaped configuration — for preventing shape change induced malfunctions
[NASA-CASE-NPO-11806-1] c 44 N74-19693
- Resistive anode image converter
[NASA-CASE-HQN-10876-1] c 33 N76-27473
- Rechargeable battery which combats shape change of the zinc anode
[NASA-CASE-HQN-10862-1] c 44 N76-29699
- Arc control in compact arc lamps
[NASA-CASE-NPO-10870-1] c 33 N77-22386
- Multiple anode arc lamp system
[NASA-CASE-NPO-10857-1] c 33 N80-14330
- Ion sputter textured graphite — anode collector plates in electron tube devices
[NASA-CASE-LEW-12919-1] c 24 N83-10117
- Ring-cusp ion thruster with shell anode
[NASA-CASE-LEW-13881-1] c 72 N83-21903
- ANODIC COATINGS**
- Temperature reducing coating for metals subject to flame exposure Patent
[NASA-CASE-XLE-00035] c 33 N71-29151
- Anode for ion thruster
[NASA-CASE-LEW-12048-1] c 20 N77-20162
- Variable anodic thermal control coating
[NASA-CASE-LAR-12719-1] c 44 N83-34449
- ANODIZING**
- Epitaxial thinning process
[NASA-CASE-NPO-15786-1] c 25 N82-26397
- ANTENNA ARRAYS**
- Antenna system using parasitic elements and two driven elements at 90 deg angle fed 180 deg out of phase Patent
[NASA-CASE-XLA-00414] c 07 N70-38200
- Multiple input radio receiver Patent
[NASA-CASE-XLA-00901] c 07 N71-10775
- Horn feed having overlapping apertures Patent
[NASA-CASE-GSC-10452] c 07 N71-12396
- Tracking antenna system Patent
[NASA-CASE-GSC-10553-1] c 07 N71-19854
- Radar antenna system for acquisition and tracking Patent
[NASA-CASE-XMS-09610] c 07 N71-24625
- Antenna array phase quadrature tracking system Patent
[NASA-CASE-MS-C-12205-1] c 07 N71-27056
- Antenna array at focal plane of reflector with coupling network for beam switching Patent
[NASA-CASE-GSC-10220-1] c 07 N71-27233
- Triaxial antenna Patent
[NASA-CASE-XGS-02290] c 07 N71-28809
- Virtual wall slot circularly polarized planar array antenna
[NASA-CASE-NPO-10301] c 07 N72-11148
- Stacked array of omnidirectional antennas
[NASA-CASE-LAR-10545-1] c 09 N72-21244
- Circularly polarized antenna
[NASA-CASE-ERC-10214] c 09 N72-31235
- Phase control circuits using frequency multiplications for phased array antennas
[NASA-CASE-ERC-10285] c 10 N73-16206
- Plural beam antenna
[NASA-CASE-GSC-11013-1] c 09 N73-19234
- Amplitude steered array
[NASA-CASE-GSC-11446-1] c 33 N74-20860
- Position determination systems — using orbital antenna scan of celestial bodies
[NASA-CASE-MS-C-12593-1] c 17 N76-21250
- Thin conformal antenna array for microwave power conversions
[NASA-CASE-NPO-13886-1] c 32 N78-24391
- RF beam center location method and apparatus for power transmission system
[NASA-CASE-NPO-13821-1] c 44 N78-28594
- Phased array antenna control
[NASA-CASE-MS-C-14939-1] c 32 N79-11264
- Phase conjugation method and apparatus for an active retrodirective antenna array
[NASA-CASE-NPO-13641-1] c 32 N79-24210
- Scannable beam forming interferometer antenna array system
[NASA-CASE-GSC-12365-1] c 32 N80-28578
- Frequency translating phase conjugation circuit for active retrodirective antenna array — microwave transmission
[NASA-CASE-NPO-14536-1] c 32 N81-14185
- Coaxial phased array antenna
[NASA-CASE-MS-C-16800-1] c 32 N81-14187
- Baseband signal combiner for large aperture antenna array
[NASA-CASE-NPO-14641-1] c 32 N81-29308
- Cavity-backed, micro-strip dipole antenna array
[NASA-CASE-MS-C-18606-1] c 32 N82-11336
- Multiple-beam, high-power, precision pointing antenna system
[NASA-CASE-NPO-15406-1] c 33 N82-12345
- Spiral slotted phased antenna array
[NASA-CASE-MS-C-18532-1] c 32 N82-27558
- Method and apparatus for self-calibration and phasing of array antenna
[NASA-CASE-NPO-15920-1] c 32 N82-33593
- Electronic scanning spacecraft communication system
[NASA-CASE-NPO-15899-1] c 32 N83-19970
- ANTENNA COMPONENTS**
- Digital servo controller — for rotating antenna shaft
[NASA-CASE-KSC-10769-1] c 33 N74-29556
- Faraday rotation measurement method and apparatus
[NASA-CASE-NPO-14839-1] c 35 N82-15381
- ANTENNA COUPLERS**
- Dual band combiner for horn antenna
[NASA-CASE-NPO-14519-1] c 32 N80-23524
- ANTENNA DESIGN**
- Low noise single aperture multimode monopulse antenna feed system Patent
[NASA-CASE-XNP-01735] c 07 N71-22750
- Nose cone mounted heat resistant antenna Patent
[NASA-CASE-XMS-04312] c 07 N71-22984
- Antenna array phase quadrature tracking system Patent
[NASA-CASE-MS-C-12205-1] c 07 N71-27056
- Unfurlable structure including coiled strips thrust launched upon tension release Patent
[NASA-CASE-HQN-00937] c 07 N71-28979
- Antenna design for surface wave suppression Patent
[NASA-CASE-XLA-10772] c 07 N71-28980
- Target acquisition antenna
[NASA-CASE-GSC-10064-1] c 10 N72-22235
- Collapsible high gain antenna
[NASA-CASE-KSC-10392] c 07 N73-26117
- Dish antenna having switchable beamwidth — with truncated concave ellipsoid subreflector
[NASA-CASE-GSC-11760-1] c 33 N75-19516
- Horn antenna having V-shaped corrugated slots
[NASA-CASE-LAR-11112-1] c 32 N76-15330
- Highly efficient antenna system using a corrugated horn and scanning hyperbolic reflector
[NASA-CASE-NPO-13568-1] c 32 N76-21365
- Furlable antenna — antenna design
[NASA-CASE-NPO-13553-1] c 33 N76-32457
- Collapsible corrugated horn antenna
[NASA-CASE-LAR-11745-1] c 32 N80-29539
- Multiple band circularly polarized microstrip antenna
[NASA-CASE-MS-C-18334-1] c 32 N80-32604
- Spiral slotted phased antenna array
[NASA-CASE-MS-C-18532-1] c 32 N82-27558
- ANTENNA FEEDS**
- Multi-feed cone Cassegrain antenna Patent
[NASA-CASE-NPO-10539] c 07 N71-11285
- Horn feed having overlapping apertures Patent
[NASA-CASE-GSC-10452] c 07 N71-12396
- Target acquisition antenna
[NASA-CASE-GSC-10064-1] c 10 N72-22235
- Composite antenna feed
[NASA-CASE-GSC-11046-1] c 07 N73-28013
- Low loss dichroic plate
[NASA-CASE-NPO-13171-1] c 32 N74-11000
- High efficiency multifrequency feed
[NASA-CASE-GSC-11909] c 32 N74-20863
- Single frequency, two feed dish antenna having switchable beamwidth
[NASA-CASE-GSC-11968-1] c 32 N76-15329
- Reflex feed system for dual frequency antenna with frequency cutoff means
[NASA-CASE-NPO-14022-1] c 32 N78-31321
- Antenna feed system for receiving circular polarization and transmitting linear polarization
[NASA-CASE-NPO-14362-1] c 32 N80-16261
- Multifrequency broadband polarized horn antenna
[NASA-CASE-NPO-14588-1] c 32 N81-25278
- Microwave switching power divider — antenna feeds
[NASA-CASE-GSC-12420-1] c 33 N82-16340
- Method and apparatus for self-calibration and phasing of array antenna
[NASA-CASE-NPO-15920-1] c 32 N82-33593
- Focal axis resolver for offset reflector antennas
[NASA-CASE-GSC-12630-1] c 33 N83-36355
- ANTENNA RADIATION PATTERNS**
- Broadband choke for antenna structure
[NASA-CASE-XMS-05303] c 07 N69-27462
- Dual mode horn antenna Patent
[NASA-CASE-XNP-01057] c 07 N71-15907
- Electronic scanning of 2-channel monopulse patterns Patent
[NASA-CASE-GSC-10299-1] c 09 N71-24804
- High impact antenna Patent
[NASA-CASE-NPO-10231] c 07 N71-26101
- Triaxial antenna Patent
[NASA-CASE-XGS-02290] c 07 N71-28809
- Lightning tracking system
[NASA-CASE-KSC-10729-1] c 09 N73-32110
- Highly efficient antenna system using a corrugated horn and scanning hyperbolic reflector
[NASA-CASE-NPO-13568-1] c 32 N76-21365
- Coaxial phased array antenna
[NASA-CASE-MS-C-16800-1] c 32 N81-14187
- Multiple-beam, high-power, precision pointing antenna system
[NASA-CASE-NPO-15406-1] c 33 N82-12345
- Method and apparatus for self-calibration and phasing of array antenna
[NASA-CASE-NPO-15920-1] c 32 N82-33593
- ANTENNAS**
- Self-erecting reflector Patent
[NASA-CASE-XGS-09180] c 31 N71-16102
- High impact antenna Patent
[NASA-CASE-NPO-10231] c 07 N71-26101
- Collapsible antenna boom and transmission line Patent
[NASA-CASE-MFS-20068] c 07 N71-27191
- Conical reflector antenna
[NASA-CASE-NPO-10303] c 07 N72-22127
- Coupled cavity traveling wave tube with velocity tapering
[NASA-CASE-LEW-12296-1] c 33 N82-26568
- Articulated joint for deployable structures
[NASA-CASE-NPO-16038-1] c 37 N83-20157
- Antenna grout replacement system
[NASA-CASE-NPO-15202-1] c 27 N83-34043
- ANTIBIOTICS**
- Determination of antimicrobial susceptibilities on infected urines without isolation
[NASA-CASE-GSC-12046-1] c 52 N79-14750
- ANTIFRICTION BEARINGS**
- Hybrid lubrication system and bearing Patent
[NASA-CASE-XNP-01841] c 15 N71-22997
- Rolling element bearings Patent
[NASA-CASE-XLE-09527-2] c 15 N71-26189
- High speed hybrid bearing comprising a fluid bearing and a rolling bearing connected in series
[NASA-CASE-LEW-11152-1] c 15 N73-32359
- Production of hollow components for rolling element bearings by diffusion welding
[NASA-CASE-LEW-11026-1] c 15 N73-33383
- Method of making bearing materials — self-lubricating, oxidation resistant composites for high temperature applications
[NASA-CASE-LEW-11930-4] c 24 N79-17916
- Method of making bearing material
[NASA-CASE-LEW-11930-3] c 24 N80-33482
- ANTIgravity**
- Anti-gravity device
[NASA-CASE-MFS-22758-1] c 70 N75-26789
- ANTIHISTAMINICS**
- Indomethacin-antihistamine combination for gastric ulceration control
[NASA-CASE-ARC-11118-2] c 52 N81-14613
- Indomethacin-antihistamine combination for gastric ulceration control
[NASA-CASE-ARC-11118-1] c 52 N81-29764
- ANTIREFLECTION COATINGS**
- Silicon nitride coated, plastic covered solar cell
[NASA-CASE-LEW-11496-1] c 44 N77-14580
- Broadband optical radiation detector
[US-PATENT-4,262,198] c 74 N83-19597
- ANVILS**
- Apparatus for making diamonds
[NASA-CASE-MFS-20698] c 15 N72-20446
- APERTURES**
- Focussing system for an ion source having apertured electrodes Patent
[NASA-CASE-XNP-03332] c 09 N71-10618
- Threadless fastener apparatus Patent
[NASA-CASE-XFR-05302] c 15 N71-23254
- On-film optical recording of camera lens settings
[NASA-CASE-MS-C-12363-1] c 14 N73-26431
- Method of forming aperture plate for electron microscope
[NASA-CASE-ARC-10448-2] c 74 N75-12732
- Method of making an apertured casting — using duplicate mold
[NASA-CASE-LEW-11169-1] c 37 N76-23570
- Electron microscope aperture system
[NASA-CASE-ARC-10448-3] c 35 N77-14408
- Heat reflecting field stop
[NASA-CASE-LAR-12443-1] c 74 N82-19030
- APOLLO PROJECT**
- Space suit
[NASA-CASE-MS-C-12609-1] c 05 N73-32012
- APOLLO SPACECRAFT**
- Energy absorbing structure Patent Application
[NASA-CASE-MS-C-12279-1] c 15 N70-35679

- Low onset rate energy absorber
[NASA-CASE-MSC-12278] c 15 N72-17450
- APPLICATIONS OF MATHEMATICS**
Apparatus for computing square roots Patent
[NASA-CASE-XGS-04768] c 08 N71-19437
- APPROACH**
Spectrally balanced chromatic landing approach lighting system
[NASA-CASE-ARC-10990-1] c 04 N82-16059
- AQUATIC PLANTS**
Method for treating wastewater using microorganisms and vascular aquatic plants
[NASA-CASE-NSTL-10-1] c 25 N82-25335
- AQUEOUS SOLUTIONS**
Anti-fog composition — for prevention of fogging on surfaces such as space helmet visors and windshields
[NASA-CASE-MSC-13530-2] c 23 N75-14834
Automated system for identifying traces of organic chemical compounds in aqueous solutions
[NASA-CASE-NPO-13063-1] c 25 N76-18245
Method for separating biological cells — suspended in aqueous polymer systems
[NASA-CASE-MFS-23883-1] c 51 N80-18715
Method of forming dynamic membrane on stainless steel support
[NASA-CASE-MSC-18172-1] c 26 N80-19237
Method of cross-linking polyvinyl alcohol and other water soluble resins
[NASA-CASE-LEW-13103-1] c 27 N80-32516
Electrophotolysis oxidation system for measurement of organic concentration in water
[NASA-CASE-MSC-18497-1] c 25 N82-12166
Liquid immersion apparatus for minute articles
[NASA-CASE-MFS-25383-1] c 37 N82-12441
Coal desulfurization by aqueous chlorination
[NASA-CASE-NPO-14902-1] c 25 N82-28371
Hydrodesulfurization of chlorinated coal
[NASA-CASE-NPO-15304-1] c 25 N83-31743
- ARC DISCHARGES**
Device for preventing high voltage arcing in electron beam welding Patent
[NASA-CASE-XMF-08522] c 15 N71-19486
Self-repeating plasma generator having communicating annular and linear arc discharge passages Patent
[NASA-CASE-XLA-03103] c 25 N71-21693
Method and apparatus for nondestructive testing — using high frequency arc discharges
[NASA-CASE-MFS-21233-1] c 38 N74-15395
Sustained arc ignition system
[NASA-CASE-LEW-12444-1] c 33 N77-28385
- ARC HEATING**
Electric-arc heater Patent
[NASA-CASE-XLA-00330] c 33 N70-34540
Electric arc device for heating gases Patent
[NASA-CASE-XAC-00319] c 25 N70-41628
Annular arc accelerator shock tube
[NASA-CASE-NPO-13528-1] c 09 N77-10071
- ARC JET ENGINES**
Magneto-plasma-dynamic arc thruster
[NASA-CASE-LEW-11180-1] c 25 N73-25760
- ARC LAMPS**
Starting circuit for vapor lamps and the like Patent
[NASA-CASE-XNP-01058] c 09 N71-12540
Compact, high intensity arc lamp with internal magnetic field producing means
[NASA-CASE-NPO-11510-1] c 33 N77-21315
Depressurization of arc lamps
[NASA-CASE-NPO-10790-1] c 33 N77-21316
Arc control in compact arc lamps
[NASA-CASE-NPO-10870-1] c 33 N77-22386
Purging means and method for Xenon arc lamps
[NASA-CASE-NPO-11978] c 31 N78-17238
Multiple anode arc lamp system
[NASA-CASE-NPO-10857-1] c 33 N80-14330
- ARC WELDING**
Spectral method for monitoring atmospheric contamination of inert-gas welding shields Patent
[NASA-CASE-XMF-02039] c 15 N71-15871
Automatic closed circuit television arc guidance control Patent
[NASA-CASE-MFS-13046] c 07 N71-19433
Device for preventing high voltage arcing in electron beam welding Patent
[NASA-CASE-XMF-08522] c 15 N71-19486
Welding skate with computerized control Patent
[NASA-CASE-XMF-07069] c 15 N71-23815
Grain refinement control in TIG arc welding
[NASA-CASE-MSC-19095-1] c 37 N75-19683
- ARCHITECTURE**
Foldable construction block
[NASA-CASE-MSC-12233-2] c 32 N73-13921
- ARCHITECTURE (COMPUTERS)**
Massively parallel processor computer
[NASA-CASE-GSC-12223-1] c 60 N83-25378
Distributed multipoint memory architecture
[NASA-CASE-NPO-15342-1] c 60 N83-32342
- ARM (ANATOMY)**
Apparatus for applying simulator g-forces to an arm of an aircraft simulator pilot
[NASA-CASE-LAR-10550-1] c 09 N74-30597
Orthotic arm joint — for use in mechanical arms
[NASA-CASE-MFS-21811-1] c 54 N75-12616
Controller arm for a remotely related slave arm
[NASA-CASE-ARC-11052-1] c 37 N79-28551
- ARMATURES**
Direct current motor with stationary armature and field Patent
[NASA-CASE-XGS-05290] c 09 N71-25999
Solenoid valve including guide for armature and valve member
[NASA-CASE-GSC-10607-1] c 15 N72-20442
Electric motive machine including magnetic bearing
[NASA-CASE-XGS-07805] c 15 N72-33478
Natural turbulence electrical power generator — using wave action or random motion
[NASA-CASE-LAR-11551-1] c 44 N80-29834
Linear magnetic bearings — active magnetic suspension of armatures
[NASA-CASE-GSC-12582-1] c 37 N81-16469
Reciprocating linear motor
[NASA-CASE-GSC-12773-1] c 33 N83-12332
Linear magnetic bearings
[NASA-CASE-GSC-12582-2] c 37 N83-13460
- AROMATIC COMPOUNDS**
Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-1] c 27 N74-21156
Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-2] c 27 N76-32315
Polymeric foams from cross-linkable poly-n-arylenebenzimidazoles
[NASA-CASE-ARC-11008-1] c 27 N78-31232
Process for preparing thermoplastic aromatic polyimides
[NASA-CASE-LAR-11828-1] c 27 N78-32261
Curing agent for polyepoxides and epoxy resins and composites cured therewith — preventing carbon fiber release
[NASA-CASE-LEW-13226-1] c 27 N81-17260
The 1,1,1-triaryl-2,2,2-trifluoroethanes and process for their synthesis
[NASA-CASE-ARC-11097-1] c 25 N82-24312
- ARRAYS**
Radio frequency arraying method for receivers
[NASA-CASE-NPO-14328-1] c 32 N80-18253
Pyroelectric detector arrays
[NASA-CASE-LAR-12363-1] c 35 N82-31659
Pyroelectric detector arrays
[NASA-CASE-LAR-12363-2] c 33 N83-24783
- ARTERIES**
Arterial pulse wave pressure transducer
[NASA-CASE-GSC-11531-1] c 52 N74-27566
- ARTIFICIAL CLOUDS**
Barium release system
[NASA-CASE-LAR-10870-1] c 06 N73-30097
- ARTIFICIAL GRAVITY**
Rotating space station simulator Patent
[NASA-CASE-XLA-03127] c 11 N71-10776
Artificial gravity spin deployment system Patent
[NASA-CASE-XNP-02595] c 31 N71-21881
Space vehicle with artificial gravity and earth-like environment
[NASA-CASE-LEW-11101-1] c 31 N73-32750
- ARTIFICIAL SATELLITES**
Gravity gradient attitude control system Patent
[NASA-CASE-GSC-10555-1] c 21 N71-27324
- ASBESTOS**
Reconstituted asbestos matrix — for use in fuel or electrolysis cells
[NASA-CASE-MSC-12568-1] c 24 N76-14204
- ASPECT RATIO**
Variable sweep wing aircraft Patent
[NASA-CASE-XLA-00221] c 02 N70-33266
Variable-span aircraft Patent
[NASA-CASE-XLA-00166] c 02 N70-34178
Variable sweep aircraft wing Patent
[NASA-CASE-XLA-00350] c 02 N70-38011
- ASPHALT**
Thermoplastic rubber comprising ethylene-vinyl acetate copolymer, asphalt and fluiding oil
[NASA-CASE-NPO-08835-1] c 27 N78-33228
- ASSAYING**
Rapid, quantitative determination of bacteria in water — adenosine triphosphate
[NASA-CASE-GSC-12158-1] c 51 N83-27569
- ASSEMBLIES**
Multiple Belleville spring assembly Patent
[NASA-CASE-XNP-00840] c 15 N70-38225
Bearing seat usable in a gas turbine engine
[NASA-CASE-LEW-12477-1] c 37 N77-32501
Foldable beam
[NASA-CASE-LAR-12077-1] c 31 N81-25259
- Unitary seal ring assembly — cryogenic applications
[NASA-CASE-MFS-25678-1] c 37 N82-25517
- ASTRONAUT LOCOMOTION**
Rotating space station simulator Patent
[NASA-CASE-XLA-03127] c 11 N71-10776
Space suit pressure stabilizer Patent
[NASA-CASE-XLA-05332] c 05 N71-11194
Equipotential space suit Patent
[NASA-CASE-LAR-10007-1] c 05 N71-11195
Hard space suit Patent
[NASA-CASE-XAC-07043] c 05 N71-23181
Foreshortened convolute section for a pressurized suit Patent
[NASA-CASE-XMS-09637-1] c 05 N71-24730
Locomotion and restraint aid Patent
[NASA-CASE-ARC-10153] c 05 N71-28819
Walking boot assembly
[NASA-CASE-ARC-11101-1] c 54 N78-17675
Spacesuit mobility knee joints
[NASA-CASE-ARC-11058-2] c 54 N79-24651
- ASTRONAUT MANEUVERING EQUIPMENT**
Hand-held self-maneuvering unit Patent
[NASA-CASE-XMS-05304] c 05 N71-12336
Space environmental work simulator Patent
[NASA-CASE-XMF-07488] c 11 N71-18773
Personal propulsion unit Patent
[NASA-CASE-MFS-20130] c 28 N71-27585
- ASTRONAUT PERFORMANCE**
Locomotion and restraint aid Patent
[NASA-CASE-ARC-10153] c 05 N71-28619
Spacesuit mobility joints
[NASA-CASE-ARC-11058-1] c 54 N78-31735
- ASTRONAUT TRAINING**
Training vehicle for controlling attitude Patent
[NASA-CASE-XMS-02977] c 11 N71-10746
Mechanical simulator of low gravity conditions Patent
[NASA-CASE-MFS-10555] c 11 N71-19494
Subgravity simulator Patent
[NASA-CASE-XMS-04798] c 11 N71-21474
- ASTRONAUTS**
Emergency lunar communications system
[NASA-CASE-MFS-21042] c 07 N72-25171
Manual actuator — for spacecraft exercising machines
[NASA-CASE-MFS-21481-1] c 37 N74-18127
- ASTRONAVIGATION**
Guidance and maneuver analyzer Patent
[NASA-CASE-XNP-09572] c 14 N71-15621
- ASTRONOMICAL PHOTOGRAPHY**
Apparatus for photographing meteors
[NASA-CASE-LAR-10226-1] c 14 N73-19419
- ASTRONOMICAL TELESCOPES**
Solar optical telescope dome control system Patent
[NASA-CASE-MSC-10966] c 14 N71-19568
Method and apparatus for aligning a laser beam projector Patent
[NASA-CASE-NPO-11087] c 23 N71-29125
Star image motion compensator
[NASA-CASE-LAR-10523-1] c 14 N72-22444
Anastigmatic three-mirror telescope
[NASA-CASE-MFS-23675-1] c 89 N79-10969
- ASYMMETRY**
Asymmetric polyimide separation membrane and method
[NASA-CASE-NPO-15431-1] c 25 N81-29178
Method for the preparation of thin-skinned asymmetric reverse osmosis membranes and products thereof
[NASA-CASE-ARC-11359-1] c 27 N82-28444
- ATMOSPHERIC COMPOSITION**
Atmospheric sampling devices
[NASA-CASE-NPO-11373] c 13 N72-25323
Apparatus for sampling particulates in gases
[NASA-CASE-HQN-10037-1] c 14 N73-27376
Monitoring atmospheric pollutants with a heterodyne radiometer transmitter-receiver
[NASA-CASE-NPO-11819-1] c 35 N74-11284
Chelate-modified polymers for atmospheric gas chromatography
[NASA-CASE-ARC-11154-1] c 25 N80-23383
Mobile sampler for use in acquiring samples of terrestrial atmospheric gases
[NASA-CASE-NPO-15220-1] c 45 N83-25217
- ATMOSPHERIC DENSITY**
System for indicating fuel-efficient aircraft altitude
[NASA-CASE-NPO-15351-2] c 06 N83-17536
- ATMOSPHERIC ENTRY**
Flight craft Patent
[NASA-CASE-XAC-02058] c 02 N71-16087
Means for measuring the electron density gradients of the plasma sheath formed around a space vehicle Patent
[NASA-CASE-XLA-06232] c 25 N71-20563
Orbital and entry tracking accessory for globes — to provide range requirements for reentry vehicles to any landing site
[NASA-CASE-LAR-10626-1] c 19 N74-21015

ATMOSPHERIC ENTRY SIMULATION

Plasma accelerator Patent
[NASA-CASE-XLA-00675] c 25 N70-33267

Flow field simulation Patent
[NASA-CASE-LAR-11138] c 12 N71-20436

ATMOSPHERIC MOISTURE
Geodetic distance measuring apparatus
[NASA-CASE-GSC-12609-2] c 36 N83-29681

ATMOSPHERIC PHYSICS
Rocket borne instrument to measure electric fields inside electrified clouds
[NASA-CASE-KSC-10730-1] c 14 N73-32318

ATMOSPHERIC PRESSURE
Method of purifying metallurgical grade silicon employing reduced pressure atmospheric control
[NASA-CASE-NPO-14474-1] c 26 N80-14229

ATMOSPHERIC RADIATION
Method and apparatus for measuring solar activity and atmospheric radiation effects
[NASA-CASE-ERC-10276] c 14 N73-26432

ATMOSPHERIC REFRACTION
Geodetic distance measuring apparatus
[NASA-CASE-GSC-12609-1] c 36 N81-22344

ATMOSPHERIC SCATTERING
Clear air turbulence detector
[NASA-CASE-MFS-21244-1] c 36 N75-15028

ATMOSPHERIC SOUNDING
Microwave limb sounder — measuring trace gases in the upper atmosphere
[NASA-CASE-NPO-14544-1] c 46 N82-12685

Method of an apparatus for measuring temperature and pressure — remote sensing of the atmosphere
[NASA-CASE-GSC-12558-1] c 35 N82-29580

Digital control of diode laser for atmospheric spectroscopy
[NASA-CASE-NPO-16000-1] c 36 N83-24842

ATMOSPHERIC TEMPERATURE
System for indicating fuel-efficient aircraft altitude
[NASA-CASE-NPO-15351-2] c 06 N83-17536

ATMOSPHERIC TURBULENCE
Passive optical wind and turbulence detection system Patent
[NASA-CASE-XMF-14032] c 20 N71-16340

Focused laser Doppler velocimeter
[NASA-CASE-MFS-23178-1] c 35 N77-10493

ATOMIC EXCITATIONS
Means and method for calibrating a photon detector utilizing electron-photon coincidence
[NASA-CASE-NPO-15644-1] c 72 N82-24953

ATOMIZERS
Cryogenic cooling system Patent
[NASA-CASE-NPO-10467] c 23 N71-26654

Improved constant-output atomizer
[NASA-CASE-MFS-25631-1] c 34 N82-10360

ATS
Doppler frequency spread correction device for multiplex transmissions
[NASA-CASE-XGS-02749] c 07 N69-39978

ATTACHMENT
Wide temperature range electronic device with lead attachment
[NASA-CASE-ERC-10224-2] c 09 N73-27150

ATTENUATORS
Rotary vane attenuator when rotor has orthogonally disposed resistive and dielectric cards
[NASA-CASE-NPO-11418-1] c 14 N73-13420

Pulse transducer with artifact signal attenuator — heart rate sensors
[NASA-CASE-FRC-11012-1] c 52 N80-23969

ATTITUDE (INCLINATION)
Analog spatial maneuver computer
[NASA-CASE-GSC-10880-1] c 08 N72-11172

Spacecraft attitude sensor
[NASA-CASE-GSC-10890-1] c 21 N73-30640

Interferometer mirror tilt correcting system
[NASA-CASE-NPO-13687-1] c 35 N78-18391

ATTITUDE CONTROL
Visual target for retrofire attitude control
[NASA-CASE-XMS-12158-1] c 31 N69-27499

Three axis controller Patent
[NASA-CASE-XFR-00181] c 21 N70-33279

Method and apparatus for determining satellite orientation utilizing spatial energy sources Patent
[NASA-CASE-XGS-00466] c 21 N70-34297

Attitude and propellant flow control system and method Patent
[NASA-CASE-XMF-00185] c 21 N70-34539

Space vehicle attitude control Patent
[NASA-CASE-XNP-00465] c 21 N70-35395

Attitude control for spacecraft Patent
[NASA-CASE-XNP-00294] c 21 N70-36938

Attitude orientation of spin-stabilized space vehicles Patent
[NASA-CASE-XLA-00281] c 21 N70-36943

Ejection unit Patent
[NASA-CASE-XNP-00676] c 15 N70-38996

Three-axis controller Patent
[NASA-CASE-XAC-01404] c 05 N70-41581

Training vehicle for controlling attitude Patent
[NASA-CASE-XMS-02977] c 11 N71-10746

Canopus detector including automotive gain control of photomultiplier tube Patent
[NASA-CASE-XNP-03914] c 21 N71-10771

Automatic balancing device Patent
[NASA-CASE-LAR-10774] c 10 N71-13545

Spacecraft experiment pointing and attitude control system Patent
[NASA-CASE-XLA-05464] c 21 N71-14132

Attitude control system Patent
[NASA-CASE-XGS-04393] c 21 N71-14159

Control system for rocket vehicles Patent
[NASA-CASE-XLA-01163] c 21 N71-15582

Reactance control system Patent
[NASA-CASE-XMF-01598] c 21 N71-15583

Spacecraft attitude detection system by stellar reference Patent
[NASA-CASE-XGS-03431] c 21 N71-15642

Three-axis finger tip controller for switches Patent
[NASA-CASE-XAC-02405] c 09 N71-16089

Thrust and direction control apparatus Patent
[NASA-CASE-XLE-03583] c 31 N71-17629

Attitude sensor for space vehicles Patent
[NASA-CASE-XLA-00793] c 21 N71-22880

Attitude control system for sounding rockets Patent
[NASA-CASE-XGS-01654] c 31 N71-24750

Voice operated controller Patent
[NASA-CASE-XLA-04063] c 31 N71-33160

Attitude sensor
[NASA-CASE-LAR-10586-1] c 19 N74-15089

Temperature compensated digital inertial sensor — circuit for maintaining inertial element of gyroscope or accelerometer at constant position
[NASA-CASE-NPO-13044-1] c 35 N74-15094

Sun direction detection system
[NASA-CASE-NPO-13722-1] c 74 N77-22951

Thrust augmented spin recovery device
[NASA-CASE-LAR-11970-2] c 08 N81-19130

ATTITUDE GYROS
Space vehicle attitude control Patent
[NASA-CASE-XNP-00465] c 21 N70-35395

Attitude control system
[NASA-CASE-MFS-22787-1] c 15 N77-10113

ATTITUDE INDICATORS
Photosensitive device to detect bearing deviation Patent
[NASA-CASE-XNP-00438] c 21 N70-35089

Controllers Patent
[NASA-CASE-XMS-07487] c 15 N71-23255

Combined optical attitude and altitude indicating instrument Patent
[NASA-CASE-XLA-01907] c 14 N71-23268

Head-up attitude display
[NASA-CASE-ERC-10392] c 21 N73-14692

Attitude sensor
[NASA-CASE-LAR-10586-1] c 19 N74-15089

Translatory shock absorber for attitude sensors
[NASA-CASE-MFS-22905-1] c 19 N76-22284

Air speed and attitude probe
[NASA-CASE-FRC-11009-1] c 06 N80-18036

Aircraft body-axis rotation measurement system
[NASA-CASE-FRC-11043-1] c 06 N83-33882

ATTITUDE STABILITY
Dynamic precession damper for spin stabilized vehicles Patent
[NASA-CASE-XLA-01989] c 21 N70-34295

Apparatus for automatically stabilizing the attitude of a nonguided vehicle
[NASA-CASE-ARC-10134] c 30 N72-17873

Method of damping nutation motion with minimum spin axis attitude disturbance
[NASA-CASE-GSC-12551-1] c 18 N83-28064

AUDIO EQUIPMENT
Audio system with means for reducing noise effects
[NASA-CASE-NPO-11631] c 10 N73-12244

AUDIO FREQUENCIES
Signal path series step biased multidevice high efficiency amplifier Patent
[NASA-CASE-GSC-10668-1] c 07 N71-28430

Audio frequency marker system
[NASA-CASE-NPO-11147] c 14 N72-27408

AUDITORY DEFECTS
Hearing and malfunction detection system
[NASA-CASE-MSC-14916-1] c 33 N78-10375

AUDITORY PERCEPTION
Auditory display for the blind
[NASA-CASE-HON-10832-1] c 71 N74-21014

AUDITORY SIGNALS
Audio signal processor Patent
[NASA-CASE-MSC-12223-1] c 07 N71-26181

Audio system with means for reducing noise effects
[NASA-CASE-NPO-11631] c 10 N73-12244

AUDITORY STIMULI

Auditory display for the blind
[NASA-CASE-HON-10832-1] c 71 N74-21014

AUGER EFFECT
Apparatus for accurately preloading auger attachment means for frangible protective material
[NASA-CASE-MSC-18791-1] c 37 N83-36482

AUSTENITIC STAINLESS STEELS
Nickel aluminate coated low alloy stainless steel
[NASA-CASE-LEW-11267-1] c 17 N73-32414

Device for measuring the ferrite content in an austenitic stainless-steel weld
[NASA-CASE-MFS-22907-1] c 26 N76-18257

AUTOCLAVES
System for sterilizing objects — cleaning space vehicle systems
[NASA-CASE-KSC-11085-1] c 54 N81-24724

AUTOCORRELATION
Linear three-tap feedback shift register Patent
[NASA-CASE-NPO-10351] c 08 N71-12503

Correlation function apparatus Patent
[NASA-CASE-XNP-00746] c 07 N71-21476

An electro-optical Doppler tracker means and method for optical correlation of synthetic aperture radar data
[NASA-CASE-NPO-14998-1] c 33 N81-15194

AUTOMATIC CONTROL
Bus voltage compensation circuit for controlling direct current motor
[NASA-CASE-XMS-04215-1] c 09 N69-39987

Optical alignment system Patent
[NASA-CASE-XNP-02029] c 14 N70-41955

Pulsed energy power system Patent
[NASA-CASE-MSC-13112] c 03 N71-11057

Automatic balancing device Patent
[NASA-CASE-LAR-10774] c 10 N71-13545

Apparatus for welding torch angle and seam tracking control Patent
[NASA-CASE-XMF-03287] c 15 N71-15607

Leak detector Patent
[NASA-CASE-LAR-10323-1] c 12 N71-17573

Solar optical telescope dome control system Patent
[NASA-CASE-MSC-10966] c 14 N71-19568

Automatic welding speed controller Patent
[NASA-CASE-XMF-01730] c 15 N71-23050

Indexing microwave switch Patent
[NASA-CASE-XNP-06507] c 09 N71-23548

Automatic pump Patent
[NASA-CASE-XNP-04731] c 15 N71-24042

Automatic fatigue test temperature programmer Patent
[NASA-CASE-XLA-02059] c 33 N71-24276

Automatic battery charger Patent
[NASA-CASE-XNP-04758] c 03 N71-24605

Transistor servo system including a unique differential amplifier circuit Patent
[NASA-CASE-XMF-05195] c 10 N71-24861

Electron beam tube containing a multiple cathode array employing indexing means for cathode substitution Patent
[NASA-CASE-NPO-10625] c 09 N71-26182

Automatic signal range selector for metering devices Patent
[NASA-CASE-XMS-06497] c 14 N71-26244

Automated fluid chemical analyzer Patent
[NASA-CASE-XNP-09451] c 06 N71-26754

Automatic control of liquid cooling garment by cutaneous and external auditory meatus temperatures
[NASA-CASE-MSC-13917-1] c 05 N72-15098

Optimal control system for an electric motor driven vehicle
[NASA-CASE-NPO-11210] c 11 N72-20244

Automated equipotential plotter
[NASA-CASE-NPO-11134] c 09 N72-21246

Ion thruster magnetic field control
[NASA-CASE-LEW-10835-1] c 28 N72-22771

Temperature controller for a fluid cooled garment
[NASA-CASE-ARC-10599-1] c 05 N73-26071

Redundant speed control for brushless Hall effect motor
[NASA-CASE-MFS-20207-1] c 09 N73-32107

Programmable physiological infusion
[NASA-CASE-ARC-10447-1] c 52 N74-22771

Automatically operable self-leveling load table
[NASA-CASE-MFS-22039-1] c 09 N75-12968

Automatic focus control for facsimile cameras
[NASA-CASE-LAR-11213-1] c 35 N75-15014

Traffic survey system — using optical scanners
[NASA-CASE-MFS-22631-1] c 66 N76-19888

Automatic visual inspection system for microelectronics
[NASA-CASE-NPO-13282] c 38 N78-17396

Automatic fluid dispenser
[NASA-CASE-ARC-10820-1] c 35 N78-19466

Method for producing solar energy panels by automation
[NASA-CASE-LEW-12541-1] c 44 N78-25529

Circuit for automatic load sharing in parallel converter modules

[NASA-CASE-NPO-14056-1] c 33 N79-24257

Method for forming a solar array strip

[NASA-CASE-NPO-13652-3] c 44 N80-14474

Method of growing a ribbon crystal particularly suited for facilitating automated control of ribbon width

[NASA-CASE-NPO-14295-1] c 76 N80-32245

Integrated control system for a gas turbine engine

[NASA-CASE-LEW-12594-2] c 07 N81-19116

Programmable scan/read circuitry for charge coupled device imaging detectors — for a startracker

[NASA-CASE-NPO-15345-1] c 33 N81-27403

Solar energy control system — temperature measurement

[NASA-CASE-MFS-25267-1] c 44 N82-18686

Control system for an induction motor with energy recovery

[NASA-CASE-MFS-25477-1] c 33 N82-22437

Hydraulic actuator mechanism to control aircraft spoiler movements through dual input commands

[NASA-CASE-LAR-12412-1] c 08 N82-24205

Vertical shaft windmill

[NASA-CASE-LAR-12923-1] c 44 N82-29713

Automatic weld torch guidance control system

[NASA-CASE-MFS-25807] c 37 N83-20154

Automatic thermal switch — spacecraft applications

[NASA-CASE-GSC-12553-1] c 34 N83-28356

Automatic oscillator frequency control system

[NASA-CASE-GSC-12804-1] c 33 N83-35228

AUTOMATIC CONTROL VALVES

Check valve assembly for a probe Patent

[NASA-CASE-XLA-00128] c 15 N70-37925

Metal valve pintle with encapsulated elastomeric body

Patent

[NASA-CASE-MSC-12116-1] c 15 N71-17648

Semitoroidal diaphragm cavitating valve Patent

[NASA-CASE-XNP-09704] c 12 N71-18615

Valving device for automatic refilling in cryogenic liquid systems

[NASA-CASE-NPO-11177] c 15 N72-17453

Combined pressure regulator and shutoff valve

[NASA-CASE-NPO-13201-1] c 37 N75-15050

Iodine generator for reclaimed water purification

[NASA-CASE-MSC-14632-1] c 54 N78-14784

Automatic compression adjusting mechanism for internal combustion engines

[NASA-CASE-MSC-18807-1] c 37 N83-36483

AUTOMATIC FREQUENCY CONTROL

Automatic acquisition system for phase-lock loop

[NASA-CASE-XGS-04994] c 09 N69-21543

Audio signal processor Patent

[NASA-CASE-MSC-12223-1] c 07 N71-26181

Automatic frequency control loop including synchronous switching circuits

[NASA-CASE-KSC-10393] c 09 N72-21247

Self-tuning bandpass filter

[NASA-CASE-ARC-10264-1] c 09 N73-20231

AUTOMATIC GAIN CONTROL

Automatic gain control system

[NASA-CASE-XMS-05307] c 09 N69-24330

Amplifier drift tester

[NASA-CASE-XMS-05562-1] c 09 N69-39986

Self-tuning bandpass filter

[NASA-CASE-ARC-10264-1] c 09 N73-20231

Digital automatic gain amplifier

[NASA-CASE-KSC-11008-1] c 33 N79-22373

Automatic level control circuit

[NASA-CASE-KSC-11170-1] c 33 N83-36356

AUTOMATIC TEST EQUIPMENT

Visual examination apparatus

[NASA-CASE-ARC-10329-1] c 05 N73-26072

Automatic microbial transfer device

[NASA-CASE-LAR-11354-1] c 35 N75-27330

Visual examination apparatus

[US-PATENT-RE-28,921] c 52 N76-30793

Automated clinical system for chromosome analysis

[NASA-CASE-NPO-13913-1] c 52 N79-12694

Automatic flowmeter calibration system

[NASA-CASE-KSC-11076-1] c 34 N81-26402

Pressure suit joint analyzer

[NASA-CASE-ARC-11314-1] c 54 N82-26987

AUTOMATION

Automated multi-level vehicle parking system

[NASA-CASE-NPO-13058-1] c 37 N77-22480

AUTOMOBILE ENGINES

Automotive gas turbine fuel control

[NASA-CASE-LEW-12785-1] c 37 N78-24545

Controller for computer control of brushless dc motors — automobile engines

[NASA-CASE-NPO-13970-1] c 33 N81-20352

AUTOMOBILE FUELS

Hydrogen rich gas generator

[NASA-CASE-NPO-13342-2] c 44 N76-29700

AUXILIARY POWER SOURCES

Independent power generator

[NASA-CASE-LAR-11206-1] c 44 N78-32539

Electrical power generating system

[NASA-CASE-MFS-25302-1] c 33 N83-28319

AXES (REFERENCE LINES)

Moment of inertia test fixture Patent

[NASA-CASE-XGS-01023] c 14 N71-22992

Universal restrainer and joint Patent

[NASA-CASE-XNP-02278] c 15 N71-28951

Focal axis resolver for offset reflector antennas

[NASA-CASE-GSC-12630-1] c 33 N83-36355

AXES OF ROTATION

Three axis controller Patent

[NASA-CASE-XFR-00181] c 21 N70-33279

Proportional controller Patent

[NASA-CASE-XAC-03392] c 03 N70-41954

Trigonometric vehicle guidance assembly which aligns the three perpendicular axes of two three-axes systems

Patent

[NASA-CASE-XMF-00684] c 21 N71-21688

Controllers Patent

[NASA-CASE-XMS-07487] c 15 N71-23255

Centrifugal-reciprocating compressor

[NASA-CASE-NPO-14597-2] c 37 N83-29708

Aircraft body-axis rotation measurement system

[NASA-CASE-FRC-11043-1] c 06 N83-33882

AXIAL COMPRESSION LOADS

Impact monitoring apparatus

[NASA-CASE-MSC-15628-1] c 14 N72-25411

Compression test apparatus

[NASA-CASE-MSC-18723-1] c 35 N83-21312

AXIAL FLOW TURBINES

Multi-stage multiple-reentry turbine Patent

[NASA-CASE-XLE-00170] c 15 N70-36412

Multi-stage multiple-reentry turbine Patent

[NASA-CASE-XLE-00085] c 28 N70-39895

Method and turbine for extracting kinetic energy from a stream of two-phase fluid

[NASA-CASE-NPO-14130-1] c 34 N79-20335

AXIAL LOADS

Locking device with rolling detents Patent

[NASA-CASE-XMF-01371] c 15 N70-41829

Method for measuring biaxial stress in a body subjected to stress inducing loads

[NASA-CASE-MFS-23299-1] c 39 N77-28511

AXIAL STRESS

Axially and radially controllable magnetic bearing

[NASA-CASE-GSC-11551-1] c 37 N76-18459

Method for measuring biaxial stress in a body subjected to stress inducing loads

[NASA-CASE-MFS-23299-1] c 39 N77-28511

AZIMUTH

Optical tracking mount Patent

[NASA-CASE-MFS-14017] c 14 N71-26627

Long range laser traversing system

[NASA-CASE-GSC-11262-1] c 36 N74-21091

Magnetic heading reference

[NASA-CASE-LAR-11387-2] c 04 N77-19056

A pipelined digital SAR azimuth correlator using hybrid FFT/transversal filter

[NASA-CASE-NPO-15519-1] c 32 N82-12298

Aircraft body-axis rotation measurement system

[NASA-CASE-FRC-11043-1] c 06 N83-33882

AZINES

Azine polymers and process for preparing the same

Patent

[NASA-CASE-XMF-08656] c 06 N71-11242

Ultraviolet and thermally stable polymer compositions

[NASA-CASE-ARC-10592-1] c 27 N74-21156

Ultraviolet and thermally stable polymer compositions

[NASA-CASE-ARC-10592-2] c 27 N76-32315

Catalytic imization of aromatic nitriles and triaryl-s-thiazine ring cross-linked high temperature resistant polymers and copolymers made thereby

[NASA-CASE-LEW-12063-2] c 27 N79-28307

Perfluoroalkyl polytriazines containing pendent iododifluoromethyl groups

[NASA-CASE-ARC-11241-1] c 25 N81-14016

Process for the preparation of fluorine containing crosslinked elastomeric polytriazine and product so produced

[NASA-CASE-ARC-11248-1] c 27 N81-17259

Improved process for preparing perfluorotriazine elastomers and precursors thereof

[NASA-CASE-ARC-11402-1] c 27 N82-26462

AZO COMPOUNDS

Molding process for imidazopyrrolone polymers

[NASA-CASE-LAR-10547-1] c 31 N74-13177

B

BACK INJURIES

Spine immobilization apparatus

[NASA-CASE-ARC-11167-1] c 52 N81-25662

BACKGROUND NOISE

Electronic background suppression method and apparatus for a field scanning sensor

[NASA-CASE-XGS-05211] c 07 N69-39980

BACKGROUND RADIATION

Method and apparatus for background signal reduction in opto-acoustic absorption measurement

[NASA-CASE-NPO-13683-1] c 35 N77-14411

BACKSCATTERING

Method and apparatus for determining electromagnetic characteristics of large surface area passive reflectors

Patent

[NASA-CASE-XGS-02608] c 07 N70-41678

Mossbauer spectrometer radiation detector

[NASA-CASE-LAR-11155-1] c 35 N74-15091

BACKUPS

Flexible back-up bar Patent

[NASA-CASE-XMF-00722] c 15 N70-40204

Inherent redundancy electric heater

[NASA-CASE-MFS-21462-1] c 33 N74-14935

BACKWARD WAVES

Ladder supported ring bar circuit

[NASA-CASE-LEW-13570-1] c 33 N81-24348

Dielectric based submillimeter backward wave oscillator circuit

[NASA-CASE-LEW-13736-1] c 33 N83-17802

BACTERIA

Decontamination of petroleum products Patent

[NASA-CASE-XNP-03835] c 06 N71-23499

Bacterial contamination monitor

[NASA-CASE-GSC-10879-1] c 14 N72-25413

Method of detecting and counting bacteria in body fluids

[NASA-CASE-GSC-11092-2] c 04 N73-27052

Lyophilized spore dispenser

[NASA-CASE-LAR-10544-1] c 37 N74-13178

Method of detecting and counting bacteria

[NASA-CASE-GSC-11017-2] c 51 N76-29891

Determination of antimicrobial susceptibilities on infected unres without isolation

[NASA-CASE-GSC-12046-1] c 52 N79-14750

Method and apparatus for eliminating luminal interference material

[NASA-CASE-MSC-16260-1] c 51 N80-16714

Rapid, quantitative determination of bacteria in water — adenosine triphosphate

[NASA-CASE-GSC-12158-1] c 51 N83-27569

BACTERIOLOGY

Bacteria detection instrument and method

[NASA-CASE-GSC-11533-1] c 14 N73-13435

Application of luciferase assay for ATP to antimicrobial drug susceptibility

[NASA-CASE-GSC-12039-1] c 51 N77-22794

Automated single-slide staining device

[NASA-CASE-LAR-11649-1] c 51 N77-27677

BAFFLES

Light radiation direction indicator with a baffle of two parallel grids

[NASA-CASE-XNP-03930] c 14 N69-24331

Anti-glare improvement for optical imaging systems

Patent

[NASA-CASE-NPO-10337] c 14 N71-15604

Flexible ring slosh damping baffle Patent

[NASA-CASE-LAR-10317-1] c 32 N71-16103

Buoyant anti-slosh system Patent

[NASA-CASE-XLA-04605] c 32 N71-16106

Floating baffle to improve efficiency of liquid transfer from tanks

[NASA-CASE-KSC-10639] c 15 N73-26472

System for the measurement of ultra-low stray light levels — determining the adequacy of large space telescope systems

[NASA-CASE-MFS-23513-1] c 74 N79-11865

BAGS

Relief container

[NASA-CASE-XMS-06761] c 05 N69-23192

Gas diffusion liquid storage bag and method of use for storing blood

[NASA-CASE-NPO-13930-1] c 52 N79-14749

BAKING

Bakeable McLeod gauge

[NASA-CASE-XGS-01293-1] c 35 N79-33450

- Lift balancing device
[NASA-CASE-LAR-10348-1] c 11 N73-12264
- BALL BEARINGS**
Two component bearing Patent
[NASA-CASE-XLA-00013] c 15 N71-29136
High speed rolling element bearing
[NASA-CASE-LEW-10856-1] c 15 N72-22490
Low mass rolling element for bearings
[NASA-CASE-LEW-11087-1] c 15 N73-30458
Hollow rolling element bearings
[NASA-CASE-LEW-11087-3] c 37 N74-21064
Drilled ball bearing with a one piece anti-tipping cage assembly
[NASA-CASE-LEW-11925-1] c 37 N75-31446
Spherical bearing — to reduce vibration effects
[NASA-CASE-MFS-23447-1] c 37 N79-11404
Apparatus and method for inspecting a bearing ball — eddy current inspection technique
[NASA-CASE-MFS-25833-1] c 35 N83-21316
- BALLAST (MASS)**
Life raft stabilizer
[NASA-CASE-MSC-12393-1] c 02 N73-26006
- BALLASTS (IMPEDANCES)**
Apparatus for ballasting high frequency transistors
[NASA-CASE-XGS-05003] c 09 N69-24318
Direct current ballast circuit for metal halide lamp
[NASA-CASE-MSC-18407-1] c 33 N82-24427
- BALLISTICS**
Fiber modified polyurethane foam for ballistic protection
[NASA-CASE-ARC-10714-1] c 27 N76-15310
- BALLOON SOUNDING**
Apparatus for controlling the temperature of balloon-borne equipment
[NASA-CASE-GSC-11820-1] c 34 N74-23039
- BALLOONS**
Hot air balloon deceleration and recovery system Patent
[NASA-CASE-XLA-06824-2] c 02 N71-11037
Inflation system for balloon type satellites Patent
[NASA-CASE-XGS-03351] c 31 N71-16081
System for stabilizing torque between a balloon and gondola
[NASA-CASE-GSC-11077-1] c 02 N73-13008
- BALLS**
Two-axis controller Patent
[NASA-CASE-XFR-04104] c 03 N70-42073
Quartz ball valve
[NASA-CASE-NPO-14473-1] c 37 N80-23654
- BANDPASS FILTERS**
Helical coaxial resonator RF filter
[NASA-CASE-XGS-02816] c 07 N69-24323
Compensating bandwidth switching transients in an amplifier circuit Patent
[NASA-CASE-XNP-01107] c 10 N71-28859
Signal-to-noise ratio determination circuit
[NASA-CASE-GSC-11239-1] c 10 N73-25241
High-Q bandpass resonators utilizing bandstop resonator pairs
[NASA-CASE-GSC-10990-1] c 09 N73-26195
Dichroic plate — as bandpass filters
[NASA-CASE-NPO-13506-1] c 35 N76-15435
Notch filter
[NASA-CASE-MFS-23303-1] c 32 N77-18307
Adaptive polarization separation
[NASA-CASE-LAR-12196-1] c 33 N81-26358
Tuned analog network — bandpass filter networks
[NASA-CASE-GSC-12650-1] c 33 N82-10324
Smoothing filter for digital to analog conversion
[NASA-CASE-FRC-11025-1] c 33 N82-24417
Reactanceless bandpass amplifier
[NASA-CASE-GSC-12788-1] c 33 N83-12333
- BANDWIDTH**
Narrow bandwidth video Patent
[NASA-CASE-XMS-06740-1] c 07 N71-26579
Self-tuning bandpass filter
[NASA-CASE-ARC-10264-1] c 09 N73-20231
Turnstile and flared cone UHF antenna
[NASA-CASE-LAR-10970-1] c 33 N76-14372
Independent gain and bandwidth control of a traveling wave maser
[NASA-CASE-NPO-13801-1] c 36 N76-18410
Inductorless narrow-band filter/amplifier
[NASA-CASE-GSC-12410-1] c 33 N79-24260
Dual band combiner for horn antenna
[NASA-CASE-NPO-14519-1] c 32 N80-23524
- BARIUM**
Barium release system
[NASA-CASE-LAR-10670-1] c 06 N73-30097
- BARIUM COMPOUNDS**
Ion thruster cathode
[NASA-CASE-XLE-07087] c 06 N69-39889
- BARIUM FLUORIDES**
Method of making self lubricating fluoride-metal composite materials Patent
[NASA-CASE-XLE-08511-2] c 18 N71-16105

BARIUM ION CLOUDS

- Rocket having barium release system to create ion clouds in the upper atmosphere
[NASA-CASE-LAR-10670-2] c 15 N74-27360

BARIUM TITANATES

- Semiconductor-ferroelectric memory device
[NASA-CASE-ERC-10307] c 08 N72-21198

BARRIER LAYERS

- Schottky barrier solar cell
[NASA-CASE-NPO-13689-2] c 44 N81-29525
Submillimeter wave Schottky barrier diode with low series resistance and low noise
[NASA-CASE-NPO-15935-1] c 33 N83-12334

BARRIERS

- Short range laser obstacle detector — for surface vehicles using laser diode array
[NASA-CASE-NPO-11856-1] c 36 N74-15145

BARS

- Satellite retrieval system
[NASA-CASE-MFS-25403-1] c 18 N83-29303

BASES (CHEMICAL)

- Thermal control coating Patent
[NASA-CASE-XLA-01995] c 18 N71-23047

BATTERY CHARGERS

- Method and apparatus for battery charge control Patent
[NASA-CASE-XGS-05432] c 03 N71-19438
Electrochemical coulometer and method of forming same Patent
[NASA-CASE-XGS-05434] c 03 N71-20491
Coulometer and third electrode battery charging circuit Patent
[NASA-CASE-GSC-10487-1] c 03 N71-24719

- Method and apparatus for conditioning of nickel-cadmium batteries
[NASA-CASE-MFS-23270-1] c 44 N78-25531

BAYARD-ALPERT IONIZATION GAGES

- Ionization vacuum gauge with all but the end of the ion collector shielded Patent
[NASA-CASE-XLA-07424] c 14 N71-18482

BEADS

- Rotary bead dropper and selector for testing micrometeorite detectors Patent
[NASA-CASE-XGS-03304] c 09 N71-22988

BEAM LEADS

- Integrated circuit package with lead structure and method of preparing the same
[NASA-CASE-MFS-21374-1] c 33 N74-12951

BEAM SPLITTERS

- Optical range finder having nonoverlapping complete images
[NASA-CASE-MSC-12105-1] c 14 N72-21409
Laser extensometer
[NASA-CASE-MFS-19259-1] c 36 N78-14380
Over-under double-pass interferometer
[NASA-CASE-NPO-13999-1] c 35 N78-18395
Method and apparatus for splitting a beam of energy — optical communication
[NASA-CASE-GSC-12083-1] c 73 N78-32848
Interferometer
[NASA-CASE-NPO-14502-1] c 74 N81-17888
Collimated beam manifold with the number of output beams variable at a given output angle
[NASA-CASE-MFS-25312-1] c 74 N83-17305
Dual-beam skin friction interferometer
[NASA-CASE-ARC-11354-1] c 74 N83-21949
High speed multi focal plane optical system
[NASA-CASE-GSC-12683-1] c 74 N83-36898

BEAM SWITCHING

- Electronic beam switching commutator Patent
[NASA-CASE-GSC-01451] c 09 N71-10677
Antenna array at focal plane of reflector with coupling network for beam switching Patent
[NASA-CASE-GSC-10220-1] c 07 N71-27233
Dish antenna having switchable beamwidth — with truncated concave ellipsoid subreflector
[NASA-CASE-GSC-11760-1] c 33 N75-19516
Single frequency, two feed dish antenna having switchable beamwidth
[NASA-CASE-GSC-11968-1] c 32 N76-15329
Switchable beamwidth monopulse method and system
[NASA-CASE-GSC-11924-1] c 33 N76-27472

BEAM WAVEGUIDES

- Laser machining apparatus Patent
[NASA-CASE-HQN-10541-2] c 15 N71-27135
Optical frequency waveguide and transmission system Patent
[NASA-CASE-HQN-10541-4] c 16 N71-27183
Method and apparatus for aligning a laser beam projector Patent
[NASA-CASE-NPO-11087] c 23 N71-29125
Microwave power transmission beam safety system
[NASA-CASE-NPO-14224-1] c 33 N80-18287
Multiprism collimator
[NASA-CASE-GSC-12608-1] c 74 N83-10900

BEAMS (RADIATION)

- Method and means for recording and reconstructing holograms without use of a reference beam Patent
[NASA-CASE-ERC-10020] c 16 N71-26154
Optical frequency waveguide and transmission system
[NASA-CASE-HQN-10541-3] c 23 N72-23695
Method and apparatus for Doppler frequency modulation of radiation
[NASA-CASE-NPO-14524-1] c 32 N80-24510
Scannable beam forming interferometer antenna array system
[NASA-CASE-GSC-12365-1] c 32 N80-28578
Off-axis coherently pumped laser
[NASA-CASE-GSC-12592-1] c 36 N81-12407
Method for shaping and aiming narrow beams — sonar mapping and target identification
[NASA-CASE-NPO-14632-1] c 32 N82-18443
Constant magnification optical tracking system
[NASA-CASE-NPO-14813-1] c 74 N82-24072
Sidelooking laser altimeter for a flight simulator
[NASA-CASE-ARC-11312-1] c 36 N83-34304

BEAMS (SUPPORTS)

- Foldable beam
[NASA-CASE-LAR-12077-1] c 31 N81-25259
Articulated joint for deployable structures
[NASA-CASE-NPO-16038-1] c 37 N83-20157
Beam connector apparatus and assembly
[NASA-CASE-MFS-25134-1] c 31 N83-31895
Sequentially deployable maneuverable tetrahedral beam
[NASA-CASE-LAR-13098-1] c 31 N83-35178

BEARING (DIRECTION)

- Light radiation direction indicator with a baffle of two parallel grids
[NASA-CASE-XNP-03930] c 14 N69-24331
Radiation direction detector including means for compensating for photocell aging Patent
[NASA-CASE-XLA-00183] c 14 N70-40239
Interferometer direction sensor Patent
[NASA-CASE-NPO-10320] c 14 N71-17655
Omnidirectional acceleration device Patent
[NASA-CASE-HQN-10780] c 14 N71-30265
Magnetic heading reference
[NASA-CASE-LAR-11387-2] c 04 N77-19056
Direction sensitive laser velocimeter — determining the direction of particles using a helium-neon laser
[NASA-CASE-LAR-12177-1] c 36 N81-24422
System for providing an integrated display of instantaneous information relative to aircraft attitude, heading, altitude, and horizontal situation
[NASA-CASE-FRC-11005-1] c 06 N82-16075

BEARINGS

- Alloys for bearings Patent
[NASA-CASE-XLE-05033] c 15 N71-23810
Bearing and gimbal lock mechanism and spiral flex lead module Patent
[NASA-CASE-GSC-10556-1] c 31 N71-26537
Device for measuring bearing preload
[NASA-CASE-MFS-20434] c 11 N72-25288
Magnetic bearing — for supplying magnetic fluxes
[NASA-CASE-GSC-11079-1] c 37 N75-18574
Magnetic bearing system
[NASA-CASE-GSC-11978-1] c 37 N77-17464
Hydrostatic bearing support
[NASA-CASE-LEW-11158-1] c 37 N77-28486
Deformable bearing seat
[NASA-CASE-LEW-12527-1] c 37 N77-32500
Bearing seat usable in a gas turbine engine
[NASA-CASE-LEW-12477-1] c 37 N77-32501
Method of making bearing material
[NASA-CASE-LEW-11930-3] c 24 N80-33482
Linear magnetic bearings — active magnetic suspension of armatures
[NASA-CASE-GSC-12582-1] c 37 N81-16469
Unidirectional flexural pivot
[NASA-CASE-GSC-12622-1] c 37 N81-22359
Suspension system for a wheel rolling on a flat track — bearings for directional antennas
[NASA-CASE-NPO-14395-1] c 37 N82-21587
Linear magnetic bearings
[NASA-CASE-GSC-12582-2] c 37 N83-13460
Variable force, eddy-current or magnetic damper
[NASA-CASE-LEW-13717-1] c 39 N83-20284
Portable 90 deg proof loading device
[NASA-CASE-MSC-20250-1] c 37 N83-29707
Antenna grout replacement system
[NASA-CASE-NPO-15202-1] c 27 N83-34043
Magnetic bearing and motor
[NASA-CASE-GSC-12726-1] c 37 N83-34323
- BEDS (PROCESS ENGINEERING)**
Catalyst bed removing tool Patent
[NASA-CASE-XFR-00811] c 15 N70-36901
- BEER LAW**
A multichannel photoionization chamber for absorption analysis Patent
[NASA-CASE-ERC-10044-1] c 14 N71-27090

BEES

Decontamination of petroleum products Patent
[NASA-CASE-XNP-03835] c 06 N71-23499

BELLINGS

Balanced bellows spirometer
[NASA-CASE-XAR-01547] c 05 N69-21473
Printed circuit board with bellows rivet connection
Patent
[NASA-CASE-XNP-05082] c 15 N70-41960
Spherical shield Patent
[NASA-CASE-XNP-01855] c 15 N71-28937
Internally supported flexible duct joint --- device for
conducting fluids in high pressure systems
[NASA-CASE-MFS-19193-1] c 37 N75-19686

BELTS

Apparatus for forming drive belts
[NASA-CASE-NPO-13205-1] c 31 N74-32917

BENDING

Radio frequency shielded enclosure Patent
[NASA-CASE-XMF-09422] c 07 N71-19438
Means for suppressing or attenuating bending motion
of elastic bodies Patent
[NASA-CASE-XAC-05632] c 32 N71-23971
Technique of elbow bending small jacketed transfer lines
Patent
[NASA-CASE-XNP-10475] c 15 N71-24679
Forming tool for ribbon or wire
[NASA-CASE-XLA-05966] c 15 N72-12408

BENDING DIAGRAMS

Electrostatic charged particle analyzer having deflection
members shaped according to the periodic voltage applied
thereto Patent
[NASA-CASE-XAC-05506-1] c 24 N71-16095

BENDING FATIGUE

Apparatus for positioning and loading a test specimen
Patent
[NASA-CASE-XLE-01300] c 15 N70-41993
Low temperature flexure fatigue cryostat Patent
[NASA-CASE-XMF-02964] c 14 N71-17659

BENDING MOMENTS

Missile launch release system Patent
[NASA-CASE-XMF-03198] c 30 N70-40353

BENDING VIBRATION

Viscous pendulum damper Patent
[NASA-CASE-LAR-10274-1] c 14 N71-17626

BENZENE

Intumescent composition, foamed product prepared
therewith, and process for making same
[NASA-CASE-ARC-10304-1] c 18 N73-26572
Cerenkov radiator material and charged particle
detection process
[NASA-CASE-GSC-12805-1] c 72 N83-18423
The 1 - (dialkoxypolyphosphoryl)methyl -2,4- and -2,6-
dinitro- and diamino benzenes and their derivatives
[NASA-CASE-ARC-11425-1] c 23 N83-28076

BERYLLIUM ALLOYS

Corrosion resistant beryllium Patent
[NASA-CASE-LEW-10327] c 17 N71-33408
Thin film strain transducer --- for strain monitoring of
high altitude balloons
[NASA-CASE-WLP-10055-1] c 35 N82-26632

BERYLLIUM HYDRIDES

Inhibited solid propellant composition containing
beryllium hydride
[NASA-CASE-NPO-10866-1] c 28 N78-14228

BERYLLIUM OXIDES

High temperature beryllium oxide capacitor
[NASA-CASE-LEW-11938-1] c 33 N76-15373
High modulus invert analog glass compositions
containing beryllia
[NASA-CASE-HQN-10931-2] c 27 N82-29452
High modulus rare earth and beryllium containing silicate
glass compositions --- for glass reinforcing fibers
[NASA-CASE-HQN-10595-1] c 27 N82-29455

BIAS

Electrical self-aligning connector
[NASA-CASE-MFS-25211-1] c 33 N80-32651

BIMETALS

Nonmagnetic thermal motor for a magnetometer
[NASA-CASE-XAR-03786] c 09 N69-21313
Thermostatic actuator
[NASA-CASE-NPO-10637] c 15 N72-12409
Thermal motor
[NASA-CASE-NPO-11283] c 09 N72-25260
Thermal compensating structural member
[NASA-CASE-MFS-20433] c 15 N72-28496
Bimetallic fluid displacement apparatus --- for stirring
and heating stored gases and liquids
[NASA-CASE-ARC-10441-1] c 35 N74-15126
Thermocouples of tantalum and rhenium alloys for more
stable vacuum-high temperature performance
[NASA-CASE-LEW-12050-1] c 35 N77-32454

BINARY CODES

Time division radio relay synchronizing system using
different sync code words for in sync and out of sync
conditions Patent
[NASA-CASE-GSC-10373-1] c 07 N71-19773
Parallel generation of the check bits of a PN sequence
Patent
[NASA-CASE-XNP-04823] c 10 N71-26103
Encoder/decoder system for a rapidly synchronizable
binary code Patent
[NASA-CASE-NPO-10342] c 10 N71-33407
Binary coded sequential acquisition ranging system
[NASA-CASE-NPO-11194] c 08 N72-25209
Binary concatenated coding system
[NASA-CASE-MSC-14082-1] c 60 N76-23850
Multiple rate digital command detection system with
range clean-up capability
[NASA-CASE-NPO-13753-1] c 32 N77-20289
Pseudo noise code and data transmission method and
apparatus
[NASA-CASE-GSC-12017-1] c 32 N77-30308
Binary to binary coded decimal converter
[NASA-CASE-GSC-12044-1] c 60 N78-17691
Apparatus and method for stabilized phase detection
for binary signal tracking loops
[NASA-CASE-MSC-18461-1] c 33 N79-11313

BINARY DATA

Binary magnetic memory device Patent
[NASA-CASE-XGS-00174] c 08 N70-34743
Ripple add and ripple subtract binary counters Patent
[NASA-CASE-XGS-04786] c 08 N71-18602
Computing apparatus Patent
[NASA-CASE-XGS-04785] c 08 N71-18693
Digital synchronizer Patent
[NASA-CASE-NPO-10851] c 07 N71-24613
Differential phase shift keyed communication system
[NASA-CASE-MSC-14085-1] c 32 N74-26654
Modulator for tone and binary signals --- phase of
modulation of tone and binary signals on carrier waves
in communication systems
[NASA-CASE-GSC-11743-1] c 32 N75-24981
Binary to binary coded decimal converter
[NASA-CASE-GSC-12044-1] c 60 N78-17691

BINARY DIGITS

Logarithmic converter Patent
[NASA-CASE-XLA-00471] c 08 N70-34778
Full binary adder Patent
[NASA-CASE-XGS-00689] c 08 N70-34787
Binary number sorter Patent
[NASA-CASE-NPO-10112] c 08 N71-12502
Binary sequence detector Patent
[NASA-CASE-XNP-05415] c 08 N71-12505
Display for binary characters Patent
[NASA-CASE-XGS-04987] c 08 N71-20571
Comparator for the comparison of two binary numbers
Patent
[NASA-CASE-XNP-04819] c 08 N71-23295
High speed direct binary to binary coded decimal
converter and scaler
[NASA-CASE-KSC-10595] c 08 N73-12176
A m-ary linear feedback shift register with binary logic
[NASA-CASE-NPO-11868] c 10 N73-20254
Binary concatenated coding system
[NASA-CASE-MSC-14082-1] c 60 N76-23850

BINARY FLUIDS

Flow measuring apparatus
[NASA-CASE-LEW-12078-1] c 35 N75-30503

BINARY TO DECIMAL CONVERTERS

Binary to binary-coded-decimal converter Patent
[NASA-CASE-XNP-00432] c 08 N70-35423
High speed binary to decimal conversion system
Patent
[NASA-CASE-XGS-01230] c 08 N71-19544
BCD to decimal decoder Patent
[NASA-CASE-XKS-06167] c 08 N71-24890
High speed direct binary-to-binary coded decimal
converter
[NASA-CASE-KSC-10326] c 08 N72-21197
Binary to binary coded decimal converter
[NASA-CASE-GSC-12044-1] c 60 N78-17691

BINDERS (MATERIALS)

Bonded solid lubricant coating Patent
[NASA-CASE-XMS-00259] c 18 N70-36400
Brazing alloy binder
[NASA-CASE-XMF-05868] c 26 N75-27125
Alkali-metal silicate binders and methods of
manufacture
[NASA-CASE-GSC-12303-1] c 24 N79-31347

BINOCULARS

Binocular device for displaying numerical information in
field of view
[NASA-CASE-LAR-11782-1] c 74 N77-20882

BIOASSAY

Apparatus for producing three-dimensional recordings
of fluorescence spectra Patent
[NASA-CASE-XGS-01231] c 14 N70-41676

Flavin coenzyme assay
[NASA-CASE-GSC-10565-1] c 06 N72-25149
Method of detecting and counting bacteria in body
fluids
[NASA-CASE-GSC-11092-2] c 04 N73-27052
Amino acid analysis
[NASA-CASE-NPO-12130-1] c 25 N75-14844
Servo-controlled intravital microscope system
[NASA-CASE-NPO-13214-1] c 35 N75-25123
Method of detecting and counting bacteria
[NASA-CASE-GSC-11917-2] c 51 N76-29891
Automated clinical system for chromosome analysis
[NASA-CASE-NPO-13913-1] c 52 N79-12694
Determination of antimicrobial susceptibilities on
infected urines without isolation
[NASA-CASE-GSC-12048-1] c 52 N79-14750
Method and apparatus for eliminating luminol
interference material
[NASA-CASE-MSC-16260-1] c 51 N80-16714

BIODYNAMICS

Prosthesis coupling
[NASA-CASE-KSC-11069-1] c 52 N79-26772
Kinesimetric method and apparatus
[NASA-CASE-MSC-18929-1] c 39 N83-20280

BIOELECTRIC POTENTIAL

Electrode for biological recording
[NASA-CASE-XMS-02872] c 05 N69-21925
Method of making a perspiration resistant biopotential
electrode
[NASA-CASE-MSC-90153-2] c 05 N72-25120
Process for control of cell division
[NASA-CASE-LAR-10773-3] c 51 N77-25769

BIOELECTRICITY

Plated electrodes Patent
[NASA-CASE-XMS-04213-1] c 09 N71-26002
Indirect microbial detection
[NASA-CASE-LAR-12520-1] c 51 N81-28698

BIOENGINEERING

Bio-isolated dc operational amplifier --- for bioelectric
measurements
[NASA-CASE-ARC-10596-1] c 33 N74-21851
Actuator device for artificial leg
[NASA-CASE-MFS-23225-1] c 52 N77-14735
Percutaneous connector device
[NASA-CASE-KSC-10849-1] c 52 N77-14738
Prosthesis coupling
[NASA-CASE-KSC-11069-1] c 52 N79-26772
Subcutaneous electrode structure
[NASA-CASE-ARC-11117-1] c 52 N81-14612
Urine collection device
[NASA-CASE-MSC-16433-1] c 52 N81-24711
Low X-ray absorption aneurysm clips
[NASA-CASE-LAR-12650-1] c 52 N81-29768
Prosthetic occlusive device for an internal
passageway
[NASA-CASE-MFS-25640-1] c 52 N82-26962
Bio-medical flow sensor --- intravenous procedures
[NASA-CASE-MSC-18761-1] c 52 N83-27577

BIOINSTRUMENTATION

Temperature compensated solid state differential
amplifier Patent
[NASA-CASE-XAC-00435] c 09 N70-35440
Electrode construction Patent
[NASA-CASE-ARC-10043-1] c 05 N71-11193
Pressed disc type sensing electrodes with ion-screening
means Patent
[NASA-CASE-XMS-04212-1] c 05 N71-12346
EEG sleep analyzer and method of operation Patent
[NASA-CASE-MSC-13282-1] c 05 N71-24729
Plated electrodes Patent
[NASA-CASE-XMS-04213-1] c 09 N71-26002
Ultrasonic biomedical measuring and recording
apparatus --- for recording motion of internal organs such
as heart valves
[NASA-CASE-ARC-10597-1] c 52 N74-20726
Subminiature insertable force transducer --- including a
strain gage to measure forces in muscles
[NASA-CASE-NPO-13423-1] c 33 N75-31329
Catheter tip force transducer for cardiovascular
research
[NASA-CASE-NPO-13843-1] c 52 N76-29896
Biomedical ultrasonoscope
[NASA-CASE-ARC-10994-1] c 52 N76-33835
Thermistor holder for skin temperature measurements
[NASA-CASE-ARC-10855-1] c 52 N77-10780
Magnetic electrical connectors for biomedical
percutaneous implants
[NASA-CASE-KSC-11030-1] c 52 N77-25772
Corneal seal device
[NASA-CASE-LEW-12258-1] c 52 N77-28716
Snap-in compressible biomedical electrode
[NASA-CASE-MSC-14623-1] c 52 N77-28717
Miniature implantable ultrasonic echosonometer
[NASA-CASE-ARC-11035-1] c 52 N79-18580
Induction powered biological radiosonde
[NASA-CASE-ARC-11120-1] c 52 N80-18691

- Pulse transducer with artifact signal attenuator — heart rate sensors
[NASA-CASE-FRC-11012-1] c 52 N80-23969
Method and automated apparatus for detecting coliform organisms
[NASA-CASE-MSC-18777-1] c 51 N80-27067
Simultaneous muscle force and displacement transducer
[NASA-CASE-NPO-14212-1] c 52 N80-27072
Non-invasive method and apparatus for measuring pressure within a pliable vessel
[NASA-CASE-ARC-11264-1] c 52 N81-33804
Logic-controlled occlusive cuff system
[NASA-CASE-MSC-14836-1] c 52 N82-11770
Implantable electrical device
[NASA-CASE-GSC-12560-1] c 52 N82-29863
Dual physiological rate measurement instrument
[NASA-CASE-MSC-20078-1] c 52 N82-32971
- BIOLUMINESCENCE**
Light detection instrument Patent
[NASA-CASE-XGS-05534] c 23 N71-16355
Lyophilized reaction mixtures Patent
[NASA-CASE-XGS-05532] c 06 N71-17705
Application of luciferase assay for ATP to antimicrobial drug susceptibility
[NASA-CASE-GSC-12039-1] c 51 N77-22794
Rapid, quantitative determination of bacteria in water — adenosine triphosphate
[NASA-CASE-GSC-12158-1] c 51 N83-27569
- BIOMASS ENERGY PRODUCTION**
Fluidized bed liquefaction of biomass
[NASA-CASE-NPO-15907-1] c 25 N83-36121
- BIOMEDICAL DATA**
Biomedical radiation detecting probe Patent
[NASA-CASE-XMS-01177] c 05 N71-19440
Biomedical ultrasonoscope
[NASA-CASE-ARC-10994-2] c 52 N79-26771
- BIOMETRICS**
Pressed disc type sensing electrodes with ion-screening means Patent
[NASA-CASE-XMS-04212-1] c 05 N71-12346
Compressible biomedical electrode
[NASA-CASE-MSC-13648] c 05 N72-27103
Ultrasonic biomedical measuring and recording apparatus — for recording motion of internal organs such as heart valves
[NASA-CASE-ARC-10597-1] c 52 N74-20726
Arterial pulse wave pressure transducer
[NASA-CASE-GSC-11531-1] c 52 N74-27566
Biomedical ultrasonoscope
[NASA-CASE-ARC-10994-1] c 52 N76-33835
Miniature implantable ultrasonic echosonometer
[NASA-CASE-ARC-11035-1] c 52 N79-18580
Biomedical ultrasonoscope
[NASA-CASE-ARC-10994-2] c 52 N79-26771
Simultaneous muscle force and displacement transducer
[NASA-CASE-NPO-14212-1] c 52 N80-27072
Multifunctional transducer
[NASA-CASE-NPO-14329-1] c 52 N81-20703
Sweat collection capsule
[NASA-CASE-ARC-11031-1] c 52 N81-29783
Non-invasive method and apparatus for measuring pressure within a pliable vessel
[NASA-CASE-ARC-11264-1] c 52 N81-33804
- BIOTELEMETRY**
Telemeter adaptable for implanting in an animal Patent
[NASA-CASE-XAC-05706] c 05 N71-12342
Miniature multichannel biotelemeter system
[NASA-CASE-NPO-13065-1] c 52 N74-26825
Medical subject monitoring systems — multichannel monitoring systems
[NASA-CASE-MSC-14180-1] c 52 N76-14757
Accelerometer telemetry system
[NASA-CASE-ARC-10849-1] c 17 N76-29347
Miniature ingestible telemeter devices to measure deep-body temperature
[NASA-CASE-ARC-10583-1] c 52 N76-29894
- BIPOLAR TRANSISTORS**
Voltage regulator for battery power source — using a bipolar transistor
[NASA-CASE-FRC-10116-1] c 33 N79-23345
Power converter
[NASA-CASE-FRC-11014-1] c 33 N82-18494
- BIREFRINGENCE**
Polarimeter for transient measurement Patent
[NASA-CASE-XNP-08883] c 23 N71-16101
- BISMUTH**
Manganese bismuth films with narrow transfer characteristics for Curie-point switching
[NASA-CASE-NPO-11336-1] c 76 N79-16878
- BISMUTH COMPOUNDS**
Hall effect magnetometer
[NASA-CASE-LEW-11632-2] c 35 N75-13213

BISTABLE CIRCUITS

- AC logic flip-flop circuits Patent
[NASA-CASE-XGS-00823] c 10 N71-15910
- BIT SYNCHRONIZATION**
Telemetry word forming unit
[NASA-CASE-XNP-09225] c 09 N69-24333
Transition tracking bit synchronization system
[NASA-CASE-NPO-10844] c 07 N72-20140
Apparatus for deriving synchronizing pulses from pulses in a single channel PCM communications system
[NASA-CASE-NPO-11302-1] c 07 N73-13149
Method and apparatus for a single channel digital communications system — synchronization of received PCM signal by digital correlation with reference signal
[NASA-CASE-NPO-11302-2] c 32 N74-10132
- BITERNARY CODE**
Minimal logic block encoder Patent
[NASA-CASE-NPO-10595] c 10 N71-25917
- BITS**
Parallel generation of the check bits of a PN sequence Patent
[NASA-CASE-XNP-04623] c 10 N71-26103
MOD 2 sequential function generator for multibit binary sequence
[NASA-CASE-NPO-10636] c 08 N72-25210
Bit error rate measurement above and below bit rate tracking threshold
[NASA-CASE-MSC-12743-1] c 32 N79-10263
- BLACK BODY RADIATION**
Black-body furnace Patent
[NASA-CASE-XLE-01399] c 33 N71-15625
Cavity radiometer Patent
[NASA-CASE-XNP-08961] c 14 N71-24809
Concavely shaped cavity radiometer with a dual purpose cone winding Patent
[NASA-CASE-XNP-09701] c 14 N71-26475
Black body cavity radiometer Patent
[NASA-CASE-NPO-10810] c 14 N71-27323
- BLADDER**
Prosthetic urinary sphincter
[NASA-CASE-MFS-23717-1] c 52 N81-25660
- BLADE TIPS**
Modification and improvements to cooled blades Patent
[NASA-CASE-XLE-00092] c 15 N70-33264
Tip cap for a rotor blade
[NASA-CASE-LEW-13854-1] c 07 N83-14129
Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-3] c 37 N83-28450
- BLADES**
Impact absorbing blade mounts for variable pitch blades
[NASA-CASE-LEW-12313-1] c 37 N78-10468
- BLADES (CUTTERS)**
Line cutter Patent
[NASA-CASE-XMS-04072] c 15 N70-42017
Tissue macerating instrument
[NASA-CASE-LEW-12668-1] c 52 N78-14773
Crystal cleaving machine
[NASA-CASE-GSC-12584-1] c 37 N82-32730
- BLAST LOADS**
Linear explosive comparison
[NASA-CASE-LAR-10800-1] c 33 N72-27959
- BLOCKS**
Rotary target V-block — aligning wind tunnel apparatus for optical measurement
[NASA-CASE-LAR-12007-2] c 74 N79-25876
- BLOOD**
Reduction of blood serum cholesterol
[NASA-CASE-NPO-12119-1] c 52 N75-15270
Gas diffusion liquid storage bag and method of use for storing blood
[NASA-CASE-NPO-13930-1] c 52 N79-14749
Dialysis system — using ion exchange resin membranes permeable to urea molecules
[NASA-CASE-NPO-14101-1] c 52 N80-14687
- BLOOD FLOW**
Logic-controlled occlusive cuff system
[NASA-CASE-MSC-14836-1] c 52 N82-11770
- BLOOD PRESSURE**
Blood pressure measuring system for separating and separately recording dc signal and an ac signal Patent
[NASA-CASE-XMS-06061] c 05 N71-23317
Apparatus and method for processing Korotkov sounds — for blood pressure measurement
[NASA-CASE-MSC-13999-1] c 52 N74-26626
Arterial pulse wave pressure transducer
[NASA-CASE-GSC-11531-1] c 52 N74-27566
Circuit for detecting initial systole and diastolic notch — for monitoring arterial pressure
[NASA-CASE-LEW-11581-1] c 54 N75-13531
Non-invasive method and apparatus for measuring pressure within a pliable vessel
[NASA-CASE-ARC-11264-1] c 52 N81-33804

BLOOD VESSELS

- Non-invasive method and apparatus for measuring pressure within a pliable vessel
[NASA-CASE-ARC-11264-1] c 52 N81-33804
Non-invasive method and apparatus for measuring pressure within a pliable vessel
[NASA-CASE-ARC-11264-2] c 52 N83-29991
- BLUFF BODIES**
Annular supersonic decelerator or drogue Patent
[NASA-CASE-XLE-00222] c 02 N70-37939
- BLUNT BODIES**
Flow field simulation Patent
[NASA-CASE-LAR-11138] c 12 N71-20436
- BODIES OF REVOLUTION**
Conforming polisher for aspheric surface of revolution Patent
[NASA-CASE-XGS-02884] c 15 N71-22705
Moment of inertia test fixture Patent
[NASA-CASE-XGS-01023] c 14 N71-22992
- BODY FLUIDS**
Programmable physiological infusion
[NASA-CASE-ARC-10447-1] c 52 N74-22771
Method of detecting and counting bacteria
[NASA-CASE-GSC-11917-2] c 51 N78-29891
Micro-fluid exchange coupling apparatus
[NASA-CASE-ARC-11114-1] c 51 N81-14605
- BODY KINEMATICS**
Space suit having improved waist and torso movement
[NASA-CASE-ARC-10275-1] c 05 N72-22092
Controller arm for a remotely related slave arm
[NASA-CASE-ARC-11052-1] c 37 N79-28551
Kinesimetric method and apparatus
[NASA-CASE-MSC-18929-1] c 39 N83-20280
- BODY MEASUREMENT (BIOLOGY)**
Biomedical ultrasonoscope
[NASA-CASE-ARC-10994-1] c 52 N76-33835
Miniature implantable ultrasonic echosonometer
[NASA-CASE-ARC-11035-1] c 52 N79-18580
Kinesimetric method and apparatus
[NASA-CASE-MSC-18929-1] c 39 N83-20280
Apparatus for determining changes in limb volume
[NASA-CASE-MSC-18759-1] c 52 N83-27578
- BODY TEMPERATURE**
Garments for controlling the temperature of the body Patent
[NASA-CASE-XMS-10269] c 05 N71-24147
Miniature ingestible telemeter devices to measure deep-body temperature
[NASA-CASE-ARC-10583-1] c 52 N76-29894
- BODY VOLUME (BIOLOGY)**
Whole body measurement systems — for weightlessness simulation
[NASA-CASE-MSC-13972-1] c 52 N74-10975
Apparatus for determining changes in limb volume
[NASA-CASE-MSC-18759-1] c 52 N83-27578
- BODY-WING CONFIGURATIONS**
Free wing assembly for an aircraft
[NASA-CASE-FRC-10092-1] c 05 N79-12061
Means for controlling aerodynamically induced twist
[NASA-CASE-LAR-12175-1] c 05 N82-28278
- BOILERS**
Boiler for generating high quality vapor Patent
[NASA-CASE-XLE-00785] c 33 N71-16104
Shell side liquid metal boiler
[NASA-CASE-NPO-10831] c 33 N72-20915
Carbon granule probe microphone for leak detection
[NASA-CASE-NPO-16027-1] c 33 N83-29595
- BOLOMETERS**
Insertion loss measuring apparatus having transformer means connected across a pair of bolometers Patent
[NASA-CASE-XNP-01193] c 10 N71-16057
Thin film capacitive bolometer and temperature sensor Patent
[NASA-CASE-NPO-10607] c 09 N71-27232
Wedge immersed thermistor bolometers
[NASA-CASE-XGS-01245-1] c 35 N79-33449
- BOLTS**
Gas actuated bolt disconnect Patent
[NASA-CASE-XLA-00326] c 03 N70-34667
Despin weight release Patent
[NASA-CASE-XLA-00679] c 15 N70-38601
Inspection gage for boss Patent
[NASA-CASE-XMF-04966] c 14 N71-17658
Split nut separation system Patent
[NASA-CASE-XNP-06914] c 15 N71-21489
Fastener stretcher
[NASA-CASE-GSC-11149-1] c 15 N73-30457
Securable bearing stress-strain indicator — for monitoring torque on bolts incorporated in pressure vessels
[NASA-CASE-LAR-12774-1] c 35 N83-29654
- BONDING**
Bonding graphite with fused silver chloride
[NASA-CASE-XGS-00963] c 15 N69-39735

- Bonded joint and method — for reducing peak shear stress in adhesive bonds
[NASA-CASE-LAR-10900-1] c 37 N74-23064
- Bonding method in the manufacture of continuous regression rate sensor devices
[NASA-CASE-LAR-10337-1] c 24 N75-30260
- Strain arrestor plate for fused silica tile — bonding of thermal insulation to metallic plates or structural parts
[NASA-CASE-MSC-14182-1] c 27 N76-14264
- Bonding machine for forming a solar array strip
[NASA-CASE-NPO-13652-2] c 44 N79-24431
- Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
[NASA-CASE-GSC-11577-3] c 24 N79-25143
- Method of making a partial interlaminar separation composite system
[NASA-CASE-LAR-12065-2] c 24 N81-33235
- Attachment system for silica tiles — thermal protection for space shuttle orbiter
[NASA-CASE-MSC-18741-1] c 27 N82-29456
- Surface texturing of fluoropolymers
[NASA-CASE-LEW-13028-1] c 27 N82-33521
- Method for making a bonded single mode fiber optic wavelength coupler
[NASA-CASE-NPO-15484-1] c 74 N83-25540
- BONES**
- Ultrasonic bone densitometer
[NASA-CASE-MFS-20994-1] c 35 N75-12271
- Method and system for in vivo measurement of bone tissue using a two level energy source
[NASA-CASE-MSC-14276-1] c 52 N77-14737
- Method of adhering bone to a rigid substrate using a graphite fiber reinforcing bone cement
[NASA-CASE-NPO-13764-1] c 27 N78-17215
- BOOMS (EQUIPMENT)**
- Folding boom assembly Patent
[NASA-CASE-XGS-00938] c 32 N70-41367
- Collapsible antenna boom and transmission line Patent
[NASA-CASE-MFS-20068] c 07 N71-27191
- Minimech self-deploying boom mechanism
[NASA-CASE-GSC-10566-1] c 15 N72-18477
- Mechanically extendible telescoping boom
[NASA-CASE-NPO-11118] c 03 N72-25021
- Extended moment arm anti-spin device
[NASA-CASE-LAR-12979-1] c 02 N83-29173
- BOOSTER RECOVERY**
- Recoverable rocket vehicle Patent
[NASA-CASE-XMF-00389] c 31 N70-34178
- Recoverable single stage spacecraft booster Patent
[NASA-CASE-XMF-01973] c 31 N70-41588
- Orbiter/launch system
[NASA-CASE-LAR-12250-1] c 14 N81-26161
- BOOSTER ROCKET ENGINES**
- Segmented back-up bar Patent
[NASA-CASE-XMF-00840] c 15 N70-39824
- Recoverable single stage spacecraft booster Patent
[NASA-CASE-XMF-01973] c 31 N70-41588
- Space Shuttle with improved external propellant tank
[NASA-CASE-MFS-25853] c 16 N83-13149
- BOOTS (FOOTWEAR)**
- Walking boot assembly
[NASA-CASE-ARC-11101-1] c 54 N78-17675
- BORING MACHINES**
- Boring bar drive mechanism Patent
[NASA-CASE-XLA-03861] c 15 N71-33518
- Borehole geological assessment
[NASA-CASE-NPO-14231-1] c 46 N80-10709
- BORON**
- Radiation hardening of MOS devices by boron — for stabilizing gate threshold potential of field effect device
[NASA-CASE-GSC-11425-1] c 76 N74-20329
- BORON CARBIDES**
- Catalyst for growth of boron carbide single crystal whiskers
[NASA-CASE-XHQ-03903] c 15 N69-21922
- BORON FIBERS**
- Method and apparatus for strengthening boron fibers — high temperature oxidation
[NASA-CASE-LEW-13826-1] c 24 N82-26385
- BORON FLUORIDES**
- Boron fluoride coatings for thermoplastic materials and method of applying same in glow discharge
[NASA-CASE-ARC-11057-1] c 27 N78-31233
- BOROSILICATE GLASS**
- Method for repair of thin glass coatings — on space shuttle orbiter tiles
[NASA-CASE-KSC-11097-1] c 27 N82-33520
- BOULES**
- Improved ingot slicing machine
[NASA-CASE-NPO-15483-1] c 37 N82-28642
- BOUNDARY LAYER CONTROL**
- Double hinged flap Patent
[NASA-CASE-XLA-01290] c 02 N70-42018
- Aerodynamic side-force alleviator means
[NASA-CASE-LAR-12326-1] c 02 N81-14968
- BOUNDARY LAYER SEPARATION**
- Tertiary flow injection thrust vectoring system Patent
[NASA-CASE-MFS-20831] c 28 N71-29153
- Controlled separation combustor — airflow distribution in gas turbine engines
[NASA-CASE-LEW-11593-1] c 20 N76-14190
- Self stabilizing sonic inlet
[NASA-CASE-LEW-11890-1] c 05 N79-24976
- BOUNDARY LAYER TRANSITION**
- Detection of the transitional layer between laminar and turbulent flow areas on a wing surface — using an accelerometer to measure pressure levels during wind tunnel tests
[NASA-CASE-LAR-12261-1] c 02 N80-20224
- BOUNDARY LAYERS**
- Traversing probe Patent
[NASA-CASE-XFR-02007] c 12 N71-24692
- Apparatus for sensing temperature
[NASA-CASE-XLE-05230] c 14 N72-27410
- BOXES (CONTAINERS)**
- Storage container for electronic devices Patent
[NASA-CASE-MFS-20075] c 09 N71-26133
- BRACKETS**
- Electrical servo actuator bracket — fuel control valves on jet engines
[NASA-CASE-FRC-11044-1] c 37 N81-33483
- Tool for releasing optical elements
[NASA-CASE-GSC-12794-1] c 37 N83-12434
- BRAIN**
- Ion beam sputter etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-2] c 52 N83-20539
- BRAKES (FOR ARRESTING MOTION)**
- Frangible tube energy dissipation Patent
[NASA-CASE-XLA-00754] c 15 N70-34850
- Emergency escape system Patent
[NASA-CASE-XKS-07814] c 15 N71-27067
- Sprag solenoid brake — development and operations of electrically controlled brake
[NASA-CASE-MFS-21848-1] c 37 N74-26976
- Reel safety brake
[NASA-CASE-GSC-11980-1] c 37 N77-14479
- Motion restraining device
[NASA-CASE-NPO-13619-1] c 37 N78-16369
- Moving body velocity arresting line — stainless steel cables with energy absorbing sleeves
[NASA-CASE-LAR-12372-1] c 37 N82-18601
- BRAKING**
- Regenerative braking system Patent
[NASA-CASE-XMF-01096] c 10 N71-16030
- Linear magnetic brake with two windings Patent
[NASA-CASE-XLE-05079] c 15 N71-17652
- Anemometer with braking mechanism Patent
[NASA-CASE-XMF-05224] c 14 N71-23726
- BRAZING**
- Pretreatment method for anti-wettable materials
[NASA-CASE-XMS-03537] c 15 N69-21471
- Process for applying a protective coating for salt bath brazing Patent
[NASA-CASE-XLE-00046] c 15 N70-33311
- Method of joining aluminum to stainless steel Patent
[NASA-CASE-MFS-07389] c 15 N71-20443
- Brazing alloy Patent
[NASA-CASE-XNP-03063] c 17 N71-23365
- Brazing alloy binder
[NASA-CASE-XMF-05868] c 26 N75-27125
- Brazing alloy composition
[NASA-CASE-XMF-06053] c 26 N75-27126
- Brazing alloy
[NASA-CASE-XNP-03878] c 26 N75-27127
- Method of fluxless brazing and diffusion bonding of aluminum containing components
[NASA-CASE-MSC-14435-1] c 37 N78-18455
- BREATHING APPARATUS**
- Transfer valve Patent
[NASA-CASE-XAC-01158] c 15 N71-23051
- Self-contained breathing apparatus
[NASA-CASE-MSC-14733-1] c 54 N76-24900
- Portable breathing system — a breathing apparatus using a rebreathing system of heat exchangers for carbon dioxide removal
[NASA-CASE-MSC-16182-1] c 54 N80-10799
- BRICKS**
- Foldable construction block
[NASA-CASE-MSC-12233-2] c 32 N73-13921
- BRIGHTNESS**
- Light intensity modulator controller Patent
[NASA-CASE-XMS-04300] c 09 N71-19479
- BRIGHTNESS DISCRIMINATION**
- Television signal processing system Patent
[NASA-CASE-NPO-10140] c 07 N71-24742
- Visual examination apparatus
[NASA-CASE-ARC-10329-1] c 05 N73-26072
- Illumination control apparatus for compensating solar light
[NASA-CASE-KSC-11010-1] c 74 N79-12890
- BRITTLENESS**
- Rock sampling — apparatus for controlling particle size
[NASA-CASE-XNP-10007-1] c 46 N74-23068
- Rock sampling — method for controlling particle size distribution
[NASA-CASE-XNP-09755] c 46 N74-23069
- Elastomer coated filler and composites thereof comprising at least 60% by weight of a hydrated filler and an elastomer containing an acid substituent
[NASA-CASE-NPO-14857-1] c 27 N83-19900
- Elastomer toughened polyimide adhesives
[NASA-CASE-LAR-12775] c 27 N83-29390
- BROADBAND**
- Broadband choke for antenna structure
[NASA-CASE-XMS-05303] c 07 N69-27462
- Flexible blade antenna Patent
[NASA-CASE-MSC-12101] c 09 N71-18720
- Broadband frequency discriminator Patent
[NASA-CASE-NPO-10096] c 07 N71-24583
- Broadband microwave waveguide window Patent
[NASA-CASE-XNP-08880] c 09 N71-24808
- High-gain, broadband traveling wave maser Patent
[NASA-CASE-NPO-10548] c 16 N71-24831
- Wideband VCO with high phase stability Patent
[NASA-CASE-XLA-03893] c 10 N71-27271
- Composite antenna feed
[NASA-CASE-GSC-11046-1] c 07 N73-28013
- Multifrequency broadband polarized horn antenna
[NASA-CASE-NPO-14588-1] c 32 N81-25278
- Broadband optical radiation detector
[US-PATENT-4,262,198] c 74 N83-19597
- BROADBAND AMPLIFIERS**
- Broadband stable power multiplier Patent
[NASA-CASE-XNP-10854] c 10 N71-26331
- Cascaded complementary pair broadband transistor amplifiers Patent
[NASA-CASE-NPO-10003] c 10 N71-26415
- BROADCASTING**
- Vehicle locating system utilizing AM broadcasting station carriers
[NASA-CASE-NPO-13217-1] c 32 N75-26194
- BROMINATION**
- Toughening reinforced epoxy composites with brominated polymeric additives
[NASA-CASE-ARC-11427-1] c 24 N83-25791
- BROMINE**
- Hydrogen-bromine secondary battery
[NASA-CASE-NPO-13237-1] c 44 N76-18641
- BRONZES**
- Thin wire pointing method
[NASA-CASE-NPO-15789-1] c 31 N83-19947
- BRUSHES**
- Method of making impurity-type semiconductor electrical contacts Patent
[NASA-CASE-XMF-01016] c 26 N71-17818
- BRUSHES (ELECTRICAL CONTACTS)**
- A brushless dc tachometer
[NASA-CASE-NPO-15706-1] c 35 N82-26633
- BUBBLES**
- Method of forming frozen spheres in a force-free drop tower
[NASA-CASE-NPO-14845-1] c 27 N82-28442
- Acoustic bubble removal method
[NASA-CASE-NPO-15334-1] c 71 N83-35781
- BUCKLING**
- Miniature vibration isolator Patent
[NASA-CASE-XLA-01019] c 15 N70-40158
- Compression test assembly
[NASA-CASE-LAR-10440-1] c 14 N73-32323
- BUFFER STORAGE**
- Data handling system based on source significance, storage availability and data received from the source Patent Application
[NASA-CASE-XNP-04162-1] c 08 N70-34675
- Data transfer system Patent
[NASA-CASE-NPO-12107] c 08 N71-27255
- Buffered analog converter
[NASA-CASE-KSC-10397] c 08 N72-25206
- Common data buffer system — communication with computational equipment utilized in spacecraft operations
[NASA-CASE-KSC-11048-1] c 62 N81-24779
- BUFFERS (CHEMISTRY)**
- Static continuous electrophoresis device
[NASA-CASE-MFS-25306-1] c 25 N83-13187
- BUILDINGS**
- Foldable construction block
[NASA-CASE-MSC-12233-1] c 15 N72-25454
- BULBS**
- External bulb variable volume maser
[NASA-CASE-GSC-12334-1] c 36 N79-14362
- BULKHEADS**
- Tank construction for space vehicles Patent
[NASA-CASE-XMF-01899] c 31 N70-41948

BUOYANCY

Inflatable radar reflector unit Patent
[NASA-CASE-XMS-00893] c 07 N70-40063

BURNERS

Micronized coal burner facility
[NASA-CASE-LEW-13426-1] c 44 N82-31769

BURNING RATE

Burning rate control of solid propellants Patent
[NASA-CASE-XLE-03494] c 27 N71-21819
Burn rate testing apparatus
[NASA-CASE-XMS-06990] c 33 N72-25913
Nitramine propellants — gun propellant burning rate
[NASA-CASE-NPO-14103-1] c 28 N78-31255

BURNOUT

Spherically-shaped rocket motor Patent
[NASA-CASE-XHQ-01897] c 28 N70-35381

BURNS (INJURIES)

Medical diagnosis system and method with multispectral imaging — depth of burns and optical density of the skin
[NASA-CASE-NPO-14402-1] c 52 N81-27783

BUS CONDUCTORS

Test apparatus for locating shorts during assembly of electrical buses
[NASA-CASE-ARC-11116-1] c 33 N82-24420

BUTT JOINTS

Channel-type shell construction for rocket engines and the like Patent
[NASA-CASE-XLE-00144] c 28 N70-34860
Segmented back-up bar Patent
[NASA-CASE-XMF-00640] c 15 N70-39924
Apparatus for welding sheet material — butt joints
[NASA-CASE-XMS-01330] c 37 N75-27376

BUTTERFLY VALVES

Flexible seal for valves Patent
[NASA-CASE-XLE-00101] c 15 N70-33376

BUTYRIC ACID

Production of butanol by fermentation in the presence of co-culture of clostridium
[NASA-CASE-NPO-16203-1] c 44 N83-29806

BYPASSES

Low power drain semi-conductor circuit
[NASA-CASE-XGS-04999] c 09 N69-24317
Helical coaxial resonator RF filter
[NASA-CASE-XGS-02816] c 07 N69-24323
Current regulating voltage divider
[NASA-CASE-MFS-20935] c 09 N71-34212
Use of unilluminated solar cells as shunt diodes for a solar array
[NASA-CASE-GSC-10344-1] c 03 N72-27053
Shunt regulation electric power system
[NASA-CASE-GSC-10135] c 33 N78-17296
Thrust reverser for a long duct fan engine — for turbofan engines
[NASA-CASE-LEW-13199-1] c 07 N82-26293
Ion beam sputter etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-2] c 52 N83-20539

C

CABLE FORCE RECORDERS

Winch having cable position and load indicators Patent
[NASA-CASE-MSC-12052-1] c 15 N71-24599

CABLES

Cable restraint
[NASA-CASE-LAR-10129-1] c 15 N73-25512
Deployable flexible tunnel
[NASA-CASE-MFS-22636-1] c 37 N76-22540

CABLES (ROPES)

High-voltage cable Patent
[NASA-CASE-XNP-00738] c 09 N70-38201
Cable arrangement for rigid tethering Patent
[NASA-CASE-XLA-02332] c 32 N71-17609
Extensible cable support Patent
[NASA-CASE-XMF-07587] c 15 N71-18701
Satellite appendage tie down cord Patent
[NASA-CASE-XGS-02554] c 31 N71-21064
Quick attach mechanism Patent
[NASA-CASE-XFR-05421] c 15 N71-22994
Flexible/ngidifiable cable assembly
[NASA-CASE-MSC-13512-1] c 15 N72-22485
Cable stabilizer for open shaft cable operated elevators
[NASA-CASE-KSC-10513] c 15 N72-25453
Reefing system
[NASA-CASE-LAR-10129-2] c 37 N74-20063
Emergency descent device
[NASA-CASE-MFS-23074-1] c 54 N77-21844
Belt for transmitting power from a cogged driving member to a cogged driven member
[NASA-CASE-GSC-12289-1] c 37 N80-32717
Moving body velocity arresting line cables with energy absorbing sleeves
[NASA-CASE-LAR-12372-1] c 37 N82-18601

CADMIUM SULFIDES

High field CdS detector for infrared radiation
[NASA-CASE-LAR-11027-1] c 35 N74-18088
CDS solid state phase insensitive ultrasonic transducer — annealing cadmium sulfide crystals
[NASA-CASE-LAR-12304-1] c 35 N80-20559

CALCIUM

Ultrasonic bone densitometer
[NASA-CASE-MFS-20994-1] c 35 N75-12271

CALCIUM FLUORIDES

Bonded solid lubricant coating Patent
[NASA-CASE-XMS-00259] c 18 N70-36400
Method of making self lubricating fluoride- metal composite materials Patent
[NASA-CASE-XLE-08511-2] c 18 N71-16105

CALCIUM OXIDES

Process for the preparation of calcium superoxide
[NASA-CASE-ARC-11053-1] c 25 N79-10162

CALCIUM PHOSPHATES

Process for the preparation of brushite crystals
[NASA-CASE-ERC-10338] c 04 N72-33072

CALCULATORS

Sun angle calculator
[NASA-CASE-MSC-12617-1] c 35 N76-29552

CALCULI

Apparatus for disintegrating kidney stones
[NASA-CASE-GSC-12652-1] c 52 N82-26961

CALIBRATING

Self-calibrating displacement transducer Patent
[NASA-CASE-XLA-00781] c 09 N71-22999
Pressure transducer calibrator Patent
[NASA-CASE-XNP-01660] c 14 N71-23036
Apparatus for testing a pressure responsive instrument Patent
[NASA-CASE-XMF-04134] c 14 N71-23755
Phonocardiogram simulator Patent
[NASA-CASE-KKS-10804] c 05 N71-24606
Laser calibrator Patent
[NASA-CASE-XLA-03410] c 16 N71-25914
Radar calibration sphere
[NASA-CASE-XLA-11154] c 07 N72-21117
Gauge calibration by diffusion
[NASA-CASE-XGS-07752] c 14 N73-30390
System for calibrating pressure transducer
[NASA-CASE-LAR-10910-1] c 35 N74-13132
In situ transfer standard for ultrahigh vacuum gage calibration
[NASA-CASE-LAR-10862-1] c 35 N74-15092
Ergometer calibrator — for any ergometer utilizing rotating shaft
[NASA-CASE-MFS-21045-1] c 35 N75-15932
Ultrasonic calibration device — for producing changes in acoustic attenuation and phase velocity
[NASA-CASE-LAR-11435-1] c 35 N76-15432
High temperature strain gage calibration fixture
[NASA-CASE-LAR-11500-1] c 35 N76-24523
Electronically scanned pressure sensor module with in situ calibration capability
[NASA-CASE-LAR-12230-1] c 35 N79-14347
Calibrating pressure switch
[NASA-CASE-XMF-04494-1] c 33 N79-33392
Electromagnetic power absorber
[NASA-CASE-NPO-13830-1] c 32 N80-14281
Automatic flowmeter calibration system
[NASA-CASE-KSC-11076-1] c 34 N81-26402
Method and apparatus for precision control of radiometer
[NASA-CASE-NPO-15398-1] c 35 N81-33449
Strain gage calibration
[NASA-CASE-LAR-12743-1] c 35 N82-32661
Method and apparatus for self-calibration and phasing of array antenna
[NASA-CASE-NPO-15920-1] c 32 N82-33593

CALORIMETERS

Constant temperature heat sink for calorimeters Patent
[NASA-CASE-XMF-04208] c 33 N71-29051
Heat flow calorimeter — measures output of Ni-Cd batteries
[NASA-CASE-GSC-11434-1] c 34 N74-27859
Containerless high temperature calorimeter apparatus
[NASA-CASE-MFS-23923-1] c 35 N81-19426

CAMERA SHUTTERS

Electrically-operated rotary shutter Patent
[NASA-CASE-XNP-00637] c 14 N70-40273
Fast opening diaphragm Patent
[NASA-CASE-XLA-03660] c 15 N71-21060
Cyclically operable optical shutter
[NASA-CASE-NPO-10758] c 14 N73-14427
Rotary solenoid shutter drive assembly and rotary inertia damper and stop plate assembly — for use with cameras mounted in satellites
[NASA-CASE-GSC-11560-1] c 33 N74-20861

CAMERAS

Measurement of time differences between luminous events Patent
[NASA-CASE-XLA-01987] c 23 N71-23976
Image magnification adapter for cameras Patent
[NASA-CASE-XMF-03844-1] c 14 N71-26474
Film feed camera having a detent means Patent
[NASA-CASE-LAR-10686] c 14 N71-28935
Laser camera and diffusion filter therefore Patent
[NASA-CASE-NPO-10417] c 16 N71-33410
Optical binocular scanning apparatus
[NASA-CASE-NPO-11002] c 14 N72-22441
On-film optical recording of camera lens settings
[NASA-CASE-MSC-12363-1] c 14 N73-26431
Exposure interlock for oscilloscope cameras
[NASA-CASE-LAR-10319-1] c 14 N73-32322
Real time moving scene holographic camera system
[NASA-CASE-MFS-21087-1] c 35 N74-17153
Automatic focus control for facsimile cameras
[NASA-CASE-LAR-11213-1] c 35 N75-15014
Spectrometer integrated with a facsimile camera
[NASA-CASE-LAR-11207-1] c 35 N75-19613
Real time, large volume, moving scene holographic camera system
[NASA-CASE-MFS-22537-1] c 35 N75-27328
Holographic motion picture camera with Doppler shift compensation
[NASA-CASE-MFS-22517-1] c 35 N76-18402

CAMS

Controlled caging and uncaging mechanism
[NASA-CASE-GSC-11063-1] c 37 N77-27400
Cam-operated pitch-change apparatus
[NASA-CASE-LEW-13050-1] c 07 N79-14095
CAM controlled retractable door latch
[NASA-CASE-MSC-20304-1] c 37 N82-31690

CANARD CONFIGURATIONS

Thrust and direction control apparatus Patent
[NASA-CASE-XLE-03583] c 31 N71-17629
Supersonic transport — using canard surfaces
[NASA-CASE-LAR-11932-1] c 05 N78-32088
Missile rolling tail brake torque system — simulating bearing friction on canard controlled missiles
[NASA-CASE-LAR-12751-1] c 37 N82-26675

CANCER

Coupling apparatus for ultrasonic medical diagnostic system
[NASA-CASE-NPO-13935-1] c 52 N79-14751
Hyperthermia heating apparatus — cancer therapy
[NASA-CASE-NPO-14549-2] c 52 N82-33996

CANOPIES

Transparent fire resistant polymers structures
[NASA-CASE-ARC-10813-1] c 27 N76-16230
Method for refurbishing and processing parachutes
[NASA-CASE-KSC-11042-1] c 09 N82-29330
Aircraft canopy lock
[NASA-CASE-FRC-11065-1] c 05 N83-19737

CANS

Canister closing device Patent
[NASA-CASE-XLA-01446] c 15 N71-21528
Extrusion can
[NASA-CASE-NPO-10812] c 15 N73-13464

CANTILEVER BEAMS

Inflatable support structure Patent
[NASA-CASE-XLA-01731] c 32 N71-21045
Cantilever mounted resilient pad gas bearing
[NASA-CASE-LEW-12569-1] c 37 N79-10418

CANTILEVER MEMBERS

Deployable solar cell array
[NASA-CASE-NPO-10883] c 31 N72-22874
Miniature basal strain transducer
[NASA-CASE-LAR-11648-1] c 35 N77-14407

CAPACITANCE

Device for determining the accuracy of the flare on a flared tube
[NASA-CASE-XKS-03495] c 14 N69-39785
Floating two force component measuring device Patent
[NASA-CASE-XAC-04885] c 14 N71-23790
Thin film capacitive bolometer and temperature sensor Patent
[NASA-CASE-NPO-10607] c 09 N71-27232
Capacitive tank gaging apparatus being independent of liquid distribution
[NASA-CASE-MFS-21629] c 14 N72-22442
Capacitance multiplier and filter synthesizing network
[NASA-CASE-NPO-11948-1] c 33 N74-32712
Direct reading inductance meter
[NASA-CASE-NPO-13792-1] c 35 N77-32455
Dynamic capacitor having a peripherally driven element and system incorporating the same
[NASA-CASE-XNP-02899-1] c 33 N79-21265

CAPACITANCE SWITCHES

Electrical discharge apparatus for forming Patent
[NASA-CASE-XMF-00375] c 15 N70-34249

Ultra-long monostable multivibrator employing bistable semiconductor switch to allow charging of timing circuit Patent
[NASA-CASE-XGS-00381] c 09 N70-34819

Feedback integrator with grounded capacitor Patent
[NASA-CASE-XAC-10607] c 10 N71-23669

CAPACITORS

Temperature sensitive capacitor device
[NASA-CASE-XNP-09750] c 14 N69-39937

Space vehicle electrical system Patent
[NASA-CASE-XMF-00517] c 03 N70-34157

Apparatus having coaxial capacitor structure for measuring fluid density Patent
[NASA-CASE-XLE-00143] c 14 N70-36618

Meteoroid sensing apparatus having a coincidence network connected to a pair of capacitors Patent
[NASA-CASE-XLE-01246] c 14 N71-10797

Capacitor and method of making same Patent
[NASA-CASE-LEW-10364-1] c 09 N71-13522

Measurement of time differences between luminous events Patent
[NASA-CASE-XLA-01987] c 23 N71-23976

Ripple indicator
[NASA-CASE-KSC-01162] c 09 N72-11225

Thermoelectric radiometer utilizing polymer film
[NASA-CASE-ARC-10138-1] c 14 N72-24477

Screened circuit capacitors
[NASA-CASE-LAR-10294-1] c 26 N72-28762

Micrometeoroid analyzer
[NASA-CASE-ARC-10443-1] c 14 N73-20477

Insulated electrocardiographic electrodes --- without paste electrolyte
[NASA-CASE-MSC-14339-1] c 05 N75-24716

High temperature beryllium oxide capacitor
[NASA-CASE-LEW-11938-1] c 33 N76-15373

Energy storage apparatus
[NASA-CASE-GSC-12030-1] c 44 N78-24608

Regulated high efficiency, lightweight capacitor-diode multiplier dc to dc converter
[NASA-CASE-LEW-12791-1] c 33 N78-32341

Dynamic capacitor having a peripherally driven element and system incorporating the same
[NASA-CASE-XNP-02899-1] c 33 N79-21265

CAPILLARY FLOW

Capillary radiator Patent
[NASA-CASE-XLE-03307] c 33 N71-14035

Fluid lubricant system Patent
[NASA-CASE-XNP-03972] c 15 N71-23048

Soldering device Patent
[NASA-CASE-XLA-08911] c 15 N71-27214

Capillary flow weld-bonding
[NASA-CASE-LAR-11726-1] c 37 N76-27568

CAPILLARY TUBES

Fluid flow restrictor Patent
[NASA-CASE-NPO-10117] c 15 N71-15608

Water separating system Patent
[NASA-CASE-XMS-13052] c 14 N71-20427

Mercury capillary interrupter Patent
[NASA-CASE-XNP-02251] c 12 N71-20896

Diffused waveguiding capillary tube with distributed feedback for a gas laser
[NASA-CASE-NPO-13544-1] c 36 N76-18428

CARBAZOLES

Method of using photovoltaic cell using poly-N-vinylcarbazole complex Patent
[NASA-CASE-NPO-10373] c 03 N71-18698

CARBIDES

Absorbable susceptor joining of ceramic surfaces
[NASA-CASE-NPO-15640-1] c 27 N83-19904

CARBOHYDRATES

Decontamination of petroleum products Patent
[NASA-CASE-XNP-03835] c 06 N71-23499

CARBON

Low density bismaleimide-carbon microballoon composites --- aircraft and submarine compartment safety
[NASA-CASE-ARC-11040-2] c 24 N78-27184

Electrophotolysis oxidation system for measurement of organic concentration in water
[NASA-CASE-MSC-16497-1] c 25 N82-12166

Improved chromium electrodes for REDOX cells
[NASA-CASE-LEW-13853-1] c 44 N82-22872

Apparatus and method for destructive removal of particles contained in a flowing fluid
[NASA-CASE-NPO-15426-1] c 45 N83-20447

Diamondlike flake composites --- for use in aerospace structures and components
[NASA-CASE-LEW-13837-1] c 24 N83-28095

Carbon granule probe microphone for leak detection
[NASA-CASE-NPO-16027-1] c 33 N83-29595

CARBON ARCS

Water cooled contactor for anode in carbon arc mechanism
[NASA-CASE-XMS-03700] c 15 N69-24266

CARBON COMPOUNDS

Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent
[NASA-CASE-XLA-00284] c 15 N71-16075

Surfactant-assisted liquefaction of particulate carbonaceous substances
[NASA-CASE-NPO-13904-1] c 25 N79-11152

CARBON DIOXIDE

Techniques for insulating cryogenic fuel containers Patent
[NASA-CASE-XLA-01967] c 31 N70-42015

Miniature carbon dioxide sensor and methods
[NASA-CASE-MSC-13332-1] c 14 N72-21408

Metabolic rate meter and method
[NASA-CASE-MSC-12239-1] c 52 N79-21750

CARBON DIOXIDE LASERS

Repetitively pulsed, wavelength selective laser Patent
[NASA-CASE-ERC-10178] c 16 N71-24832

Power supply for carbon dioxide lasers
[NASA-CASE-GSC-11222-1] c 16 N73-32391

Stark-effect modulation of CO₂ laser with NH₂D
[NASA-CASE-NPO-11945-1] c 38 N76-18427

CARBON DIOXIDE REMOVAL

Catalyst cartridge for carbon dioxide reduction unit
[NASA-CASE-LAR-10551-1] c 25 N74-12813

Regenerable device for scrubbing breathable air of CO₂ and moisture without special heat exchanger equipment
[NASA-CASE-MSC-14771-1] c 54 N77-32722

Portable breathing system --- a breathing apparatus using a rebreathing system of heat exchangers for carbon dioxide removal
[NASA-CASE-MSC-16182-1] c 54 N80-10799

CARBON FIBER REINFORCED PLASTICS

Low density bismaleimide-carbon microballoon composites
[NASA-CASE-ARC-11040-1] c 24 N79-16915

Circumferential shaft seal
[NASA-CASE-LEW-12118-1] c 37 N80-26711

Curing agent for polyepoxides and epoxy resins and composites cured therewith --- preventing carbon fiber release
[NASA-CASE-LEW-13226-1] c 27 N81-17260

CARBON FIBERS

Method and device for detection of a substance --- determining carbon fiber release in fire situations
[NASA-CASE-NPO-14940-1] c 33 N83-19554

Mixed polyvalent-monovalent metal coating for carbon-graphite fibers
[NASA-CASE-NPO-14987-1] c 24 N83-33950

CARBON MONOXIDE

Carbon monoxide monitor --- using real time operation
[NASA-CASE-MFS-22060-1] c 35 N75-29380

CARBON-CARBON COMPOSITES

Prestressed thermal protection systems --- space shuttle orbiters
[NASA-CASE-MSC-20254-1] c 24 N83-17601

Daze fasteners
[NASA-CASE-LAR-13009-1] c 37 N83-29706

CARBONACEOUS MATERIALS

Fluidized bed desulfurization
[NASA-CASE-NPO-15924-1] c 25 N83-36122

CARBONATES

Polyurethanes of fluorine containing polycarbonates
[NASA-CASE-MFS-10512] c 06 N73-30099

Synthesis of dawsonites --- for use in fire extinguishing operations
[NASA-CASE-ARC-11326-1] c 25 N83-33977

CARBONIZATION

Method of carbonizing polyacrylonitrile fibers
[NASA-CASE-ARC-11261-1] c 24 N83-25789

CARBONYL COMPOUNDS

Coal desulfurization --- using iron pentacarbonyl
[NASA-CASE-NPO-14272-1] c 25 N81-33246

CARBORANE

Process for the preparation of polycarbonylphosphazenes --- thermal insulation
[NASA-CASE-ARC-11176-2] c 27 N81-27271

Carboranylchlorotriphosphazenes and their polymers --- thermal insulation
[NASA-CASE-ARC-11176-1] c 27 N82-18389

CARBOXYL GROUP

Novel polycarboxylic prepolymeric materials and polymers thereof Patent
[NASA-CASE-NPO-10596] c 06 N71-25929

CARBOXYLIC ACIDS

Preparation of polyimides from mixtures of monomeric diamines and esters of polycarboxylic acids
[NASA-CASE-LEW-11325-1] c 06 N73-27980

Fluorinated esters of polycarboxylic acids
[NASA-CASE-MFS-21040-1] c 06 N73-30098

Metal phthalocyanine polymers
[NASA-CASE-ARC-11405-1] c 27 N83-12239

CARCINOGENS

Apparatus for producing three-dimensional recordings of fluorescence spectra Patent
[NASA-CASE-XGS-01231] c 14 N70-41676

CARDIAC VENTRICLES

Contour detector and data acquisition system for the left ventricular outline
[NASA-CASE-ARC-10985-1] c 52 N79-10724

CARDIOGRAPHY

Digital cardiometer system Patent
[NASA-CASE-XMS-02399] c 05 N71-22896

Reference apparatus for medical ultrasonic transducer
[NASA-CASE-ARC-10753-1] c 54 N75-27760

CARDIOLOGY

Ratemeter
[NASA-CASE-MFS-20418] c 14 N73-24473

Myocardium wall thickness transducer and measuring method
[NASA-CASE-NPO-13644-1] c 52 N76-29895

CARDIOTACHOMETERS

Digital computing cardiometer Patent
[NASA-CASE-MFS-20284-1] c 52 N74-12778

CARDIOVASCULAR SYSTEM

G conditioning suit Patent
[NASA-CASE-XLA-02898] c 05 N71-20268

Method and apparatus for continuously monitoring blood oxygenation, blood pressure, pulse rate and the pressure pulse curve utilizing an ear oximeter as transducer Patent
[NASA-CASE-XAC-05422] c 04 N71-23185

Catheter tip force transducer for cardiovascular research
[NASA-CASE-NPO-13643-1] c 52 N76-29896

Low X-ray absorption aneurism clips
[NASA-CASE-LAR-12650-1] c 52 N81-29768

CARGO

Portable pallet weight apparatus
[NASA-CASE-GSC-12789-1] c 35 N83-13425

CARRIER FREQUENCIES

Bi-carrier demodulator with modulation Patent
[NASA-CASE-XMF-01160] c 07 N71-11298

Automatic carrier acquisition system
[NASA-CASE-NPO-11628-1] c 07 N73-30113

Demodulator for carrier transducers
[NASA-CASE-NUC-10107-1] c 33 N74-17930

Decision feedback loop for tracking a polyphase modulated carrier
[NASA-CASE-NPO-13103-1] c 32 N74-20811

Discriminator aided phase lock acquisition for suppressed carrier signals
[NASA-CASE-NPO-14311-1] c 33 N82-29539

CARRIER WAVES

Variable frequency oscillator with temperature compensation Patent
[NASA-CASE-XNP-03916] c 09 N71-28810

Modulator for tone and binary signals --- phase of modulation of tone and binary signals on carrier waves in communication systems
[NASA-CASE-GSC-11743-1] c 32 N75-24981

CARRIERS

Storage container for electronic devices Patent
[NASA-CASE-MFS-20075] c 09 N71-26133

Apparatus for conducting flow electrophoresis in the substantial absence of gravity
[NASA-CASE-MFS-21394-1] c 34 N74-27744

CARTESIAN COORDINATES

Random function tracer Patent
[NASA-CASE-XLA-01401] c 15 N71-21179

CARTRIDGES

Endless tape cartridge Patent
[NASA-CASE-XGS-00769] c 14 N70-41647

Endless tape transport mechanism Patent
[NASA-CASE-XGS-01223] c 07 N71-10609

Catalyst cartridge for carbon dioxide reduction unit
[NASA-CASE-LAR-10551-1] c 25 N74-12813

CARTS

High production shuttle car system for coal mines
[NASA-CASE-NPO-15949-1] c 37 N83-20155

CASCADE CONTROL

Reversible ring counter employing cascaded single SCR stages Patent
[NASA-CASE-XGS-01473] c 09 N71-10673

Synchronous dc direct drive system Patent
[NASA-CASE-GSC-10065-1] c 10 N71-27136

Multiloop RC active filter apparatus having low parameter sensitivity with low amplifier gain
[NASA-CASE-ARC-10192] c 09 N72-21245

CASCADE FLOW

Cascade plug nozzle --- for jet noise reduction
[NASA-CASE-LAR-11874-1] c 07 N76-18117

Thrust reverser for a long duct fan engine --- for turbofan engines
[NASA-CASE-LEW-13199-1] c 07 N82-26293

Degasifying and mixing apparatus for liquids --- potable water for spacecraft
[NASA-CASE-MSC-18936-1] c 35 N83-29852

CASE BONDED PROPELLANTS

Solid propellant Patent
[NASA-CASE-NPO-11458A] c 20 N76-32179

CASES (CONTAINERS)

- Non-magnetic battery case Patent
[NASA-CASE-XGS-00886] c 03 N71-11053
- Protected isotope heat source — for atmospheric reentry protection and heat transmission to spacecraft
[NASA-CASE-LEW-11227-1] c 73 N75-30876
- Portable heatable container
[NASA-CASE-NPO-14237-1] c 44 N80-20808
- CASSEGRAIN ANTENNAS**
- Cassegrain antenna subreflector flange for suppressing ground noise Patent
[NASA-CASE-XNP-00683] c 09 N70-35425
- Multi-feed cone Cassegrain antenna Patent
[NASA-CASE-NPO-10539] c 07 N71-11285
- Millimeter wave radiometer for radio astronomy Patent
[NASA-CASE-XNP-09832] c 30 N71-23723
- Dual frequency microwave reflex feed
[NASA-CASE-NPO-13091-1] c 09 N73-12214
- Low loss dichroic plate
[NASA-CASE-NPO-13171-1] c 32 N74-11000
- CASTING**
- Hydraulic casting of liquid polymers Patent
[NASA-CASE-XNP-07659] c 06 N71-22975
- Asymmetric polyimide separation membrane and method
[NASA-CASE-NPO-15431-1] c 25 N81-29178
- Texturing polymer surfaces by transfer casting — cardiovascular prosthesis
[NASA-CASE-LEW-13120-1] c 27 N82-28440
- CASTINGS**
- Method of making an apertured casting — using duplicate mold
[NASA-CASE-LEW-11169-1] c 37 N76-23570
- Castable high temperature refractory materials
[NASA-CASE-LEW-13080-2] c 27 N82-11210
- CATALYSIS**
- Decomposition unit Patent
[NASA-CASE-XMS-00583] c 28 N70-38504
- Apparatus for photon excited catalysis
[NASA-CASE-NPO-13568-1] c 25 N77-32255
- Start up system for hydrogen generator used with an internal combustion engine
[NASA-CASE-NPO-13849-1] c 28 N80-10374
- Diesel engine catalytic combustor system — turbocharging
[NASA-CASE-LEW-12995-1] c 37 N80-26659
- Autocatalytic coal liquefaction process
[NASA-CASE-NPO-14876-2] c 28 N82-25394
- CATALYSTS**
- Catalyst for growth of boron carbide single crystal whiskers
[NASA-CASE-XHQ-03903] c 15 N69-21922
- Catalyst bed removing tool Patent
[NASA-CASE-XFR-00811] c 15 N70-36901
- Ignition means for monopropellant Patent
[NASA-CASE-XNP-00876] c 28 N70-41311
- Hydrogen leak detection device Patent
[NASA-CASE-MFS-11537] c 14 N71-20442
- Catalyst cartridge for carbon dioxide reduction unit
[NASA-CASE-LAR-10551-1] c 25 N74-12813
- Catalysts for polyimide foams from aromatic isocyanates and aromatic dianhydrides — flame retardant foams
[NASA-CASE-ARC-11107-1] c 25 N80-16116
- Photoelectrochemical electrodes
[NASA-CASE-NPO-15458-1] c 76 N83-25587
- Mixed polyvalent-monovalent metal coating for carbon-graphite fibers
[NASA-CASE-NPO-14887-1] c 24 N83-33950
- CATALYTIC ACTIVITY**
- Combustion engine system
[NASA-CASE-NPO-14565-2] c 25 N83-19826
- CATHETERIZATION**
- Transducer circuit and catheter transducer Patent
[NASA-CASE-ARC-10132-1] c 09 N71-24597
- Catheter tip force transducer for cardiovascular research
[NASA-CASE-NPO-13643-1] c 52 N76-29896
- Ion beam sputter etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-2] c 52 N83-20539
- Ion beam sputter-etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-1] c 52 N83-21785
- CATHODE RAY TUBES**
- Single or joint amplitude distribution analyzer Patent
[NASA-CASE-XNP-01383] c 09 N71-10659
- Display for binary characters Patent
[NASA-CASE-XGS-04987] c 08 N71-20571
- Electron beam tube containing a multiple cathode array employing indexing means for cathode substitution Patent
[NASA-CASE-NPO-10625] c 09 N71-26182
- Color television systems using a single gun color cathode ray tube Patent
[NASA-CASE-ERC-10098] c 09 N71-28618

- High contrast cathode ray tube
[NASA-CASE-ERC-10468] c 09 N72-20206
- Digital video display system using cathode ray tube
[NASA-CASE-NPO-11342] c 09 N72-25248
- CRT blanking and brightness control circuit
[NASA-CASE-KSC-10647-1] c 10 N72-31273
- Display system
[NASA-CASE-ERC-10350] c 14 N73-20474
- Very high intensity light source using a cathode ray tube — electron beams
[NASA-CASE-XNP-01296] c 33 N75-27250
- CATHODES**
- Ion thruster cathode Patent Application
[NASA-CASE-LEW-10814-1] c 28 N70-35422
- Electronic cathode having a brush-like structure and a relatively thick oxide emissive coating Patent
[NASA-CASE-XLE-04501] c 09 N71-23190
- Heat activated cell with alkali anode and alkali salt electrolyte Patent
[NASA-CASE-LEW-11358] c 03 N71-26084
- Ion thruster with a combination keeper electrode and electron baffle
[NASA-CASE-NPO-11880] c 28 N73-24783
- Storage battery comprising negative plates of a wedge shaped configuration — for preventing shape change induced malfunctions
[NASA-CASE-NPO-11806-1] c 44 N74-19693
- CATIONS**
- Ionene membrane separator
[NASA-CASE-NPO-11091] c 18 N72-22567
- Viscoelastic cationic polymers containing the urethane linkage
[NASA-CASE-NPO-10830-1] c 27 N81-15104
- CAVITATION FLOW**
- Semitoroidal diaphragm cavitating valve Patent
[NASA-CASE-XNP-09704] c 12 N71-18615
- CAVITIES**
- Black body cavity radiometer Patent
[NASA-CASE-NPO-10810] c 14 N71-27323
- Method of coating through-holes Patent
[NASA-CASE-XMF-05999] c 15 N71-29032
- Burrowing apparatus
[NASA-CASE-XNP-07169] c 15 N73-32362
- Method of constructing dished ion thruster grids to provide hole array spacing compensation
[NASA-CASE-LEW-11876-1] c 20 N76-21276
- Method of making hollow elastomeric bodies
[NASA-CASE-NPO-13535-1] c 37 N76-31524
- Method and apparatus for producing concentric hollow spheres — inertial confinement fusion targets
[NASA-CASE-NPO-14596-1] c 31 N81-33319
- Cavity-backed, micro-strip dipole antenna array
[NASA-CASE-MSC-18606-1] c 32 N82-11338
- High performance channel injection sealant invention abstract
[NASA-CASE-ARC-14408-1] c 27 N82-33523
- CAVITY RESONATORS**
- Helical coaxial resonator RF filter
[NASA-CASE-XGS-02816] c 07 N69-24323
- System for improving signal-to-noise ratio of a communication signal Patent Application
[NASA-CASE-MSC-12259-1] c 07 N70-12616
- Temperature-compensating means for cavity resonator of amplifier Patent
[NASA-CASE-XNP-00449] c 14 N70-35220
- Holder for crystal resonators Patent
[NASA-CASE-XNP-03637] c 15 N71-21311
- System for improving signal-to-noise ratio of a communication signal
[NASA-CASE-MSC-12259-2] c 07 N72-33146
- Infrared tunable laser
[NASA-CASE-ARC-10463-1] c 09 N73-32111
- Tunable cavity resonator with ramp shaped supports
[NASA-CASE-HQN-10790-1] c 36 N74-11313
- Laser apparatus
[NASA-CASE-GSC-12237-1] c 36 N80-14384
- Off-axis coherently pumped laser
[NASA-CASE-GSC-12592-1] c 36 N81-12407
- Laser resonator
[NASA-CASE-GSC-12565-1] c 36 N82-24485
- CELESTIAL BODIES**
- Device for determining relative angular position between a spacecraft and a radiation emitting celestial body
[NASA-CASE-GSC-11444-1] c 14 N73-28490
- Position determination systems — using orbital antenna scan of celestial bodies
[NASA-CASE-MSC-12593-1] c 17 N76-21250
- CELESTIAL NAVIGATION**
- Radiant energy intensity measurement system Patent
[NASA-CASE-XNP-06510] c 14 N71-23797
- CELL ANODES**
- Heat activated cell Patent
[NASA-CASE-LEW-11359] c 03 N71-28579
- Method of making emf cell
[NASA-CASE-LEW-11359-2] c 03 N72-20034

- Electrically rechargeable REDOX flow cell
[NASA-CASE-LEW-12220-1] c 44 N77-14581
- CELL DIVISION**
- Process for control of cell division
[NASA-CASE-LAR-10773-3] c 51 N77-25769
- CELLS**
- Mixture separation cell Patent
[NASA-CASE-XMS-02952] c 18 N71-20742
- CELLS (BIOLOGY)**
- System for and method of freezing biological tissue
[NASA-CASE-GSC-12173-1] c 51 N79-10694
- Method for separating biological cells — suspended in aqueous polymer systems
[NASA-CASE-MFS-23883-1] c 51 N80-16715
- Electrophoresis device
[NASA-CASE-MFS-25426-1] c 25 N83-10126
- CELLULOSE**
- Process of treating cellulosic membrane and alkaline with membrane separator
[NASA-CASE-GSC-10019-1] c 44 N82-24641
- Separator for alkaline electric cells and method of making
[NASA-CASE-GSC-10017-1] c 44 N82-24643
- Alkaline electrochemical cells and method of making
[NASA-CASE-GSC-10349-1] c 44 N82-24645
- Aqueous alkali metal hydroxide insoluble cellulose ether membrane
[NASA-CASE-XGS-05584-1] c 25 N82-29370
- CENTER OF GRAVITY**
- Portable pallet weight apparatus
[NASA-CASE-GSC-12789-1] c 35 N83-13425
- CENTRIFUGAL COMPRESSORS**
- Centrifugal-reciprocating compressor
[NASA-CASE-NPO-14597-1] c 37 N79-23431
- Centrifugal-reciprocating compressor
[NASA-CASE-NPO-14597-2] c 37 N83-29708
- CENTRIFUGAL FORCE**
- Counter pumping debris excluder and separator — gas turbine shaft seals
[NASA-CASE-LEW-11855-1] c 07 N78-25090
- CENTRIFUGES**
- Centrifuge mounted motion simulator Patent
[NASA-CASE-XAC-00399] c 11 N70-34815
- Separator Patent
[NASA-CASE-XLA-00415] c 15 N71-16079
- Centrifugal hydrophobic separator
[NASA-CASE-LAR-10184-1] c 34 N74-30608
- Fluid control apparatus and method
[NASA-CASE-LAR-11110-1] c 34 N75-26282
- Biocentrifuge system capable of exchanging specimen cages while in operational mode
[NASA-CASE-MFS-23825-1] c 51 N81-32829
- CERAMIC BONDING**
- Method of making a diffusion bonded refractory coating Patent
[NASA-CASE-XLE-01604-2] c 15 N71-15610
- Method of forming ceramic to metal seal Patent
[NASA-CASE-XNP-01263-2] c 15 N71-26312
- Absorbable susceptor joining of ceramic surfaces
[NASA-CASE-NPO-15640-1] c 27 N83-19904
- CERAMIC COATINGS**
- Evaporant holder
[NASA-CASE-XLA-03105] c 15 N69-27483
- Unfired-ceramic flame-resistant insulation and method of making the same Patent
[NASA-CASE-XMF-01030] c 18 N70-41583
- Ceramic insulation for radiant heating environments and method of preparing the same Patent
[NASA-CASE-MFS-14253] c 33 N71-24858
- Method of making a cermet Patent
[NASA-CASE-LEW-10219-1] c 18 N71-28729
- Two-component ceramic coating for silica insulation
[NASA-CASE-MSC-14270-1] c 27 N76-22377
- Three-component ceramic coating for silica insulation
[NASA-CASE-MSC-14270-2] c 27 N76-23426
- Spray coating apparatus having a rotatable workpiece holder
[NASA-CASE-ARC-11110-1] c 37 N82-24492
- Laser surface fusion of plasma sprayed ceramic turbine seals
[NASA-CASE-LAW-13269-1] c 18 N83-20996
- Thermal barrier coating system having improved adhesion
[NASA-CASE-LEW-1335901] c 27 N83-31855
- CERAMIC NUCLEAR FUELS**
- Method of making a cermet Patent
[NASA-CASE-LEW-10219-1] c 18 N71-28729
- CERAMICS**
- Transpiration cooled turbine blade manufactured from wires Patent
[NASA-CASE-XLE-00020] c 15 N70-33226
- Foamed in place ceramic refractory insulating material Patent
[NASA-CASE-XGS-02435] c 18 N71-22998
- Method for fiberizing ceramic materials Patent
[NASA-CASE-XNP-00597] c 18 N71-23088

- Method of coating through-holes Patent
[NASA-CASE-XMF-05999] c 15 N71-29032
- Extrusion can
[NASA-CASE-NPO-10812] c 15 N73-13464
- Thermal shock resistant hafnia ceramic material
[NASA-CASE-LAR-10894-1] c 18 N73-14584
- Thermal shock and erosion resistant tantalum carbide ceramic material
[NASA-CASE-LAR-11902-1] c 27 N78-17206
- High temperature resistant cermet and ceramic compositions — for thermal resistant insulators and refractory coatings
[NASA-CASE-NPO-13690-1] c 27 N78-19302
- Thermal insulation attaching means — adhesive bonding of felt vibration insulators under ceramic tiles
[NASA-CASE-MS-C-12619-2] c 27 N79-12221
- High temperature resistant cermet and ceramic compositions
[NASA-CASE-NPO-13690-2] c 27 N79-14213
- Sandblasting nozzle
[NASA-CASE-NPO-13823-1] c 37 N81-25371
- Castable high temperature refractory materials
[NASA-CASE-LEW-13080-2] c 27 N82-11210
- Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-2] c 37 N82-26674
- Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-1] c 27 N82-29453
- Shell tile thermal protection system
[NASA-CASE-LAR-12862-1] c 24 N83-17602
- CEREBROSPINAL FLUID**
Ion beam sputter etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-2] c 52 N83-20539
- Ion beam sputter-etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-1] c 52 N83-21785
- CERENKOV RADIATION**
Cerenkov radiator material and charged particle detection process
[NASA-CASE-GSC-12805-1] c 72 N83-18423
- CERMETS**
Process of casting heavy slips Patent
[NASA-CASE-XLE-00106] c 15 N71-16076
- Method of making a cermet Patent
[NASA-CASE-LEW-10219-1] c 18 N71-28729
- Cermet composition and method of fabrication — heat resistant alloys and powders
[NASA-CASE-NPO-13120-1] c 27 N78-15311
- High temperature oxidation resistant cermet compositions
[NASA-CASE-NPO-13666-1] c 27 N77-13217
- High temperature resistant cermet and ceramic compositions — for thermal resistant insulators and refractory coatings
[NASA-CASE-NPO-13690-1] c 27 N78-19302
- High temperature resistant cermet and ceramic compositions
[NASA-CASE-NPO-13690-2] c 27 N79-14213
- Coating with overlay metallic-cermet alloy systems
[NASA-CASE-LEW-13639-2] c 26 N83-17683
- CESIUM**
Method for removing oxygen impurities from cesium Patent
[NASA-CASE-XNP-04262-2] c 17 N71-26773
- Method of producing I-123 — by bombardment of cesium causing spallation
[NASA-CASE-LEW-11390-2] c 25 N76-27383
- CESIUM DIODES**
Thermionic tantalum emitter doped with oxygen Patent Application
[NASA-CASE-NPO-11138] c 03 N70-34646
- Cavity emitter for thermionic converter Patent
[NASA-CASE-NPO-10412] c 09 N71-28421
- Thermionic energy converters
[NASA-CASE-LEW-12443-1] c 44 N83-32175
- CESIUM ENGINES**
Variable thrust ion engine utilizing thermally decomposable solid fuel Patent
[NASA-CASE-XMF-00923] c 28 N70-36802
- Method of producing porous tungsten ionizers for ion rocket engines Patent
[NASA-CASE-XLE-00455] c 28 N70-38197
- CESIUM VAPOR**
Electric power generation system directory from laser power
[NASA-CASE-NPO-13308-1] c 36 N75-30524
- CHALCOGENIDES**
Chalcogenophosphate photoelectrodes
[NASA-CASE-LAR-12958-1] c 44 N83-18025
- CHANNEL FLOW**
Method of making a regeneratively cooled combustion chamber Patent
[NASA-CASE-XLE-00150] c 28 N70-41818
- Heated element fluid flow sensor Patent
[NASA-CASE-MS-C-12084-1] c 12 N71-17569
- CHANNELS (DATA TRANSMISSION)**
Automatic fault correction system for parallel signal channels Patent
[NASA-CASE-XNP-03263] c 09 N71-18843
- Helical recorder arrangement for multiple channel recording on both sides of the tape
[NASA-CASE-GSC-10614-1] c 09 N72-11224
- Asynchronous, multiplexing, single line transmission and recovery data system — for satellite use
[NASA-CASE-NPO-13321-1] c 32 N75-26195
- High-speed data link for moderate distances and noisy environments
[NASA-CASE-NPO-14152-1] c 32 N80-18252
- CHARACTER RECOGNITION**
Automatic character skew and spacing checking network — of digital tape drive systems
[NASA-CASE-GSC-11925-1] c 33 N76-18353
- System and method for character recognition
[NASA-CASE-NPO-11337-1] c 74 N81-19896
- CHARGE COUPLED DEVICES**
CCD correlated quadruple sampling processor
[NASA-CASE-NPO-14426-1] c 33 N79-17134
- Multispectral imaging and analysis system — using charge coupled devices and linear arrays
[NASA-CASE-NPO-13691-1] c 43 N79-17288
- CCD correlated quadruple sampling processor
[NASA-CASE-NPO-14426-1] c 33 N81-27396
- Programmable scan/read circuitry for charge coupled device imaging detectors — for a startracker
[NASA-CASE-NPO-15345-1] c 33 N81-27403
- CHARGE DISTRIBUTION**
Method of erasing target material of a vidicon tube or the like Patent
[NASA-CASE-XNP-06028] c 09 N71-23189
- Charge storage diode modulators and demodulators
[NASA-CASE-NPO-10189-1] c 33 N77-21314
- CHARGE EXCHANGE**
Ion beam thruster shield
[NASA-CASE-LEW-12082-1] c 20 N77-10148
- CHARGE TRANSFER**
Magnetic counter Patent
[NASA-CASE-XNP-08836] c 09 N71-12515
- Pressure transducer — using a monomeric charge transfer complex sensor
[NASA-CASE-NPO-11150] c 35 N78-17359
- CHARGE TRANSFER DEVICES**
Charge transfer reaction laser with preionization means
[NASA-CASE-NPO-13945-1] c 36 N78-27402
- Time delay and integration detectors using charge transfer devices
[NASA-CASE-GSC-12324-1] c 33 N81-33403
- Image readout device with electronically variable spatial resolution
[NASA-CASE-LAR-12633-1] c 33 N82-24416
- CHARGED PARTICLES**
Method of forming thin window drifted silicon charged particle detector Patent
[NASA-CASE-XLE-00808] c 24 N71-10580
- Electrostatic charged particle analyzer having deflection members shaped according to the periodic voltage applied thereto Patent
[NASA-CASE-XAC-05506-1] c 24 N71-16095
- Electrostatic collector for charged particles
[NASA-CASE-LEW-11192-1] c 09 N73-13208
- Method and apparatus for neutralizing potentials induced on spacecraft surfaces
[NASA-CASE-GSC-11963-1] c 33 N77-10429
- Cerenkov radiator material and charged particle detection process
[NASA-CASE-GSC-12805-1] c 72 N83-18423
- CHARGING**
Synchronous orbit battery cycler
[NASA-CASE-GSC-11211-1] c 03 N72-25020
- CHARRING**
Ablation sensor
[NASA-CASE-XLA-01781] c 14 N69-39975
- Ablation sensor Patent
[NASA-CASE-XLA-01794] c 33 N71-21586
- CHASSIS**
Chassis unit insert tightening-extract device
[NASA-CASE-MS-C-01077-1] c 37 N79-33467
- CHECKOUT**
Electronic checkout system for space vehicles Patent
[NASA-CASE-XKS-08012-2] c 31 N71-15566
- Rapid activation and checkout device for batteries
[NASA-CASE-MFS-22749-1] c 44 N78-14601
- Decommutator patchboard verifier
[NASA-CASE-KSC-11065-1] c 33 N81-26359
- CHELATES**
Ammonium perchlorate composite propellant containing an organic transitional metal chelate catalytic additive Patent
[NASA-CASE-LAR-10173-1] c 27 N71-14090
- Chelate-modified polymers for atmospheric gas chromatography
[NASA-CASE-ARC-11154-1] c 25 N80-23383
- CHEMICAL ANALYSIS**
Analytical test apparatus and method for determining oxide content of alkali metal Patent
[NASA-CASE-XLE-01997] c 06 N71-23527
- Automated fluid chemical analyzer Patent
[NASA-CASE-XNP-09451] c 06 N71-26754
- Method for determining presence of OH in magnesium oxide
[NASA-CASE-NPO-10774] c 06 N72-17095
- Micrometeoroid analyzer
[NASA-CASE-ARC-10443-1] c 14 N73-20477
- Chromato-fluorographic drug detector — device for detecting and recording fluorescent properties of materials
[NASA-CASE-ARC-10633-1] c 25 N74-26947
- Amino acid analysis
[NASA-CASE-NPO-12130-1] c 25 N75-14844
- Gas chromatograph injection system
[NASA-CASE-ARC-10344-2] c 35 N75-26334
- Alkaline electrochemical cells and method of making
[NASA-CASE-GSC-10349-1] c 44 N82-24845
- Particle analyzing method and apparatus
[NASA-CASE-NPO-15292-1] c 35 N83-27184
- System for monitoring physical characteristics of fluids
[NASA-CASE-NPO-15400-1] c 34 N83-31993
- CHEMICAL AUXILIARY POWER UNITS**
Ion-exchange membrane with platinum electrode assembly Patent
[NASA-CASE-XMS-02063] c 03 N71-29044
- CHEMICAL BONDS**
Fluorine-containing polyformals
[NASA-CASE-XMF-06900-1] c 27 N79-21191
- Perfluoroalkyl polytriazines containing pendent iododifluoromethyl groups
[NASA-CASE-NPO-14103-1] c 25 N81-14016
- Preparation of perfluorinated 1,2,4-oxadiazoles
[NASA-CASE-ARC-11267-2] c 23 N82-28353
- CHEMICAL COMPOSITION**
Phototropic composition of matter
[NASA-CASE-XGS-03736] c 14 N72-22443
- Nitramine propellants — gun propellant burning rate
[NASA-CASE-NPO-14103-1] c 28 N78-31255
- Composition and method for making polyimide resin-reinforced fabric
[NASA-CASE-LEW-12933-1] c 27 N81-19296
- Non-toxic invert analog glass compositions of high modulus
[NASA-CASE-HQN-10328-2] c 27 N82-29454
- High modulus rare earth and beryllium containing silicate glass compositions — for glass reinforcing fibers
[NASA-CASE-HQN-10595-1] c 27 N82-29455
- Method and apparatus for mapping the distribution of chemical elements in an extended medium
[NASA-CASE-GSC-12808-1] c 45 N83-20446
- Low temperature cross linking polyimides
[NASA-CASE-LEW-12876-2] c 27 N83-29392
- CHEMICAL COMPOUNDS**
Ultraviolet atomic emission detector
[NASA-CASE-HQN-10756-1] c 14 N72-25428
- CHEMICAL ELEMENTS**
Apparatus for remote handling of materials — mixing or analyzing dangerous chemicals
[NASA-CASE-LAR-10634-1] c 37 N74-18123
- CHEMICAL ENGINEERING**
Process for the preparation of calcium superoxide
[NASA-CASE-ARC-11053-1] c 25 N79-10162
- CHEMICAL EXPLOSIONS**
Hypervelocity gun — using both electric and chemical energy for projectile propulsion
[NASA-CASE-XLE-03188-1] c 09 N79-21084
- CHEMICAL MACHINING**
Masking device Patent
[NASA-CASE-XNP-02092] c 15 N70-42033
- CHEMICAL PROPERTIES**
Method of producing alternating ether siloxane copolymers Patent
[NASA-CASE-XMF-02584] c 06 N71-20905
- Polyurethanes of fluorine containing polycarbonates
[NASA-CASE-MFS-10512] c 06 N73-30099
- Highly fluorinated polyurethanes
[NASA-CASE-NPO-10767-1] c 06 N73-33076
- Thiophenyl ether disiloxanes and trisiloxanes useful as lubricant fluids
[NASA-CASE-MFS-22411-1] c 37 N74-21058
- CHEMICAL REACTIONS**
Process for interfacial polymerization of pyromellitic dianhydride and 1,2,4, 5-tetraamino-benzene Patent
[NASA-CASE-XLA-03104] c 06 N71-11235
- Synthesis of polymeric schiff bases by schiff-base exchange reactions Patent
[NASA-CASE-XMF-08851] c 06 N71-11236

Preparation of ordered polyarylenesiloxane/polymers
[NASA-CASE-XMF-10753] c 06 N71-11237
Imidazopyrrolone/imide copolymers Patent
[NASA-CASE-XLA-08802] c 06 N71-11238
High resolution developing of photosensitive resists Patent
[NASA-CASE-XGS-04993] c 14 N71-17574
Inorganic solid film lubricants Patent
[NASA-CASE-XMF-03988] c 15 N71-21403
Process for preparation of dianilinosilanes Patent
[NASA-CASE-XMF-06409] c 06 N71-23230
Aromatic diamine-aromatic dialdehyde high molecular weight Schiff base polymers prepared in a monofunctional Schiff base Patent
[NASA-CASE-XMF-03074] c 06 N71-24740
Hydroxy terminated perfluoro ethers Patent
[NASA-CASE-NPO-10768] c 06 N71-27254
Metal containing polymers from cyclic tetrameric phenylphosphonitrimides Patent
[NASA-CASE-HQN-10384] c 06 N71-27383
Gas liquefaction and dispensing apparatus Patent
[NASA-CASE-NPO-10070] c 15 N71-27372
Epoxy-azidine polymer product Patent
[NASA-CASE-NPO-10701] c 06 N71-28620
Process for preparation of high-molecular-weight polyaryloxysilanes Patent
[NASA-CASE-XMF-08674] c 06 N71-28807
Trialkyl-dihaloantimony and niobium compounds Patent
[NASA-CASE-XNP-04023] c 06 N71-28808
Method of making foamed materials in zero gravity
[NASA-CASE-XMF-09902] c 15 N72-11387
Preparation of high purity copper fluoride
[NASA-CASE-LEW-10794-1] c 06 N72-17093
Firefly pump-metering system
[NASA-CASE-GSC-10218-1] c 15 N72-21465
Apparatus for producing metal powders
[NASA-CASE-XLE-06461-2] c 17 N72-28535
Nondestructive spot test method for titanium and titanium alloys
[NASA-CASE-LAR-10539-1] c 17 N73-12547
Self-cycling fluid heater
[NASA-CASE-MS-15567-1] c 33 N73-16918
Method of forming difunctional polyisobutylene
[NASA-CASE-NPO-10893] c 27 N73-22710
Polyurethanes from fluoroalkyl propylene glycol polyethers
[NASA-CASE-MFS-10506] c 06 N73-30100
Fluorine containing polyurethane
[NASA-CASE-MFS-10509] c 06 N73-30103
Novel polymers and method of preparing same
[NASA-CASE-NPO-10998-1] c 06 N73-32029
Polyimide foam for the thermal insulation and fire protection
[NASA-CASE-ARC-10484-1] c 27 N74-12812
Intumescent composition, foamed product prepared therefrom and process for making same
[NASA-CASE-ARC-10304-2] c 27 N74-27037
Vapor phase growth of groups 3-5 compounds by hydrogen chloride transport of the elements
[NASA-CASE-LAR-11144-1] c 25 N75-26043
Utilization of oxygen difluoride for syntheses of fluoropolymers
[NASA-CASE-NPO-12061-1] c 27 N76-16228
Method for detecting pollutants — through chemical reactions and heat treatment
[NASA-CASE-LAR-11405-1] c 45 N76-31714
Process for preparing higher oxides of the alkali and alkaline earth metals
[NASA-CASE-ARC-10992-1] c 26 N78-32229
Preparation of perfluorinated imidoylamidoximes — for eventual preparation of heat and chemical resistant polymers
[NASA-CASE-ARC-11267-1] c 23 N80-26386
An improved synthesis of 2,4,8,10-tetroxaspiro (5.5) undecane
[NASA-CASE-ARC-11243-2] c 23 N80-31472
Method for preparing addition type polyimide prepolymers
[NASA-CASE-LAR-12054-2] c 27 N81-14078
The 1,1,1-triaryl-2,2,2-trifluoroethanes and process for their synthesis
[NASA-CASE-ARC-11097-1] c 25 N82-24312
Preparation of perfluorinated 1,2,4-oxadiazoles
[NASA-CASE-ARC-11267-2] c 23 N82-28353
Apparatus and method to keep the walls of a free space reactor free from deposits of solid materials
[NASA-CASE-NPO-15851-1] c 73 N83-12986
Process for producing tns (N-methylamino) methylsilane
[NASA-CASE-MFS-25721-1] c 25 N83-25811
Chemical approach for controlling nadamide cure temperature and rate
[NASA-CASE-LEW-13770-2] c 27 N83-30651

CHEMICAL REACTORS

Chemical vapor deposition reactor — providing uniform film thickness
[NASA-CASE-NPO-13650-1] c 25 N79-28253
Sodium storage and injection system
[NASA-CASE-NPO-14384-1] c 37 N80-10494
Method of producing silicon — gas phase reactor multiple injector liquid feed system
[NASA-CASE-NPO-14382-1] c 31 N80-18231
Fluidized bed coal combustion reactor
[NASA-CASE-NPO-14273-1] c 25 N82-11144
Solar heated fluidized bed gasification system
[NASA-CASE-NPO-15071-1] c 44 N82-16475
Thermal reactor — liquid silicon production from silane gas
[NASA-CASE-NPO-14369-1] c 44 N83-10501
Apparatus and method to keep the walls of a free space reactor free from deposits of solid materials
[NASA-CASE-NPO-15851-1] c 73 N83-12986

CHEMICAL TESTS

Nondestructive spot test method for titanium and titanium alloys
[NASA-CASE-LAR-10539-1] c 17 N73-12547
Nondestructive spot test method for magnesium and magnesium alloys
[NASA-CASE-LAR-10953-1] c 17 N73-27446

CHEMILUMINESCENCE

Method and apparatus for eliminating luminol interference material
[NASA-CASE-MS-16260-1] c 51 N80-16714

CHEMOTHERAPY

Indomethacin-antihistamine combination for gastric ulceration control
[NASA-CASE-ARC-11118-2] c 52 N81-14613

CHIPS (ELECTRONICS)

Head for high speed spinner having a vacuum chuck — holding silicon dioxide chips for etching
[NASA-CASE-NPO-15227-1] c 37 N81-33482
Liquid immersion apparatus for minute articles
[NASA-CASE-MFS-25383-1] c 37 N82-12441
Integrated opto-electronic laser beam deflector position detector
[NASA-CASE-NPO-15943-1] c 36 N83-20092

CHIRP SIGNALS

Method for shaping and aiming narrow beams — sonar mapping and target identification
[NASA-CASE-NPO-14832-1] c 32 N82-18443

CHLORINATION

Specialized halogen generator for purification of water
[NASA-CASE-XLA-08913] c 14 N71-28933
Coal desulfurization by aqueous chlorination
[NASA-CASE-NPO-14902-1] c 25 N82-29371
Hydrodesulfurization of chlorinated coal
[NASA-CASE-NPO-15304-1] c 25 N83-31743

CHLOROPRENE RESINS

Flexible fire retardant polyisocyanate modified neoprene foam — for thermal protective devices
[NASA-CASE-ARC-10180-1] c 27 N74-12814

CHOKES

Current dependent filter inductance
[NASA-CASE-ERC-10139] c 09 N72-17154

CHOKES (RESTRICTIONS)

Variably positioned guide vanes for aerodynamic choking
[NASA-CASE-LAR-10642-1] c 07 N74-31270

CHOLESTEROL

Reduction of blood serum cholesterol
[NASA-CASE-NPO-12119-1] c 52 N75-15270

CHROMATOGRAPHY

Chromato-fluorographic drug detector — device for detecting and recording fluorescent properties of materials
[NASA-CASE-ARC-10633-1] c 25 N74-26947

CHROMIUM

Selective coating for solar panels — using black chrome and black nickel
[NASA-CASE-LEW-12159-1] c 44 N78-19599
Efficiency of silicon solar cells containing chromium
[NASA-CASE-NPO-15179-1] c 44 N82-26777

CHROMIUM ALLOYS

Method of heat treating age-hardenable alloys
[NASA-CASE-XNP-01311] c 26 N75-29236
Nickel ternary alloy having improved cyclic oxidation resistance
[NASA-CASE-LEW-13339-1] c 26 N82-31505

CHROMIUM COMPOUNDS

Improved chromium electrodes for REDOX cells
[NASA-CASE-LEW-13653-1] c 44 N82-22672

CHROMOSOMES

Automated clinical system for chromosome analysis
[NASA-CASE-NPO-13913-1] c 52 N79-12694

CINEMATOGRAPHY

High speed photo-optical time recording
[NASA-CASE-KSC-10294] c 14 N72-18411

Holographic motion picture camera with Doppler shift compensation
[NASA-CASE-MFS-22517-1] c 35 N76-18402

CIRCUIT BOARDS

Electrical feed-through connection for printed circuit boards and printed cable
[NASA-CASE-XMF-01483] c 14 N69-27431
Printed cable connector Patent
[NASA-CASE-XMF-00369] c 09 N70-36494
Printed circuit board with bellows rnet connection Patent
[NASA-CASE-XNP-05082] c 15 N70-41960
Electrical spot terminal assembly Patent
[NASA-CASE-NPO-10034] c 15 N71-17685
Polyimide resin-fiberglass cloth laminates for printed circuit boards
[NASA-CASE-MFS-20408] c 18 N73-12604
Circuit board package with wedge shaped covers
[NASA-CASE-MFS-21919-1] c 10 N73-25243
Tool for use in lifting pin supported objects
[NASA-CASE-NPO-13157-1] c 37 N74-32918
Shock absorbing mount for electrical components
[NASA-CASE-NPO-13253-1] c 37 N75-18573
Connector — for connecting circuits on different layers of multilayer printed circuit boards
[NASA-CASE-LAR-11709-1] c 37 N76-27567
Traveling wave tube circuit
[NASA-CASE-LEW-12013-1] c 33 N79-10339
Beam forming network
[NASA-CASE-NPO-15743-1] c 32 N83-19969
High stability amplifier
[NASA-CASE-GSC-12648-1] c 33 N83-34191

CIRCUIT BREAKERS

Mercury capillary interrupter Patent
[NASA-CASE-XNP-02251] c 12 N71-20896
Diode and protection fuse unit Patent
[NASA-CASE-XKS-03381] c 09 N71-22796
Separation simulator Patent
[NASA-CASE-XKS-04631] c 10 N71-23663
Detenting servomotor Patent
[NASA-CASE-XNP-06936] c 15 N71-24695
Circuit breaker utilizing magnetic latching relays Patent
[NASA-CASE-MS-11277] c 09 N71-29008
Multiple circuit protector device
[NASA-CASE-XMS-02744] c 33 N75-27249
Solar concentrator protective system
[NASA-CASE-NPO-15662-1] c 44 N82-28785

CIRCUIT DIAGRAMS

Excitation and detection circuitry for a flux responsive magnetic head
[NASA-CASE-XNP-04183] c 09 N69-24329
Signal multiplexer
[NASA-CASE-XGS-01110] c 07 N69-24334
Ring counter
[NASA-CASE-XGS-03095] c 09 N69-27463
Solid state switch
[NASA-CASE-XNP-09228] c 09 N69-27500
Ultra-long monostable multivibrator employing bistable semiconductor switch to allow charging of timing circuit Patent
[NASA-CASE-XGS-00381] c 09 N70-34819
Frequency shift keyed demodulator Patent
[NASA-CASE-XGS-02889] c 07 N71-11282
Difference circuit Patent
[NASA-CASE-XNP-08274] c 10 N71-13537
High voltage transistor circuit Patent
[NASA-CASE-XNP-06937] c 09 N71-19516
Weld control system using thermocouple wire Patent
[NASA-CASE-MFS-06074] c 15 N71-20393
Correlation function apparatus Patent
[NASA-CASE-XNP-00746] c 07 N71-21476
Diode and protection fuse unit Patent
[NASA-CASE-XKS-03381] c 09 N71-22796
Buck boost voltage regulation circuit Patent
[NASA-CASE-GSC-10735-1] c 10 N71-26085
Active RC networks
[NASA-CASE-ARC-10042-2] c 10 N72-11256
Microcircuit negative cutter
[NASA-CASE-XLA-09843] c 15 N72-27485
Self-regulating proportionally controlled heating apparatus and technique
[NASA-CASE-GSC-11752-1] c 77 N75-20140
Symmetrical odd-modulus frequency divider
[NASA-CASE-NPO-13426-1] c 33 N75-31330
Trielectrode capacitive pressure transducer
[NASA-CASE-ARC-10711-2] c 33 N76-21390
Frequency discriminator and phase detector circuit
[NASA-CASE-NPO-11515-1] c 33 N77-13315

CIRCUIT PROTECTION

Protection for energy conversion systems
[NASA-CASE-XGS-04808] c 03 N69-25146
Protective circuit of the spark gap type
[NASA-CASE-XAC-08981] c 09 N69-39897
Electrical load protection device Patent
[NASA-CASE-MS-12135-1] c 09 N71-12526

- Apparatus for overcurrent protection of a push-pull amplifier Patent
[NASA-CASE-MSC-12033-1] c 09 N71-13531
- Method of coating circuit paths on printed circuit boards with solder Patent
[NASA-CASE-XMF-01599] c 09 N71-20705
- Power supply circuit Patent
[NASA-CASE-XMS-00913] c 10 N71-23543
- Selective plating of etched circuits without removing previous plating Patent
[NASA-CASE-XGS-03120] c 15 N71-24047
- Failure sensing and protection circuit for converter networks Patent
[NASA-CASE-GSC-10114-1] c 10 N71-27366
- Power responsive overload sensing circuit Patent
[NASA-CASE-GSC-10667-1] c 10 N71-33129
- Saturation current protection apparatus for saturable core transformers
[NASA-CASE-ERC-10075-2] c 09 N72-22196
- Electrical insulating layer process
[NASA-CASE-LEW-10489-1] c 15 N72-25447
- Phase protection system for ac power lines
[NASA-CASE-MSC-17832-1] c 33 N74-14956
- Overvoltage protection network
[NASA-CASE-ARC-10197-1] c 33 N74-17929
- Shock absorbing mount for electrical components
[NASA-CASE-NPO-13253-1] c 37 N75-18573
- Multiple circuit protector device
[NASA-CASE-XMS-02744] c 33 N75-27249
- Multi-cell battery protection system
[NASA-CASE-LEW-12039-1] c 44 N78-14625
- Fused switch
[NASA-CASE-XMS-01244-1] c 33 N79-33393
- Base drive for paralleled inverter systems
[NASA-CASE-NPO-14163-1] c 33 N81-14220
- Shielded conductor cable system
[NASA-CASE-MSC-12745-1] c 33 N81-27397
- Push-pull converter with energy saving circuit for protecting switching transistors from peak power stress
[NASA-CASE-NPO-14316-1] c 33 N81-33404
- CIRCUITS**
- Connector - Electrical
[NASA-CASE-XLA-01288] c 09 N69-21470
- Binary magnetic memory device Patent
[NASA-CASE-XGS-00174] c 08 N70-34743
- Electronic motor control system Patent
[NASA-CASE-XMF-01129] c 09 N70-38712
- Starting circuit for vapor lamps and the like Patent
[NASA-CASE-XNP-01058] c 09 N71-12540
- Drift compensation circuit for analog to digital converter Patent
[NASA-CASE-XNP-04780] c 08 N71-19687
- High voltage divider system Patent
[NASA-CASE-XLE-02008] c 09 N71-21583
- Solar cell and circuit array and process for nullifying magnetic fields Patent
[NASA-CASE-XGS-03390] c 03 N71-23187
- Dual polarity full wave dc motor drive Patent
[NASA-CASE-XNP-07477] c 09 N71-26092
- Temperature regulation circuit Patent
[NASA-CASE-XNP-02792] c 14 N71-28958
- Pulse generating circuit employing switch means on ends of delay line for alternately charging and discharging same Patent
[NASA-CASE-XNP-00745] c 10 N71-28960
- Digital pulse width selection circuit Patent
[NASA-CASE-XLA-07788] c 09 N71-29139
- Power responsive overload sensing circuit Patent
[NASA-CASE-GSC-10667-1] c 10 N71-33129
- Pulsed excitation voltage circuit for transducers
[NASA-CASE-FRC-10038] c 09 N72-22200
- Thermal to electrical power conversion system with solid-state switches with Seebeck effect compensation
[NASA-CASE-NPO-11388] c 03 N72-23048
- Controllable load insensitive power converters
[NASA-CASE-ERC-10268] c 09 N72-25252
- Failsafe multiple transformer circuit configuration
[NASA-CASE-NPO-11078] c 09 N72-25262
- Microcircuit negative cutter
[NASA-CASE-XLA-09843] c 15 N72-27485
- Infinite range electronics gain control circuit
[NASA-CASE-GSC-10786-1] c 10 N72-28241
- Active tuned circuit
[NASA-CASE-GSC-11340-1] c 10 N72-33230
- Heat detection and compositions and devices therefor
[NASA-CASE-NPO-10764-1] c 14 N73-14428
- Driving lamps by induction
[NASA-CASE-MFS-21214-1] c 09 N73-30181
- Circuit for detecting initial systole and diastolic notch --- for monitoring arterial pressure
[NASA-CASE-LEW-11581-1] c 54 N75-13531
- Peak holding circuit for extremely narrow pulses
[NASA-CASE-MSC-14129-1] c 33 N75-18479
- High voltage distributor
[NASA-CASE-GSC-11849-1] c 33 N78-16332
- Circuit for automatic load sharing in parallel converter modules
[NASA-CASE-NPO-14056-1] c 33 N79-24257
- Process for preparing high temperature polyimide film laminates
[NASA-CASE-LAR-12742-1] c 24 N81-12174
- Method and apparatus for fabricating improved solar cell modules
[NASA-CASE-NPO-14416-1] c 44 N81-14389
- Ladder supported ring bar circuit
[NASA-CASE-LEW-13570-1] c 33 N81-24348
- Programmable scan/read circuitry for charge coupled device imaging detectors --- for a startracker
[NASA-CASE-NPO-15345-1] c 33 N81-27403
- Dielectric based submillimeter backward wave oscillator circuit
[NASA-CASE-LEW-13736-1] c 33 N83-17802
- CIRCULAR CONES**
- Optical inspection apparatus Patent
[NASA-CASE-XMF-00462] c 14 N70-34298
- CIRCULAR CYLINDERS**
- Light intensity modulator controller Patent
[NASA-CASE-XMS-04300] c 09 N71-19479
- CIRCULAR POLARIZATION**
- Electromagnetic polarization systems and methods Patent
[NASA-CASE-GSC-10021-1] c 09 N71-24595
- Virtual wall slot circularly polarized planar array antenna
[NASA-CASE-NPO-10301] c 07 N72-11148
- Circularly polarized antenna
[NASA-CASE-ERC-10214] c 09 N72-31235
- CIRCULAR TUBES**
- Evacuated displacement compression molding
[NASA-CASE-LAR-10782-1] c 31 N74-14133
- CIRCULATORS (PHASE SHIFT CIRCUITS)**
- Circulator having quarter wavelength resonant post and parametric amplifier circuits utilizing the same Patent
[NASA-CASE-XNP-02140] c 09 N71-23097
- Dielectric-loaded waveguide circulator for cryogenically cooled and cascaded maser waveguide structures
[NASA-CASE-NPO-14254-1] c 36 N80-18372
- CLAMPING CIRCUITS**
- Amplifier clamping circuit for horizon scanner Patent
[NASA-CASE-XGS-01784] c 10 N71-20782
- CLAMPS**
- Portable alignment tool Patent
[NASA-CASE-XMF-01452] c 15 N70-41371
- Hydraulic grip Patent
[NASA-CASE-XLA-05100] c 15 N71-17696
- Clamping assembly for inertial components Patent
[NASA-CASE-XMS-02184] c 15 N71-20813
- Central spar and module joint Patent
[NASA-CASE-XNP-02341] c 15 N71-21531
- Quick attach mechanism Patent
[NASA-CASE-XFR-05421] c 15 N71-22994
- Clamp-mount device
[NASA-CASE-MFS-25510-1] c 37 N82-11470
- Reusable thermal cycling clamp --- holders for directional solidification experiments
[NASA-CASE-LAR-12868-1] c 27 N82-18390
- Prosthetic occlusive device for an internal passageway
[NASA-CASE-MFS-25640-1] c 52 N82-26962
- CLAYS**
- Inorganic thermal control pigment Patent
[NASA-CASE-XNP-02139] c 18 N71-24184
- CLEAN ROOMS**
- Air conditioned suit
[NASA-CASE-LAR-10076-1] c 05 N73-20137
- CLEANERS**
- Purge device for thrust engines Patent
[NASA-CASE-XMS-04826] c 28 N71-28849
- Noncontaminating swabs
[NASA-CASE-MFS-18100] c 15 N72-11390
- CLEANING**
- Disk pack cleaning table Patent Application
[NASA-CASE-LAR-10590-1] c 15 N70-26819
- System for sterilizing objects --- cleaning space vehicle systems
[NASA-CASE-KSC-11085-1] c 54 N81-24724
- CLEAR AIR TURBULENCE**
- Clear air turbulence detector
[NASA-CASE-ERC-10081] c 14 N72-28437
- Clear air turbulence detector
[NASA-CASE-MFS-21244-1] c 36 N75-15028
- CAT altitude avoidance system
[NASA-CASE-NPO-15351-1] c 06 N83-10040
- CLEARANCES**
- Active clearance control system for a turbomachine
[NASA-CASE-LEW-12938-1] c 07 N82-32366
- Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-3] c 37 N83-28450
- Control means for a gas turbine engine
[NASA-CASE-LEW-14586-1] c 07 N83-31603
- CLEAVAGE**
- Workpiece positioning vise
[NASA-CASE-GSC-12762-1] c 37 N82-29604
- Crystal cleaving machine
[NASA-CASE-GSC-12584-1] c 37 N82-32730
- CLIMBING FLIGHT**
- Aircraft instrument Patent
[NASA-CASE-XLA-00487] c 14 N70-40157
- CLINICAL MEDICINE**
- Process for the preparation of brushite crystals
[NASA-CASE-ERC-10338] c 04 N72-33072
- Measurement of gas production of microorganisms --- using pressure sensors
[NASA-CASE-LAR-11326-1] c 35 N75-33368
- Production of L-123
[NASA-CASE-LEW-11390-3] c 25 N76-29379
- Automated clinical system for chromosome analysis
[NASA-CASE-NPO-13913-1] c 52 N79-12694
- Medical diagnosis system and method with multispectral imaging --- depth of burns and optical density of the skin
[NASA-CASE-NPO-14402-1] c 52 N81-27783
- CLIPS**
- Low X-ray absorption aneurysm clips
[NASA-CASE-LAR-12650-1] c 52 N81-29768
- CLOCKS**
- Time synchronization system utilizing moon reflected coded signals Patent
[NASA-CASE-NPO-10143] c 10 N71-26326
- Counter Patent
[NASA-CASE-XNP-06234] c 10 N71-27137
- Fault tolerant clock apparatus utilizing a controlled minority of clock elements
[NASA-CASE-MSC-12531-1] c 35 N75-30504
- Clock setter
[NASA-CASE-LAR-11458-1] c 35 N76-16392
- CLOSED CIRCUIT TELEVISION**
- Spacecraft docking and alignment system --- using television camera system
[NASA-CASE-MSC-12559-1] c 18 N76-14186
- CLOSED CYCLES**
- Closed loop ranging system Patent
[NASA-CASE-XNP-01501] c 21 N70-41930
- Digital phase-locked loop
[NASA-CASE-GSC-11623-1] c 33 N75-25040
- Lead-oxygen dc power supply system having a closed loop oxygen and water system
[NASA-CASE-MFS-23059-1] c 44 N76-27664
- MHD electrical generator
[NASA-CASE-NPO-15399-1] c 75 N82-24079
- CLOSED ECOLOGICAL SYSTEMS**
- Recovery of potable water from human wastes in below-G conditions Patent
[NASA-CASE-XLA-03213] c 05 N71-11207
- Space vehicle with artificial gravity and earth-like environment
[NASA-CASE-LEW-11101-1] c 31 N73-32750
- Regenerable device for scrubbing breathable air of CO₂ and moisture without special heat exchanger equipment
[NASA-CASE-MSC-14771-1] c 54 N77-32722
- Cell and method for electrolysis of water and anode
[NASA-CASE-MSC-16394-1] c 28 N81-24280
- CLOSURES**
- Canister closing device Patent
[NASA-CASE-XLA-01446] c 15 N71-21528
- Spacesuit torso closure
[NASA-CASE-ARC-11100-1] c 54 N78-31736
- CLOUD CHAMBERS**
- Heat transfer device
[NASA-CASE-MFS-22938-1] c 34 N76-18374
- CLOUD COVER**
- Cloud cover sensor
[NASA-CASE-NPO-14936-1] c 47 N83-32232
- CLOUDS (METEOROLOGY)**
- Rocket borne instrument to measure electric fields inside electrified clouds
[NASA-CASE-KSC-10730-1] c 14 N73-32318
- Electric field measuring and display system --- for cloud formations
[NASA-CASE-KSC-10731-1] c 33 N74-27862
- CLUTCHES**
- Directional gear ratio transmission
[NASA-CASE-LAR-12644-1] c 37 N82-29605
- Rotary stepping device with memory metal actuator
[NASA-CASE-NPO-15482-1] c 37 N83-36484
- CLUTTER**
- Clutter free synthetic aperture radar correlator
[NASA-CASE-NPO-14035-1] c 32 N83-19968
- CMOS**
- Complementary DMOS-VMOS integrated circuit structure
[NASA-CASE-GSC-12190-1] c 33 N79-12321
- COAL**
- Underground mineral extraction
[NASA-CASE-NPO-14140-1] c 31 N78-24387
- Coal-shale interface detection
[NASA-CASE-MFS-23720-3] c 43 N79-25443

- Thickness measurement system
[NASA-CASE-MFS-23721-1] c 31 N79-28370
- Coal-rock interface detector
[NASA-CASE-MFS-23725-1] c 43 N79-31706
- Coal-shale interface detection system
[NASA-CASE-MFS-23720-2] c 43 N80-14423
- Coal-shale interface detector
[NASA-CASE-MFS-23720-1] c 43 N80-23711
- Coal desulfurization — using iron pentacarbonyl
[NASA-CASE-NPO-14272-1] c 25 N81-33246
- Supercritical multicomponent solvent coal extraction
[NASA-CASE-NPO-15767-1] c 28 N82-12241
- Coal desulfurization by aqueous chlorination
[NASA-CASE-NPO-14902-1] c 25 N82-29371
- Longwall shearer tracking system
[NASA-CASE-MFS-25717-1] c 43 N83-14607
- High production shuttle car system for coal mines
[NASA-CASE-NPO-15949-1] c 37 N83-20155
- Hydrodesulfurization of chlorinated coal
[NASA-CASE-NPO-15304-1] c 25 N83-31743
- Fluidized bed desulfurization
[NASA-CASE-NPO-15924-1] c 25 N83-36122
- COAL GASIFICATION**
Pressure letdown method and device for coal conversion systems
[NASA-CASE-NPO-15100-1] c 28 N81-33306
- Solar heated fluidized bed gasification system
[NASA-CASE-NPO-15071-1] c 44 N82-16475
- Micronized coal burner facility
[NASA-CASE-LEW-13426-1] c 44 N82-31769
- COAL LIQUEFACTION**
Surfactant-assisted liquefaction of particulate carbonaceous substances
[NASA-CASE-NPO-13904-1] c 25 N79-11152
- Autocatalytic coal liquefaction process
[NASA-CASE-NPO-14876-2] c 28 N82-25394
- Fluidized bed coal liquefaction
[NASA-CASE-NPO-15891-1] c 25 N83-36120
- COAL UTILIZATION**
Coal desulfurization process
[NASA-CASE-NPO-13937-1] c 44 N78-31527
- Continuous coal processing method
[NASA-CASE-NPO-13758-2] c 31 N81-15154
- Fluidized bed coal combustion reactor
[NASA-CASE-NPO-14273-1] c 25 N82-11144
- Supercritical solvent coal extraction
[NASA-CASE-NPO-15210-1] c 28 N82-26481
- COATING**
Method of coating circuit paths on printed circuit boards with solder Patent
[NASA-CASE-XMF-01599] c 09 N71-20705
- Process for applying black coating to metals Patent
[NASA-CASE-XLA-06199] c 15 N71-24875
- Method of forming metal hydride films
[NASA-CASE-LEW-12083-1] c 37 N78-13436
- Selective coating for solar panels — using black chrome and black nickel
[NASA-CASE-LEW-12159-1] c 44 N78-19599
- Boron trifluoride coatings for thermoplastic materials and method of applying same in glow discharge
[NASA-CASE-ARC-11057-1] c 27 N78-31233
- Process for producing a well-adhered durable optical coating on an optical plastic substrate — abrasion resistant polymethyl methacrylate lenses
[NASA-CASE-ARC-11039-1] c 74 N78-32854
- Contactless pellet fabrication — targets for inertial confinement fusion
[NASA-CASE-NPO-15592-1] c 31 N83-17748
- COATINGS**
Bonded solid lubricant coating Patent
[NASA-CASE-XMS-00259] c 18 N70-38400
- High contrast cathode ray tube
[NASA-CASE-ERC-10468] c 09 N72-20206
- Durable antistatic coating for polymethylmethacrylate
[NASA-CASE-NPO-13867-1] c 27 N78-14164
- Edge coating of flat wires
[NASA-CASE-XMF-05757-1] c 31 N79-21227
- Heat sealable, flame and abrasion resistant coated fabric
[NASA-CASE-MS-18382-2] c 27 N82-24344
- Carboranyl-methylene-substituted phosphazenes, polymers thereof and process for the production thereof
[NASA-CASE-ARC-11370-1] c 27 N83-25884
- Advanced inorganic separators for alkaline batteries and method of making the same
[NASA-CASE-LEW-13171-2] c 44 N83-32176
- COAXIAL CABLES**
Transmission line thermal short Patent
[NASA-CASE-XNP-09775] c 09 N71-20445
- Coaxial cable connector Patent
[NASA-CASE-XNP-04732] c 09 N71-20851
- Transducer circuit and catheter transducer Patent
[NASA-CASE-ARC-10132-1] c 09 N71-24597
- Collapsible antenna boom and transmission line Patent
[NASA-CASE-MFS-20068] c 07 N71-27191
- Vibration isolation system using compression springs
[NASA-CASE-NPO-11012] c 15 N72-11391
- Hermetically sealed semiconductor
[NASA-CASE-GSC-10791-1] c 15 N73-14469
- System for stabilizing cable phase delay utilizing a coaxial cable under pressure
[NASA-CASE-NPO-13138-1] c 33 N74-17927
- Refrigerated coaxial coupling — for microwave equipment
[NASA-CASE-NPO-13504-1] c 33 N75-30430
- High power RF coaxial switch
[NASA-CASE-NPO-14229-1] c 33 N80-18285
- COAXIAL PLASMA ACCELERATORS**
Self-energized plasma compressor
[NASA-CASE-MFS-22145-2] c 75 N76-17951
- COBALT ALLOYS**
High temperature cobalt-base alloy Patent
[NASA-CASE-XLE-00728] c 17 N71-15644
- High temperature cobalt-base alloy Patent
[NASA-CASE-XLE-02991] c 17 N71-16025
- High temperature ferromagnetic cobalt-base alloy Patent
[NASA-CASE-XLE-03629] c 17 N71-23248
- Cobalt-base alloy
[NASA-CASE-LEW-10438-1] c 17 N73-32415
- Overlay metallic-cermet alloy coating systems — for gas turbine engines
[NASA-CASE-LEW-13639-1] c 27 N82-33522
- COBALT OXIDES**
High contrast cathode ray tube
[NASA-CASE-ERC-10468] c 09 N72-20206
- COCKPIT SIMULATORS**
Controlled visibility device for an aircraft Patent
[NASA-CASE-XFR-04147] c 11 N71-10748
- COCKPITS**
Aircraft canopy lock
[NASA-CASE-FRC-11065-1] c 05 N83-19737
- CODERS**
Encoder/decoder system for a rapidly synchronizable binary code Patent
[NASA-CASE-NPO-10342] c 10 N71-33407
- Modular encoder
[NASA-CASE-NPO-10629] c 08 N72-18184
- Method and apparatus for decoding compatible convolutional codes
[NASA-CASE-MS-14070-1] c 32 N74-32598
- Digital plus analog output encoder
[NASA-CASE-GSC-12115-1] c 62 N76-31946
- Twin-capacitive shaft angle encoder with analog output signal
[NASA-CASE-ARC-10897-1] c 33 N77-31404
- CODING**
Error correcting method and apparatus Patent
[NASA-CASE-XNP-02748] c 08 N71-22749
- Rate data encoder
[NASA-CASE-LAR-10128-1] c 08 N73-20217
- Binary concatenated coding system
[NASA-CASE-MS-14082-1] c 60 N78-23850
- Differential pulse code modulation
[NASA-CASE-MS-12506-1] c 32 N77-12239
- COEFFICIENT OF FRICTION**
Static coefficient test method and apparatus
[NASA-CASE-GSC-11893-1] c 35 N76-31489
- Locking redundant link
[NASA-CASE-LAR-11900-1] c 37 N79-14382
- COENZYMES**
Flavin coenzyme assay
[NASA-CASE-GSC-10565-1] c 06 N72-25149
- COHERENT ELECTROMAGNETIC RADIATION**
Folded traveling wave maser structure Patent
[NASA-CASE-XNP-05219] c 16 N71-15550
- Focused image holography with extended sources Patent
[NASA-CASE-ERC-10019] c 18 N71-15551
- Off-axis coherently pumped laser
[NASA-CASE-GSC-12592-1] c 36 N81-12407
- COHERENT LIGHT**
Hybrid holographic system using reflected and transmitted object beams simultaneously Patent
[NASA-CASE-MFS-20074] c 16 N71-15565
- Amplitude modulated laser transmitter Patent
[NASA-CASE-XMS-04269] c 16 N71-22895
- Device for measuring light scattering wherein the measuring beam is successively reflected between a pair of parallel reflectors Patent
[NASA-CASE-XER-11203] c 14 N71-28994
- COHERENT RADIATION**
Laser communication system for controlling several functions at a location remote to the laser
[NASA-CASE-LAR-10311-1] c 16 N73-16536
- Monitoring atmospheric pollutants with a heterodyne radiometer transmitter-receiver
[NASA-CASE-NPO-11919-1] c 35 N74-11284
- Apparatus for scanning the surface of a cylindrical body
[NASA-CASE-NPO-11861-1] c 36 N74-20009
- Optically detonated explosive device
[NASA-CASE-NPO-11743-1] c 28 N74-27425
- Method and apparatus for generating coherent radiation in the ultra-violet region and above by use of distributed feedback
[NASA-CASE-NPO-13346-1] c 36 N76-29575
- Coherently pulsed laser source
[NASA-CASE-NPO-15111-1] c 36 N82-29589
- COINCIDENCE CIRCUITS**
Frequency measurement by coincidence detection with standard frequency
[NASA-CASE-MS-14649-1] c 33 N76-16331
- COLD CATHODES**
Meteoroid detector
[NASA-CASE-LAR-10483-1] c 14 N73-32327
- COLD GAS**
Annular arc accelerator shock tube
[NASA-CASE-NPO-13528-1] c 09 N77-10071
- COLD WELDING**
Method of cold welding using ion beam technology
[NASA-CASE-LEW-12982-1] c 37 N81-19455
- COLD WORKING**
Hydroforming techniques using epoxy molds Patent
[NASA-CASE-XLE-05641-1] c 15 N71-26348
- COLLAPSE**
Collapsible pistons
[NASA-CASE-MS-13789-1] c 11 N73-32152
- COLLECTION**
Automatic liquid inventory collecting and dispensing unit
[NASA-CASE-LAR-11071-1] c 35 N75-19611
- Urine collection device
[NASA-CASE-MS-16433-1] c 52 N78-27750
- Absorbent product to absorb fluids — for collection of human wastes
[NASA-CASE-MS-18223-1] c 24 N82-29362
- COLLIMATION**
Long range laser traversing system
[NASA-CASE-GSC-11262-1] c 36 N74-21091
- Optical alignment device
[NASA-CASE-ARC-10832-1] c 74 N76-22893
- Spatial filter for Q-switched lasers
[NASA-CASE-LEW-12164-1] c 36 N77-32478
- Dual acting slit control mechanism
[NASA-CASE-LAR-11370-1] c 35 N80-28686
- Method for shaping and aiming narrow beams — sonar mapping and target identification
[NASA-CASE-NPO-14632-1] c 32 N82-18443
- Beam forming network
[NASA-CASE-NPO-15743-1] c 32 N83-19969
- Sonic levitation apparatus
[NASA-CASE-MFS-25828-1] c 71 N83-26646
- Dual laser optical system and method for studying fluid flow
[NASA-CASE-MFS-25315-1] c 36 N83-29680
- COLLIMATORS**
X-ray reflection collimator adapted to focus X-radiation directly on a detector Patent
[NASA-CASE-XHQ-04106] c 14 N70-40240
- Collimator of multiple plates with axially aligned identical random arrays of apertures
[NASA-CASE-MFS-20546-2] c 14 N73-30389
- Multiplate focusing collimator — for scanning small near radiation sources
[NASA-CASE-MFS-20932-1] c 35 N75-19616
- Method for shaping and aiming narrow beams — sonar mapping and target identification
[NASA-CASE-NPO-14632-1] c 32 N82-18443
- Constant magnification optical tracking system
[NASA-CASE-NPO-14813-1] c 74 N82-24072
- Multiprism collimator
[NASA-CASE-GSC-12608-1] c 74 N83-10900
- COLLISION AVOIDANCE**
Cooperative Doppler radar system Patent
[NASA-CASE-LAR-10403] c 21 N71-11766
- Satellite aided vehicle avoidance system Patent
[NASA-CASE-ERC-10090] c 21 N71-24948
- Stacked array of omnidirectional antennas
[NASA-CASE-LAR-10545-1] c 09 N72-21244
- Display research collision warning system
[NASA-CASE-HQN-10703] c 21 N73-13843
- Apparatus for aiding a pilot in avoiding a midair collision between aircraft
[NASA-CASE-LAR-10717-1] c 21 N73-30641
- Satellite aided vehicle avoidance system
[NASA-CASE-ERC-10419-1] c 03 N75-30132
- COLLOIDAL GENERATORS**
Colloid propulsion method and apparatus Patent
[NASA-CASE-XLE-00817] c 28 N70-33265
- COLLOIDAL PROPELLANTS**
Colloid propulsion method and apparatus Patent
[NASA-CASE-XLE-00817] c 28 N70-33265
- Low viscosity magnetic fluid obtained by the colloidal suspension of magnetic particles Patent
[NASA-CASE-XLE-01512] c 12 N70-40124

- Annular slit collod thrustor Patent
[NASA-CASE-GSC-10709-1] c 28 N71-25213
- COLLOIDS**
The 2 deg/90 deg laboratory scattering photometer — particulate refractivity in hydrosols
[NASA-CASE-GSC-12088-1] c 74 N78-13874
- COLOR**
Nondestructive spot test method for magnesium and magnesium alloys
[NASA-CASE-LAR-10953-1] c 17 N73-27448
Spectrally balanced chromatic landing approach lighting system
[NASA-CASE-ARC-10990-1] c 04 N82-16059
- COLOR PHOTOGRAPHY**
Method of recording a gas flow pattern Patent
[NASA-CASE-XMF-01779] c 12 N71-20815
Method for retarding dye fading during archival storage of developed color photographic film — inert atmosphere
[NASA-CASE-MFS-23250-1] c 35 N82-11432
- COLOR TELEVISION**
Color television systems using a single gun color cathode ray tube Patent
[NASA-CASE-ERC-10098] c 09 N71-28618
Color television system
[NASA-CASE-MSC-12146-1] c 07 N72-17109
Scan converting video tape recorder
[NASA-CASE-NPO-10166-1] c 07 N73-22078
Scan converting video tape recorder
[NASA-CASE-NPO-10166-2] c 35 N76-16391
System for producing chroma signals
[NASA-CASE-MSC-14683-1] c 74 N77-18893
Full color hybrid display for aircraft simulators — landing aids
[NASA-CASE-ARC-10903-1] c 09 N78-18083
- COLOR VISION**
Color perception tester
[NASA-CASE-KSC-10278] c 05 N72-16015
- COLUMNS**
Lightweight structural columns — space erectable trusses
[NASA-CASE-LAR-12095-1] c 31 N81-25258
- COLUMNS (PROCESS ENGINEERING)**
Micropacked column for a chromatographic system
[NASA-CASE-XNP-04816] c 06 N69-39936
- COLUMNS (SUPPORTS)**
Telescoping columns — parabolic antenna support
[NASA-CASE-LAR-12195-1] c 31 N81-27324
Self-locking mechanical center joint — for space construction
[NASA-CASE-LAR-12864-1] c 37 N82-29606
- COMBINATORIAL ANALYSIS**
Apparatus for computing square roots Patent
[NASA-CASE-XGS-04768] c 08 N71-19437
- COMBUSTION**
Combustion detector
[NASA-CASE-LAR-10739-1] c 14 N73-16484
- COMBUSTION CHAMBERS**
Rocket chamber leak test fixture
[NASA-CASE-XFR-09479] c 14 N69-27503
Rocket propellant injector Patent
[NASA-CASE-XLE-00103] c 28 N70-33241
Formed metal ribbon wrap Patent
[NASA-CASE-XLE-00164] c 15 N70-38411
Injector-valve device Patent
[NASA-CASE-XLE-00303] c 15 N70-38535
Ignition system for monopropellant combustion devices Patent
[NASA-CASE-XNP-00249] c 28 N70-38249
Method of making a regeneratively cooled combustion chamber Patent
[NASA-CASE-XLE-00150] c 28 N70-41818
Control of transverse instability in rocket combustors Patent
[NASA-CASE-XLE-04603] c 33 N71-21507
Combustion chamber Patent
[NASA-CASE-XLE-04857] c 28 N71-23968
Rocket engine injector Patent
[NASA-CASE-XLE-03157] c 28 N71-24738
Coaxial injector for reaction motors
[NASA-CASE-NPO-11095] c 15 N72-25455
Swirl can primary combustor
[NASA-CASE-LEW-11326-1] c 23 N73-30665
Method of electroforming a rocket chamber
[NASA-CASE-LEW-11118-1] c 20 N74-32919
Controlled separation combustor — airflow distribution in gas turbine engines
[NASA-CASE-LEW-11593-1] c 20 N76-14190
Fuel combustor
[NASA-CASE-LEW-12137-1] c 25 N78-10224
Direct heating surface combustor
[NASA-CASE-LEW-11877-1] c 34 N78-27357
Combustor — low nitrogen oxide formation
[NASA-CASE-NPO-13958-1] c 25 N79-11151
- Heat exchanger — rocket combustion chambers and cooling systems
[NASA-CASE-LEW-12252-1] c 34 N79-13288
General purpose rocket furnace
[NASA-CASE-MFS-23460-1] c 12 N79-26075
Reduction of nitric oxide emissions from a combustor
[NASA-CASE-ARC-10814-2] c 07 N80-26288
Diesel engine catalytic combustor system — turbocharging
[NASA-CASE-LEW-12995-1] c 37 N80-26659
Heat pipes to reduce engine exhaust emissions
[NASA-CASE-LEW-12590-1] c 25 N81-19245
Fluidized bed coal combustion reactor
[NASA-CASE-NPO-14273-1] c 25 N82-11144
Micronized coal burner facility
[NASA-CASE-LEW-13426-1] c 44 N82-31769
Steam cooled rich-burn combustor liner
[NASA-CASE-LEW-13609-1] c 25 N83-17628
- COMBUSTION CONTROL**
Burning rate control of solid propellants Patent
[NASA-CASE-XLE-03494] c 27 N71-21819
- COMBUSTION EFFICIENCY**
Rocket engine injector Patent
[NASA-CASE-XLE-00111] c 28 N70-38199
- COMBUSTION PHYSICS**
Solid propellant rocket motor
[NASA-CASE-NPO-11559] c 28 N73-24784
Plasma igniter for internal combustion engine
[NASA-CASE-NPO-13828-1] c 37 N79-11405
- COMBUSTION PRODUCTS**
Separation nut Patent
[NASA-CASE-XGS-01971] c 15 N71-15922
Combustion products generating and metering device
[NASA-CASE-GSC-11095-1] c 14 N72-10375
System for minimizing internal combustion engine pollution emission
[NASA-CASE-NPO-13402-1] c 37 N78-18457
Coal desulfurization process
[NASA-CASE-NPO-13937-1] c 44 N78-31527
Combustor — low nitrogen oxide formation
[NASA-CASE-NPO-13958-1] c 25 N79-11151
- COMBUSTION STABILITY**
Control of transverse instability in rocket combustors Patent
[NASA-CASE-XLE-04603] c 33 N71-21507
- COMET TAILS**
Ion mass spectrometer — exploring comet tails
[NASA-CASE-NPO-15423-1] c 91 N82-25042
- COMFORT**
Ride quality meter
[NASA-CASE-LAR-12882-1] c 54 N81-31848
- COMMAND AND CONTROL**
Multiple rate digital command detection system with range clean-up capability
[NASA-CASE-NPO-13753-1] c 32 N77-20289
Common data buffer system — communication with computational equipment utilized in spacecraft operations
[NASA-CASE-KSC-11048-1] c 62 N81-24779
- COMMAND MODULES**
Low onset rate energy absorber
[NASA-CASE-MSC-12279] c 15 N72-17450
- COMMUNICATING**
Communications link for computers
[NASA-CASE-NPO-11161] c 08 N72-25207
- COMMUNICATION**
Correlation function apparatus Patent
[NASA-CASE-XNP-00746] c 07 N71-21476
System for improving signal-to-noise ratio of a communication signal
[NASA-CASE-MSC-12259-2] c 07 N72-33146
- COMMUNICATION CABLES**
Method of making a molded connector Patent
[NASA-CASE-XMF-03498] c 15 N71-15986
Process for making RF shielded cable connector assemblies and the products formed thereby
[NASA-CASE-GSC-11215-1] c 09 N73-28083
Fiber distributed feedback laser
[NASA-CASE-NPO-13531-1] c 36 N76-24553
High-speed data link for moderate distances and noisy environments
[NASA-CASE-NPO-14152-1] c 32 N80-18252
High acceleration cable deployment system
[NASA-CASE-ARC-11256-1] c 15 N82-24272
- COMMUNICATION EQUIPMENT**
Elimination of frequency shift in a multiplex communication system Patent
[NASA-CASE-XNP-01306] c 07 N71-20814
Decoder system Patent
[NASA-CASE-NPO-10118] c 07 N71-24741
Data-aided carrier tracking loops
[NASA-CASE-NPO-11282] c 10 N73-16205
Doppler compensation by shifting transmitted object frequency within limits
[NASA-CASE-GSC-10087-4] c 07 N73-20174
- Differential phase shift keyed communication system
[NASA-CASE-MSC-14065-1] c 32 N74-26654
- COMMUNICATION NETWORKS**
Multicomputer communication system
[NASA-CASE-NPO-15433-1] c 62 N83-20634
- COMMUNICATION SATELLITES**
Passive communication satellite Patent
[NASA-CASE-XLA-00210] c 30 N70-40309
Apparatus providing a directive field pattern and attitude sensing of a spin stabilized satellite Patent
[NASA-CASE-XGS-02607] c 31 N71-23009
Deep space monitor communication satellite system Patent
[NASA-CASE-XAC-06029-1] c 31 N71-24813
Satellite communication system Patent
[NASA-CASE-XNP-02389] c 07 N71-28900
Satellite aided vehicle avoidance system
[NASA-CASE-ERC-10419-1] c 03 N75-30132
Ultra stable frequency distribution system
[NASA-CASE-NPO-13836-1] c 32 N78-15323
Beam forming network
[NASA-CASE-NPO-15743-1] c 32 N83-19969
- COMMUTATION**
High speed low level electrical stepping switch Patent
[NASA-CASE-XAC-00060] c 09 N70-39915
Elimination of current spikes in buck power converters
[NASA-CASE-NPO-14505-1] c 33 N81-19393
- COMMUTATORS**
Scanning aspect sensor employing an apertured disc and a commutator
[NASA-CASE-XGS-08266] c 14 N69-27432
Current steering commutator
[NASA-CASE-NPO-10743] c 08 N72-21199
- COMPARATOR CIRCUITS**
Digital frequency discriminator Patent
[NASA-CASE-MFS-14322] c 08 N71-18692
Pulsed differential comparator circuit Patent
[NASA-CASE-XLE-03804] c 10 N71-19471
Multi-cell battery protection system
[NASA-CASE-LEW-12039-1] c 44 N78-14625
Window comparator
[NASA-CASE-FRC-10090-1] c 33 N78-18308
- COMPARATORS**
Fluid flow meter with comparator reference means Patent
[NASA-CASE-XGS-01331] c 14 N71-22996
Comparator for the comparison of two binary numbers Patent
[NASA-CASE-XNP-04819] c 08 N71-23295
High stability buffered phase comparator
[NASA-CASE-GSC-12645-1] c 33 N81-31482
- COMPENSATORS**
Star image motion compensator
[NASA-CASE-LAR-10523-1] c 14 N72-22444
Thermal compensator for closed-cycle helium refrigerator — assuring constant temperature for an infrared laser diode
[NASA-CASE-GSC-12168-1] c 31 N79-17029
Apparatus for and method of compensating dynamic unbalance
[NASA-CASE-GSC-12550-1] c 37 N81-22358
- COMPLEX COMPOUNDS**
Synthesis of polyformals
[NASA-CASE-ARC-11244-1] c 23 N82-16174
- COMPONENT RELIABILITY**
Electrical self-aligning connector
[NASA-CASE-MFS-25211-2] c 33 N83-29592
- COMPOSITE MATERIALS**
Reinforced metallic composites Patent
[NASA-CASE-XLE-02428] c 17 N70-33288
Method of making fiber reinforced metallic composites Patent
[NASA-CASE-XLE-00231] c 17 N70-38198
Reinforced metallic composites Patent
[NASA-CASE-XLE-00228] c 17 N70-38490
Unfired-ceramic flame-resistant insulation and method of making the same Patent
[NASA-CASE-XMF-01030] c 18 N70-41583
Process of casting heavy slips Patent
[NASA-CASE-XLE-00108] c 15 N71-16076
Lightweight refractory insulation and method of preparing the same Patent
[NASA-CASE-XMF-05279] c 18 N71-16124
Flexible composite membrane Patent
[NASA-CASE-XNP-08837] c 18 N71-16210
Low temperature flexure fatigue cryostat Patent
[NASA-CASE-XMF-02964] c 14 N71-17659
Method for producing fiber reinforced metallic composites Patent
[NASA-CASE-XLE-03925] c 18 N71-22894
Solar cell matrix
[NASA-CASE-NPO-11190] c 03 N71-34044
Method of forming shapes from planar sheets of thermosetting materials
[NASA-CASE-NPO-11036] c 15 N72-24522

Method of making fiber composites
[NASA-CASE-LEW-10424-2-2] c 18 N72-25539

Thermal compensating structural member
[NASA-CASE-MFS-20433] c 15 N72-28496

Bearing material — composite material with low friction surface for rolling or sliding contact
[NASA-CASE-LEW-11930-1] c 24 N76-22309

Fluid seal for rotating shafts
[NASA-CASE-LEW-11876-1] c 37 N76-22541

Non-flammable elastomeric fiber from a fluorinated elastomer and containing an halogenated flame retardant
[NASA-CASE-MSC-14331-1] c 27 N76-24405

Method of growing composites of the type exhibiting the Soret effect — improved structure of eutectic alloy crystals
[NASA-CASE-MFS-22926-1] c 24 N77-27187

Hybrid composite laminate structures
[NASA-CASE-LEW-12118-1] c 24 N77-27188

Honeycomb-laminate composite structure
[NASA-CASE-ARC-10913-1] c 24 N78-15180

High temperature resistant cermet and ceramic compositions — for thermal resistant insulators and refractory coatings
[NASA-CASE-NPO-13690-1] c 27 N78-18302

Molded composite pyrogen igniter for rocket motors — solid propellant ignition
[NASA-CASE-LAR-12018-1] c 20 N78-24275

Atomic hydrogen storage method and apparatus
[NASA-CASE-LEW-12081-1] c 28 N78-24385

Method of making bearing materials — self-lubricating, oxidation resistant composites for high temperature applications
[NASA-CASE-LEW-11930-4] c 24 N79-17916

Composite seal for turbomachinery — backings for turbine engine shrouds
[NASA-CASE-LEW-12131-1] c 37 N79-18318

Crystalline polyimides — reinforcing fibers for high temperature composites and adhesives as well as flame retardation
[NASA-CASE-LAR-12099-1] c 27 N80-16158

Cork-resin ablative insulation for complex surfaces and method for applying the same
[NASA-CASE-MFS-23626-1] c 24 N80-26388

Method of making bearing material
[NASA-CASE-LEW-11930-3] c 24 N80-33482

Tackifier for addition polymers containing monoethylphthalate
[NASA-CASE-LAR-12642-1] c 27 N81-29229

Elastomer coated filler and composites thereof comprising at least 60% by weight of a hydrated filler and an elastomer containing an acid substituent
[NASA-CASE-NPO-14857-1] c 27 N83-19900

Piezoelectric composite materials
[NASA-CASE-LEW-12582-1] c 76 N83-34796

COMPOSITE PROPELLANTS
Ammonium perchlorate composite propellant containing an organic transitional metal chelate catalytic additive
[NASA-CASE-LAR-10173-1] c 27 N71-14090

Silicone containing solid propellant
[NASA-CASE-NPO-14477-1] c 28 N80-28536

Recovery of aluminum from composite propellants
[NASA-CASE-NPO-14110-1] c 28 N81-15119

COMPOSITE STRUCTURES
Inflatable honeycomb Patent
[NASA-CASE-XLA-00204] c 32 N70-36536

Composite powerplant and shroud therefor Patent
[NASA-CASE-XLA-01043] c 28 N71-10780

Bonding method in the manufacture of continuous regression rate sensor devices
[NASA-CASE-LAR-10337-1] c 24 N75-30260

Leading edge protection for composite blades
[NASA-CASE-LEW-12550-1] c 24 N77-19170

Composite sandwich lattice structure
[NASA-CASE-LAR-11898-1] c 24 N78-10214

Method of making a composite sandwich lattice structure
[NASA-CASE-LAR-11898-2] c 24 N78-17149

Low density bismaleimide-carbon microballoon composites — aircraft and submarine compartment safety
[NASA-CASE-ARC-11040-2] c 24 N78-27184

Aluminum or copper substrate panel for selective absorption of solar energy
[NASA-CASE-MFS-23518-3] c 44 N80-16452

Lightweight structural columns — space erectable trusses
[NASA-CASE-LAR-12095-1] c 31 N81-25258

COMPOSITION (PROPERTY)
Moving particle composition analyzer
[NASA-CASE-GSC-11889-1] c 35 N76-16393

COMPRESSED AIR
Valve actuator Patent
[NASA-CASE-XHQ-01208] c 15 N70-35409

COMPRESSIBILITY

Nozzle extraction process and handmeter for measuring handle
[NASA-CASE-LAR-12147-1] c 31 N79-11246

COMPRESSIBLE FLUIDS

Apparatus having coaxial capacitor structure for measuring fluid density Patent
[NASA-CASE-LEW-00143] c 14 N70-36618

Apparatus for tensile testing Patent
[NASA-CASE-XKS-06250] c 14 N71-15600

COMPRESSING

Refrigeration apparatus Patent
[NASA-CASE-XNP-08877] c 15 N71-23025

Method for compression molding of thermosetting plastics utilizing a temperature gradient across the plastic to cure the article
[NASA-CASE-LAR-10489-1] c 31 N74-18124

COMPRESSION LOADS

Pressure transducer
[NASA-CASE-NPO-10832] c 14 N72-21405

Solid medium thermal engine
[NASA-CASE-ARC-10481-1] c 44 N74-33379

Locking redundant link
[NASA-CASE-LAR-11900-1] c 37 N79-14382

Fixture for environmental exposure of structural materials under compression load
[NASA-CASE-LAR-12602-1] c 39 N83-32081

COMPRESSION RATIO

Automatic compression adjusting mechanism for internal combustion engines
[NASA-CASE-MSC-18807-1] c 37 N83-36483

COMPRESSION TESTS

Compression test assembly
[NASA-CASE-LAR-10440-1] c 14 N73-32323

Anti-buckling fatigue test assembly — for subjecting metal specimen to tensile and compressive loads at constant temperature
[NASA-CASE-LAR-10426-1] c 09 N74-19528

Compression test apparatus
[NASA-CASE-MSC-18723-1] c 35 N83-21312

COMPRESSOR BLADES

Welding blades to rotors
[NASA-CASE-LEW-10533-1] c 15 N73-28515

Control means for a gas turbine engine
[NASA-CASE-LEW-14586-1] c 07 N83-31603

COMPRESSOR ROTORS

Active clearance control system for a turbomachine
[NASA-CASE-LEW-12938-1] c 07 N82-32366

COMPRESSORS

Thermal pump-compressor for space use Patent
[NASA-CASE-XLA-00377] c 33 N71-17610

Self-energized plasma compressor
[NASA-CASE-MFS-22145-2] c 75 N76-17951

Gas compression apparatus
[NASA-CASE-MSC-14757-1] c 35 N78-10428

Composite seal for turbomachinery
[NASA-CASE-LEW-12131-2] c 37 N80-26658

Magnetically actuated compressor
[NASA-CASE-GSC-12799-1] c 37 N83-20153

Cycling Joule Thomson refrigerator
[NASA-CASE-NPO-15251-1] c 31 N83-31897

COMPUTATION

Apparatus for computing square roots Patent
[NASA-CASE-XGS-04768] c 08 N71-19437

Ruler for making navigational computations
[NASA-CASE-XNP-01458] c 04 N78-17031

COMPUTER COMPONENTS

Counter and shift register Patent
[NASA-CASE-XNP-01753] c 08 N71-22897

Binary to binary coded decimal converter
[NASA-CASE-GSC-12044-1] c 60 N78-17691

Memory-based parallel data output controller
[NASA-CASE-GSC-12447-1] c 60 N80-21987

Computer circuit card puller
[NASA-CASE-FRC-11042-1] c 60 N82-24839

Control means for a solid state crossbar switch
[NASA-CASE-NPO-15066-1] c 33 N82-29538

COMPUTER DESIGN

Two-dimensional radiant energy array computers and computing devices
[NASA-CASE-GSC-11839-1] c 60 N77-14751

Massively parallel processor computer
[NASA-CASE-GSC-12223-1] c 60 N83-25378

Distributed multiport memory architecture
[NASA-CASE-NPO-15342-1] c 60 N83-32342

COMPUTER GRAPHICS

System for quantizing graphic displays
[NASA-CASE-NPO-10745] c 08 N72-22164

COMPUTER NETWORKS

High-speed data link for moderate distances and noisy environments
[NASA-CASE-NPO-14152-1] c 32 N80-18252

Common data buffer system — communication with computational equipment utilized in spacecraft operations
[NASA-CASE-KSC-11048-1] c 62 N81-24779

Multicomputer communication system
[NASA-CASE-NPO-15433-1] c 62 N83-20634

COMPUTER PROGRAMMING
Minimal logic block encoder Patent
[NASA-CASE-NPO-10595] c 10 N71-25917

Priority interrupt system — comprised of four registers
[NASA-CASE-NPO-13067-1] c 60 N76-18800

COMPUTER PROGRAMS
Self-testing and repairing computer Patent
[NASA-CASE-NPO-10567] c 08 N71-24633

Program for computer aided reliability estimation
[NASA-CASE-NPO-13086-1] c 15 N73-12495

Numerical computer peripheral interactive device with manual controls
[NASA-CASE-NPO-11497] c 08 N73-25206

COMPUTER STORAGE DEVICES
Magnetic matrix memory system Patent
[NASA-CASE-XMF-05835] c 08 N71-12504

Binary sequence detector Patent
[NASA-CASE-XNP-05415] c 08 N71-12505

Pulse-type magnetic core memory element circuit with blocking oscillator feedback Patent
[NASA-CASE-XGS-03303] c 08 N71-18595

Drive circuit utilizing two cores Patent
[NASA-CASE-NPO-01318] c 10 N71-23033

Programmable telemetry system Patent
[NASA-CASE-GSC-10131-1] c 07 N71-24824

Serial digital decoder Patent
[NASA-CASE-NPO-10150] c 08 N71-24850

Digital memory in which the driving of each word location is controlled by a switch core Patent
[NASA-CASE-XNP-01466] c 10 N71-26434

Redundant memory organization Patent
[NASA-CASE-GSC-10564] c 10 N71-29135

Semiconductor-ferroelectric memory device
[NASA-CASE-ERC-10307] c 08 N72-21198

Shared memory for a fault-tolerant computer
[NASA-CASE-NPO-13139-1] c 60 N76-21914

Automatic multi-banking of memory for microprocessors
[NASA-CASE-NPO-15295-1] c 60 N82-11785

Method of and apparatus for generating an interstitial point in a data stream having an even number of data points
[NASA-CASE-MFS-25319-1] c 64 N83-12932

Distributed multiport memory architecture
[NASA-CASE-NPO-15342-1] c 60 N83-32342

COMPUTER SYSTEMS DESIGN
Adaptive voting computer system
[NASA-CASE-MSC-13932-1] c 62 N74-14920

Computer interface system
[NASA-CASE-NPO-13428-1] c 60 N77-12721

COMPUTER TECHNIQUES
Automated system for identifying traces of organic chemical compounds in aqueous solutions
[NASA-CASE-NPO-13063-1] c 25 N76-18245

Apparatus for determining thermophysical properties of test specimens
[NASA-CASE-LAR-11883-1] c 09 N77-27131

Computerized system for translating a torch head
[NASA-CASE-MFS-23620-1] c 37 N79-10421

Automatic flowmeter calibration system
[NASA-CASE-KSC-11076-1] c 34 N81-26402

Auto covariance computer
[NASA-CASE-LAR-12968-1] c 35 N83-34273

COMPUTERIZED SIMULATION
Integrated time shared instrumentation display Patent
[NASA-CASE-XLA-01952] c 08 N71-12507

Microcomputerized electric field meter diagnostic and calibration system
[NASA-CASE-KSC-11035-1] c 35 N78-28411

Simulator method and apparatus for practicing the mating of an observer-controlled object with a target
[NASA-CASE-MFS-23052-2] c 74 N79-13855

Inflight IFR procedures simulator
[NASA-CASE-KSC-11218-1] c 09 N82-29331

COMPUTERS
Telemetry word forming unit
[NASA-CASE-XNP-09225] c 09 N69-24333

Data compression processor Patent
[NASA-CASE-NPO-10068] c 08 N71-19288

Communications link for computers
[NASA-CASE-NPO-11161] c 08 N72-25207

Auto covariance computer
[NASA-CASE-LAR-12968-1] c 35 N83-34273

CONCAVITY
Concave grating spectrometer Patent
[NASA-CASE-XGS-01036] c 14 N70-40003

CONCENTRATION (COMPOSITION)
Tower evaporator
[NASA-CASE-NPO-15609-1] c 25 N83-36119

CONCENTRATORS
Device for directionally controlling electromagnetic radiation Patent
[NASA-CASE-XLE-01716] c 09 N70-40234

- Thermostatically controlled non-tracking type solar energy concentrator
[NASA-CASE-NPO-13497-1] c 44 N78-14602
- Three-dimensional tracking solar energy concentrator and method for making same
[NASA-CASE-NPO-13736-1] c 44 N77-32583
- Non-tracking solar energy collector system
[NASA-CASE-NPO-13817-1] c 44 N79-11471
- Solar cell module
[NASA-CASE-NPO-14467-1] c 44 N79-31753
- Solar concentrator
[NASA-CASE-MFS-23727-1] c 44 N80-14473
- Solar energy receiver for a Stirling engine
[NASA-CASE-NPO-14619-1] c 44 N81-17518
- CONCENTRIC CYLINDERS**
Flow resistivity instrument
[NASA-CASE-LAR-13053-1] c 43 N83-29783
- CONCENTRIC SPHERES**
Method and apparatus for producing concentric hollow spheres — inertial confinement fusion targets
[NASA-CASE-NPO-14596-1] c 31 N81-33319
- Method and apparatus for producing gas-filled hollow spheres — target pellets for inertial confinement fusion
[NASA-CASE-NPO-14596-3] c 31 N83-31896
- CONDENSATES**
Apparatus for testing polymeric materials Patent
[NASA-CASE-XNP-09699] c 06 N71-24607
- Condensate removal device for heat exchanger
[NASA-CASE-MSC-14143-1] c 77 N75-20139
- CONDENSERS (LIQUEFIERS)**
Condenser - Separator
[NASA-CASE-XLA-08645] c 15 N69-21465
- Condensate removal device for heat exchanger
[NASA-CASE-MSC-14143-1] c 77 N75-20139
- CONDENSING**
Preparation of heterocyclic block copolymer omega-diamidoximes
[NASA-CASE-ARC-11060-1] c 27 N79-22300
- CONDUCTING FLUIDS**
Multiducted electromagnetic pump Patent
[NASA-CASE-NPO-10755] c 15 N71-27084
- Internally supported flexible duct joint — device for conducting fluids in high pressure systems
[NASA-CASE-MFS-18193-1] c 37 N75-19686
- CONDUCTIVE HEAT TRANSFER**
Enthalpy and stagnation temperature determination of a high temperature laminar flow gas stream Patent
[NASA-CASE-XLE-00266] c 14 N70-34156
- Space suit heat exchanger Patent
[NASA-CASE-XMS-09571] c 05 N71-19439
- Compact pulsed laser having improved heat conductance
[NASA-CASE-NPO-13147-1] c 36 N77-25502
- Automatic thermal switch
[NASA-CASE-GSC-12415-1] c 33 N82-24419
- CONDUCTORS**
Extensible cable support Patent
[NASA-CASE-XMF-07587] c 15 N71-18701
- Method for making conductors for ferrite memory arrays — from pre-formed metal conductors
[NASA-CASE-LAR-10994-1] c 24 N75-13032
- CONES**
Conically shaped cavity radiometer with a dual purpose cone winding Patent
[NASA-CASE-XNP-08701] c 14 N71-26475
- CONFINEMENT**
Observation window for a gas confining chamber
[NASA-CASE-NPO-10890] c 11 N73-12265
- CONICAL BODIES**
Conical valve plug Patent
[NASA-CASE-XLE-00715] c 15 N70-34859
- Conical reflector antenna
[NASA-CASE-NPO-10303] c 07 N72-22127
- Multiple reflection conical microwave antenna
[NASA-CASE-NPO-11661] c 07 N73-14130
- CONICAL SCANNING**
Conical scan tracking system employing a large antenna
[NASA-CASE-NPO-14009-1] c 32 N79-13214
- CONICAL SHELLS**
Device for determining the accuracy of the flare on a flared tube
[NASA-CASE-XKS-03495] c 14 N69-39785
- Foldable solar concentrator Patent
[NASA-CASE-XLA-04622] c 03 N70-41580
- Apparatus for machining geometric cones Patent
[NASA-CASE-XMS-04292] c 15 N71-22722
- CONJUGATES**
Phase conjugation method and apparatus for an active retrodirective antenna array
[NASA-CASE-NPO-13641-1] c 32 N79-24210
- CONNECTORS**
Connector strips-positive, negative and T tabs
[NASA-CASE-XGS-01395] c 03 N69-21539
- Quick release connector Patent
[NASA-CASE-XLA-01141] c 15 N71-13789
- Flared tube strainer
[NASA-CASE-XLA-05056] c 15 N72-11369
- Process for making RF shielded cable connector assemblies and the products formed thereby
[NASA-CASE-GSC-11215-1] c 09 N73-28083
- Low heat leak connector for cryogenic system
[NASA-CASE-XLE-02367-1] c 31 N79-21225
- Variable length strut with longitudinal compliance and locking capability — constructing truss and beam structures in space and interconnecting an orbit transfer vehicle and a payload
[NASA-CASE-MFS-25907-1] c 37 N83-31019
- CONSCIOUSNESS**
EEG sleep analyzer and method of operation Patent
[NASA-CASE-MSC-13282-1] c 05 N71-24729
- CONSTANCY**
Improved constant-output atomizer
[NASA-CASE-MFS-25631-1] c 34 N82-10360
- CONSOLES**
Telephone multiline signaling using common signal pair
[NASA-CASE-KSC-11023-1] c 32 N79-23310
- CONSTANTS**
Spring operated accelerator and constant force spring mechanism therefor
[NASA-CASE-ARC-10898-1] c 35 N77-18417
- CONSTRAINTS**
Passive caging mechanism Patent
[NASA-CASE-GSC-10306-1] c 15 N71-24694
- Cable restraint
[NASA-CASE-LAR-10129-1] c 15 N73-25512
- Restraint system for ergometer
[NASA-CASE-MFS-21046-1] c 14 N73-27377
- Reefing system
[NASA-CASE-LAR-10129-2] c 37 N74-20063
- Restraining mechanism
[NASA-CASE-MSC-13054] c 54 N78-17677
- Spine immobilization apparatus
[NASA-CASE-ARC-11167-1] c 52 N81-25662
- CONSTRUCTION MATERIALS**
Foldable construction block
[NASA-CASE-MSC-12233-1] c 15 N72-25454
- Foldable construction block
[NASA-CASE-MSC-12233-2] c 32 N73-13921
- CONTACT POTENTIALS**
Ionospheric battery Patent
[NASA-CASE-XGS-01593] c 03 N70-35408
- CONTAINERLESS MELTS**
Method of crystallization — in gravity-free environments
[NASA-CASE-MFS-23001-1] c 76 N77-32919
- Production of ultrapure amorphous metals utilizing acoustic cooling
[NASA-CASE-NPO-15658-1] c 26 N83-19890
- Gas levitator having fixed levitation node for containerless processing
[NASA-CASE-MFS-25509-1] c 35 N83-24828
- Method and apparatus for supercooling and solidifying substances
[NASA-CASE-MFS-25242-1] c 35 N83-29650
- Containerless high purity pulling process and apparatus for glass fibers
[NASA-CASE-MFS-25905-1] c 74 N83-35825
- CONTAINERS**
Fluid containers and resealable septum therefor Patent
[NASA-CASE-NPO-10123] c 15 N71-24835
- Method for detecting leaks in hermetically sealed containers Patent
[NASA-CASE-ERC-10045] c 15 N71-24910
- Apparatus for detecting the amount of material in a resonant cavity container Patent
[NASA-CASE-XNP-02500] c 18 N71-27397
- CONTAINMENT**
Hemispherical latching apparatus for payload retention
[NASA-CASE-MFS-25837] c 16 N82-31388
- CONTAMINANTS**
Apparatus for purging systems handling toxic, corrosive, noxious and other fluids Patent
[NASA-CASE-XMS-01905] c 12 N71-21089
- Moisture content and gas sampling device — to test hermetically sealed electronic equipment
[NASA-CASE-MSC-18866-1] c 35 N82-26634
- Method and apparatus for mapping the distribution of chemical elements in an extended medium
[NASA-CASE-GSC-12808-1] c 45 N83-20446
- CONTAMINATION**
Spectral method for monitoring atmospheric contamination of inert-gas welding shields Patent
[NASA-CASE-XMF-02039] c 15 N71-15871
- Separation nut Patent
[NASA-CASE-XGS-01971] c 15 N71-15922
- Gas liquefaction and dispensing apparatus Patent
[NASA-CASE-NPO-10070] c 15 N71-27372
- Bacterial contamination monitor
[NASA-CASE-GSC-10879-1] c 14 N72-25413
- Biocontamination and particulate detection system
[NASA-CASE-NPO-13953-1] c 35 N79-28527
- CONTINUOUS RADIATION**
CW ultrasonic bolt tensioning monitor
[NASA-CASE-LAR-12016-1] c 39 N78-15512
- Pseudo continuous wave instrument — ultrasonics
[NASA-CASE-LAR-12260-1] c 35 N79-10390
- Low-frequency radio navigation system
[NASA-CASE-NPO-15264-1] c 04 N81-22036
- CONTINUOUS WAVE LASERS**
High power laser apparatus and system
[NASA-CASE-XLE-2529-2] c 36 N75-27364
- Continuous plasma laser — method and apparatus for producing intense, coherent, monochromatic light from low temperature plasma
[NASA-CASE-XNP-04167-3] c 36 N77-19416
- Stark effect spectrophotometer for continuous absorption spectra monitoring — a technique for gas analysis
[NASA-CASE-NPO-15102-1] c 25 N81-25159
- Coherently pulsed laser source
[NASA-CASE-NPO-15111-1] c 36 N82-29589
- CONTINUOUS WAVE RADAR**
Phase-locked loop with sideband rejecting properties Patent
[NASA-CASE-XNP-02723] c 07 N70-41680
- FM/CW radar system
[NASA-CASE-MFS-22234-1] c 32 N79-10264
- CONTOURS**
Contour surveying system Patent
[NASA-CASE-XLA-08646] c 14 N71-17588
- Contourgraph system for monitoring electrocardiograms
[NASA-CASE-MSC-13407-1] c 10 N72-20225
- Variable contour securing system
[NASA-CASE-MSC-16270-1] c 37 N78-27423
- Device for measuring the contour of a surface
[NASA-CASE-LAR-11869-1] c 74 N78-27904
- Contour detector and data acquisition system for the left ventricular outline
[NASA-CASE-ARC-10985-1] c 52 N79-10724
- Contour measurement system
[NASA-CASE-MFS-23726-1] c 43 N79-26439
- Cork-resin ablative insulation for complex surfaces and method for applying the same
[NASA-CASE-MFS-23626-1] c 24 N80-26388
- Surface conforming thermal/pressure seal — tail assemblies of space shuttle orbiters
[NASA-CASE-MSC-18422-1] c 37 N82-16408
- Method and apparatus for contour mapping using synthetic aperture radar
[NASA-CASE-NPO-15039-1] c 43 N83-20324
- CONTROL**
Dual latching solenoid valve Patent
[NASA-CASE-XMS-05890] c 09 N71-23191
- Apparatus for testing a pressure responsive instrument Patent
[NASA-CASE-XMF-04134] c 14 N71-23755
- Failure detection and control means for improved drift performance of a gimbaled platform system
[NASA-CASE-MFS-23551-1] c 04 N76-26175
- Power factor control system for ac induction motors
[NASA-CASE-MFS-23888-1] c 33 N81-27395
- Television camera video level control system — space shuttle orbiters
[NASA-CASE-MSC-18578-1] c 74 N82-27121
- Control means for a solid state crossbar switch
[NASA-CASE-NPO-15066-1] c 33 N82-29538
- CONTROL BOARDS**
Pressure monitoring with a plurality of ionization gauges controlled at a central location Patent
[NASA-CASE-XLE-00787] c 14 N71-21090
- CONTROL DATA (COMPUTERS)**
Computer interface system
[NASA-CASE-NPO-13428-1] c 60 N77-12721
- CONTROL EQUIPMENT**
Stepping motor control circuit Patent
[NASA-CASE-GSC-10366-1] c 10 N71-18772
- Drift compensation circuit for analog to digital converter Patent
[NASA-CASE-XNP-04780] c 08 N71-19687
- Attitude controls for VTOL aircraft Patent
[NASA-CASE-XAC-08972] c 02 N71-20570
- Control device Patent
[NASA-CASE-XAC-10019] c 15 N71-23809
- Controlled release device Patent
[NASA-CASE-XKS-03338] c 15 N71-24043
- Dual polarity full wave dc motor drive Patent
[NASA-CASE-XNP-07477] c 09 N71-26092
- Digital memory in which the driving of each word location is controlled by a switch core Patent
[NASA-CASE-XNP-01466] c 10 N71-26434
- Fluid jet amplifier Patent
[NASA-CASE-XLE-09341] c 12 N71-28741
- System for controlling the operation of a variable signal device
[NASA-CASE-NPO-11064] c 07 N72-11150

Solid state remote circuit selector switch
[NASA-CASE-LEW-10387] c 09 N72-22201

Synchronous orbit battery cycler
[NASA-CASE-GSC-11211-1] c 03 N72-25020

Infinite range electronics gain control circuit
[NASA-CASE-GSC-10786-1] c 10 N72-28241

Interferometric rotation sensor
[NASA-CASE-ARC-10278-1] c 14 N73-25463

Digital controller for a Baum folding machine --- providing automatic counting and machine shutoff
[NASA-CASE-LAR-10688-1] c 37 N74-21056

Flow control valve --- for high temperature fluids
[NASA-CASE-NPO-11951-1] c 37 N74-21065

Variable ratio mixed-mode bilateral master-slave control system for shuttle remote manipulator system
[NASA-CASE-MSC-14245-1] c 18 N75-27041

Anthropomorphic master/slave manipulator system
[NASA-CASE-ARC-10756-1] c 54 N77-32721

Power factor control system for AC induction motors
[NASA-CASE-MFS-23280-1] c 33 N78-10376

Variable cycle gas turbine engines
[NASA-CASE-LEW-12916-1] c 37 N78-17384

Control for nuclear thermionic power source
[NASA-CASE-NPO-13114-2] c 73 N78-28913

Illumination control apparatus for compensating solar light
[NASA-CASE-KSC-11010-1] c 74 N79-12890

Dual acting slit control mechanism
[NASA-CASE-LAR-11370-1] c 35 N80-28686

Pneumatic inflatable end effector
[NASA-CASE-MFS-23696-1] c 54 N81-26718

Method and apparatus for precision control of radiometer
[NASA-CASE-NPO-15398-1] c 35 N81-33449

Means for controlling aerodynamically induced twist
[NASA-CASE-LAR-12175-1] c 05 N82-28279

Electronic system for high power load control --- solar arrays
[NASA-CASE-NPO-15358-1] c 33 N83-27126

CONTROL ROCKETS
Decomposition unit Patent
[NASA-CASE-XMS-00583] c 28 N70-38504

CONTROL RODS
Null device for hand controller Patent
[NASA-CASE-XLA-01808] c 15 N71-20740

CONTROL SIMULATION
Helmet weight simulator
[NASA-CASE-LAR-12320-1] c 54 N81-27806

CONTROL STABILITY
Apparatus for sensor failure detection and correction in a gas turbine engine control system
[NASA-CASE-LEW-12907-2] c 07 N81-19115

Apparatus for damping operator induced oscillations of a controlled system --- flight control
[NASA-CASE-FRC-11041-1] c 33 N82-18493

CONTROL SURFACES
Conical valve plug Patent
[NASA-CASE-XLE-00715] c 15 N70-34859

Attitude control for spacecraft Patent
[NASA-CASE-XNP-02982] c 31 N70-41855

Vortex-lift roll-control device
[NASA-CASE-LAR-11868-2] c 08 N79-14108

Aerodynamic side-force alleviator means
[NASA-CASE-LAR-12326-1] c 02 N81-14968

Thermal barrier pressure seal --- shielding junctions between spacecraft control surfaces and structures
[NASA-CASE-MSC-18134-1] c 37 N81-15363

CONTROL UNITS (COMPUTERS)
Self-testing and repairing computer Patent
[NASA-CASE-NPO-10567] c 08 N71-24633

CONTROL VALVES
Electromechanical actuator
[NASA-CASE-XNP-05975] c 15 N69-23185

Full flow with shut off and selective drainage control valve Patent application
[NASA-CASE-ERC-10208] c 15 N70-10867

Conical valve plug Patent
[NASA-CASE-XLE-00715] c 15 N70-34859

Control valve and co-axial variable injector Patent
[NASA-CASE-XNP-09702] c 15 N71-17654

Electrohydrodynamic control valve Patent
[NASA-CASE-NPO-10416] c 12 N71-27332

Force-balanced, throttle valve Patent
[NASA-CASE-NPO-10808] c 15 N71-27432

Dual stage check valve
[NASA-CASE-MSC-13587-1] c 15 N73-30459

Airflow control system for supersonic inlets
[NASA-CASE-LEW-11188-1] c 02 N74-20646

Ultrasonically bonded valve assembly
[NASA-CASE-NPO-13360-1] c 37 N75-25185

Pressure modulating valve
[NASA-CASE-MSC-14905-1] c 37 N77-28487

Fluid valve assembly
[NASA-CASE-MSC-12731-1] c 37 N78-25426

Flow diverter valve and flow diversion method
[NASA-CASE-HQN-00573-1] c 37 N79-33468

Quartz ball valve
[NASA-CASE-NPO-14473-1] c 37 N80-23654

Pressure control valve --- inflating flexible bladders
[NASA-CASE-ARC-11251-1] c 37 N81-17433

Electrical servo actuator bracket --- fuel control valves on jet engines
[NASA-CASE-FRC-11044-1] c 37 N81-33483

Slow opening valve
[NASA-CASE-MSC-20112-1] c 37 N82-28641

Air modulation apparatus --- cooling gas turbine engines
[NASA-CASE-LEW-13524-1] c 34 N83-30957

Control means for a gas turbine engine
[NASA-CASE-LEW-14586-1] c 07 N83-31603

CONTROLLED ATMOSPHERES
Electrical connector Patent Application
[NASA-CASE-MFS-14741] c 09 N70-20737

High voltage pulse generator Patent
[NASA-CASE-MSC-12178-1] c 09 N71-13518

Exposure system for animals Patent
[NASA-CASE-XAC-05333] c 11 N71-22875

Method and apparatus for growth of crystals by pressure reduction of supercritical or subcritical solution
[NASA-CASE-NPO-15772-1] c 76 N82-23031

CONTROLLERS
Three axis controller Patent
[NASA-CASE-XFR-00181] c 21 N70-33279

Two-axis controller Patent
[NASA-CASE-XFR-04104] c 03 N70-42073

Controllers Patent
[NASA-CASE-XMS-07487] c 15 N71-23255

Solid state controller three axes controller
[NASA-CASE-MSC-12394-1] c 08 N74-10942

Wide power range microwave feedback controller
[NASA-CASE-GSC-12146-1] c 33 N78-32340

Active mutation controller
[NASA-CASE-GSC-12273-1] c 35 N80-21719

Phase-angle controller for Stirling engines
[NASA-CASE-NPO-14388-1] c 37 N81-17432

Controller for computer control of brushless dc motors --- automobile engines
[NASA-CASE-NPO-13970-1] c 33 N81-20352

Method and apparatus for precision control of radiometer
[NASA-CASE-NPO-15398-1] c 35 N81-33449

Motor power factor controller with a reduced voltage starter
[NASA-CASE-MFS-25586-1] c 33 N82-11360

Thumb actuated two axis controller
[NASA-CASE-ARC-11372-1] c 08 N83-12098

Phase detector for three-phase power factor controller
[NASA-CASE-MFS-25854-1] c 33 N83-17804

Memory-based parallel data output controller
[NASA-CASE-GSC-12447-2] c 17 N83-29302

CONVECTIVE FLOW
Geysing inhibitor for vertical cryogenic transfer pipe
[NASA-CASE-KSC-10615] c 15 N73-12486

Method and apparatus for convection control of metallic halide vapor density in a metallic halide laser
[NASA-CASE-NPO-15021-1] c 36 N83-10417

CONVECTIVE HEAT TRANSFER
Thin film gauge --- for measuring convective heat transfer rates along test surfaces in wind tunnels
[NASA-CASE-NPO-10617-1] c 35 N74-22095

CONVERGENCE
Shock wave convergence apparatus
[NASA-CASE-MFS-20890] c 14 N72-22439

CONVERGENT NOZZLES
Nozzle extraction process and handmeter for measuring handle
[NASA-CASE-LAR-12147-1] c 31 N79-11246

CONVERGENT-DIVERGENT NOZZLES
Gimballed, partially submerged rocket nozzle Patent
[NASA-CASE-XMF-01544] c 28 N70-34162

Combustion chamber Patent
[NASA-CASE-XLE-04857] c 28 N71-23968

Aircraft engine nozzle
[NASA-CASE-ARC-10977-1] c 07 N80-32392

Wind tunnel supplementary Mach number minimum section insert
[NASA-CASE-LAR-12532-1] c 09 N82-11088

CONVERTERS
Scan converting video tape recorder
[NASA-CASE-NPO-10166-2] c 35 N76-16391

CONVEYORS
System and method for refurbishing and processing parachutes --- monorail conveyor system
[NASA-CASE-KSC-11042-2] c 02 N81-26073

Method for refurbishing and processing parachutes
[NASA-CASE-KSC-11042-1] c 09 N82-29330

Static continuous electrophoresis device
[NASA-CASE-MFS-25306-1] c 25 N83-13187

Acoustic system for material transport
[NASA-CASE-NPO-15453-1] c 71 N83-32515

COOLERS

Radiative cooler
[NASA-CASE-NPO-15465-1] c 18 N82-10106

Stirling cycle cryogenic cooler --- magnetically suspended pistons
[NASA-CASE-GSC-12697-1] c 31 N82-11312

COOLING
Microwave power receiving antenna Patent
[NASA-CASE-MFS-20333] c 09 N71-13486

Voltage regulator with plural parallel power source sections Patent
[NASA-CASE-GSC-10891-1] c 10 N71-26626

Laser coolant and ultraviolet filter
[NASA-CASE-MFS-20180] c 16 N72-12440

Compact pulsed laser having improved heat conductance
[NASA-CASE-NPO-13147-1] c 36 N77-25502

Heat pipe cooled probe
[NASA-CASE-LAR-12588-1] c 44 N81-24525

Steam cooled rich-burn combustor liner
[NASA-CASE-LEW-13609-1] c 25 N83-17628

Heating and cooling system --- for fatigue test specimens
[NASA-CASE-LAR-12393-1] c 34 N83-34221

COOLING SYSTEMS
Automatic thermal switch Patent
[NASA-CASE-XNP-03796] c 23 N71-15467

Differential temperature transducer Patent
[NASA-CASE-XAC-00812] c 14 N71-15598

Power system with heat pipe liquid coolant lines Patent
[NASA-CASE-MFS-14114-2] c 09 N71-24807

Cryogenic cooling system Patent
[NASA-CASE-NPO-10467] c 23 N71-26654

Self-adjusting multisegment, deployable, natural circulation radiator Patent
[NASA-CASE-XHQ-03673] c 33 N71-29046

Heat conductive resiliently compressible structure for space electronics package modules Patent
[NASA-CASE-MSC-12389] c 33 N71-29052

Method and device for cooling Patent
[NASA-CASE-HQN-00938] c 33 N71-29053

Liquid spray cooling method Patent
[NASA-CASE-XLE-00027] c 33 N71-29152

Radial heat flux transformer
[NASA-CASE-NPO-10828] c 33 N72-17948

Light shield and cooling apparatus --- high intensity ultraviolet lamp
[NASA-CASE-LAR-10089-1] c 34 N74-23066

Refrigerated coaxial coupling --- for microwave equipment
[NASA-CASE-NPO-13504-1] c 33 N75-30430

Rocket chamber and method of making
[NASA-CASE-LEW-11118-2] c 20 N76-14191

Tubular sublimatory evaporator heat sink
[NASA-CASE-ARC-10912-1] c 34 N77-19353

Arc control in compact arc lamps
[NASA-CASE-NPO-10870-1] c 33 N77-22386

Oil cooling system for a gas turbine engine
[NASA-CASE-LEW-12830-1] c 07 N77-23106

Oil cooling system for a gas turbine engine
[NASA-CASE-LEW-12321-1] c 37 N78-10467

Closed loop spray cooling apparatus --- for accelerator targets
[NASA-CASE-LEW-11981-1] c 31 N78-17237

Multistation refrigeration system
[NASA-CASE-NPO-13839-1] c 31 N78-25256

Cooling system for removing metabolic heat from an hermetically sealed spacesuit
[NASA-CASE-ARC-11059-1] c 54 N78-32721

Heat exchanger --- rocket combustion chambers and cooling systems
[NASA-CASE-LEW-12252-1] c 34 N79-13288

Closed loop spray cooling apparatus
[NASA-CASE-LEW-11981-2] c 34 N79-20336

Ozonation of cooling tower waters
[NASA-CASE-NPO-14340-1] c 45 N80-14579

Heat exchanger and method of making
[NASA-CASE-LEW-12441-3] c 44 N81-24519

Heat pipe cooled probe
[NASA-CASE-LAR-12588-1] c 44 N81-24525

Cooling system for high speed aircraft
[NASA-CASE-LAR-12406-1] c 05 N81-26114

Waveguide cooling system
[NASA-CASE-NPO-15401-1] c 32 N83-27085

Cooling by conversion of para to ortho-hydrogen
[NASA-CASE-GSC-12770-1] c 25 N83-29324

COORDINATES
Mechanical coordinate converter Patent
[NASA-CASE-XNP-00614] c 14 N70-36907

Lightning tracking system
[NASA-CASE-KSC-10729-1] c 09 N73-32110

Magnetic heading reference
[NASA-CASE-LAR-11387-2] c 04 N77-19056

COPOLYMERIZATION

- Chemical approach for controlling nadamide cure temperature and rate
[NASA-CASE-LEW-13770-1] c 27 N83-13258
- Chemical approach for controlling nadamide cure temperature and rate
[NASA-CASE-LEW-13770-2] c 27 N83-30651

COPOLYMERS

- Method of producing alternating ether siloxane copolymers Patent
[NASA-CASE-XMF-02584] c 06 N71-20905
- Dicyanoacetylene polymers Patent
[NASA-CASE-XNP-03250] c 06 N71-23500
- Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MS-14903-3] c 27 N80-24438
- Insoluble polyelectrolyte and ion-exchange hollow fiber impregnated therewith
[NASA-CASE-NPO-13530-1] c 25 N81-17187
- Alkaline battery containing a separator of a cross-linked copolymer of vinyl alcohol and unsaturated carboxylic acid
[NASA-CASE-LEW-13102-1] c 44 N81-29531
- Phthalocyanine polymers
[NASA-CASE-ARC-11413-1] c 27 N83-14275

COPPER

- Method for etching copper Patent
[NASA-CASE-XGS-06306] c 17 N71-16044
- Method of plating copper on aluminum Patent
[NASA-CASE-XLA-08968-1] c 17 N71-25903
- Brazing alloy composition
[NASA-CASE-XMF-06053] c 26 N75-27126
- Method for making an aluminum or copper substrate panel for selective absorption of solar energy
[NASA-CASE-MFS-23518-1] c 44 N79-11469

COPPER ALLOYS

- Zirconium modified nickel-copper alloy
[NASA-CASE-LEW-12245-1] c 26 N77-20201
- Thin film strain transducer — for strain monitoring of high altitude balloons
[NASA-CASE-WLP-10055-1] c 35 N82-26632

COPPER COMPOUNDS

- Simple method of making photovoltaic junctions Patent
[NASA-CASE-XNP-01960] c 09 N71-23027
- Laser coolant and ultraviolet filter
[NASA-CASE-MFS-20180] c 16 N72-12440
- Brazing alloy
[NASA-CASE-XNP-03878] c 26 N75-27127

COPPER FLUORIDES

- Preparation of high purity copper fluoride
[NASA-CASE-LEW-10794-1] c 06 N72-17093

CORDAGE

- Method of forming a root cord restrained convolute section
[NASA-CASE-MS-12398] c 05 N72-20098

CORE STORAGE

- Semiconductor-ferroelectric memory device
[NASA-CASE-ERC-10307] c 08 N72-21198

CORES

- Method of making rolling element bearings
[NASA-CASE-LEW-11087-2] c 37 N74-15128
- Electromagnetic transducer recording head having a laminated core section and tapered gap
[NASA-CASE-NPO-10711-1] c 35 N77-21392
- Superplastically formed diffusion bonded metallic structure
[NASA-CASE-FRC-11026-1] c 24 N82-24296

CORK (MATERIALS)

- Cork-resin ablative insulation for complex surfaces and method for applying the same
[NASA-CASE-MFS-23626-1] c 24 N80-26388

CORRECTION

- Doppler frequency spread correction device for multiplex transmissions
[NASA-CASE-XGS-02749] c 07 N69-39978

CORRELATION

- Clutter free synthetic aperture radar correlator
[NASA-CASE-NPO-14035-1] c 32 N83-19968

CORRELATION DETECTION

- Correlation type phase detector — with time correlation integrator for frequency multiplexed signals
[NASA-CASE-GSC-11744-1] c 33 N75-26243
- Interferometric locating system
[NASA-CASE-NPO-14173-1] c 04 N80-32359

CORRELATORS

- Millimeter wave radiometer for radio astronomy Patent
[NASA-CASE-XNP-09832] c 30 N71-23723
- Digital demodulator-correlator
[NASA-CASE-NPO-13982-1] c 32 N79-14267
- Baseband signal combiner for large aperture antenna array
[NASA-CASE-NPO-14641-1] c 32 N81-29308
- A pipelined digital SAR azimuth correlator using hybrid FFT/transversal-filter
[NASA-CASE-NPO-15519-1] c 32 N82-12298

Serial data correlator/code translator

- [NASA-CASE-KSC-11025-1] c 32 N83-13323

CORROSION

- Method of neutralizing the corrosive surface of amine-cured epoxy resins
[NASA-CASE-GSC-12686-1] c 27 N83-34039

CORROSION PREVENTION

- Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent
[NASA-CASE-XLA-00284] c 15 N71-16075
- Method of inhibiting stress corrosion cracks in titanium alloys Patent
[NASA-CASE-NPO-10271] c 17 N71-16393
- Controlled glass bead peening Patent
[NASA-CASE-XLA-07390] c 15 N71-18618
- Corrosion resistant beryllium Patent
[NASA-CASE-LEW-10327] c 17 N71-33408
- Prevention of hydrogen embrittlement of high strength steel by hydrazine compositions — by adding potassium hydroxide to hydrazine
[NASA-CASE-NPO-12122-1] c 24 N76-14203
- Ozonation of cooling tower waters
[NASA-CASE-NPO-14340-1] c 45 N80-14579
- Method of protecting a surface with a silicon-slurry/aluminate coating — coatings for gas turbine engine blades and vanes
[NASA-CASE-LEW-13343-1] c 27 N82-28441
- Heat pipes containing alkali metal working fluid
[NASA-CASE-LEW-12253-1] c 74 N83-19596

CORROSION RESISTANCE

- High temperature cobalt-base alloy Patent
[NASA-CASE-XLE-00726] c 17 N71-15644
- Solder flux which leaves corrosion-resistant coating Patent
[NASA-CASE-XNP-03459-2] c 18 N71-15688
- High temperature cobalt-base alloy Patent
[NASA-CASE-XLE-02991] c 17 N71-16025
- Soldering with solder flux which leaves corrosion resistant coating Patent
[NASA-CASE-XNP-03459] c 15 N71-21078
- Method of making bearing material
[NASA-CASE-LEW-11930-3] c 24 N80-33482
- Corrosion resistant thermal barrier coating — protecting gas turbines and other engine parts
[NASA-CASE-LEW-13088-1] c 26 N81-25188
- Sandblasting nozzle
[NASA-CASE-NPO-13823-1] c 37 N81-25371
- Covering solid, film cooled surfaces with a duplex thermal barrier coating
[NASA-CASE-LEW-13450-1] c 31 N83-35177

CORRUGATED PLATES

- Superplastically formed diffusion bonded metallic structure
[NASA-CASE-FRC-11026-1] c 24 N82-24296
- Curved cap corrugated sheet
[NASA-CASE-LAR-12884-1] c 31 N83-29446

CORRUGATING

- Collapsible corrugated horn antenna
[NASA-CASE-LAR-11745-1] c 32 N80-29539
- Superplastically formed diffusion bonded metallic structure
[NASA-CASE-FRC-11026-1] c 24 N82-24296

COSINE SERIES

- Electro-mechanical sine/cosine generator
[NASA-CASE-LAR-10503-1] c 09 N72-21248
- Function generator for synthesizing complex vibration mode patterns
[NASA-CASE-LAR-10310-1] c 10 N73-20253
- Magnetic heading reference
[NASA-CASE-LAR-12638-1] c 44 N82-24716

COSMIC DUST

- Cosmic dust sensor
[NASA-CASE-GSC-10503-1] c 14 N72-20381
- Cosmic dust or other similar outer space particles impact location detector
[NASA-CASE-GSC-11291-1] c 25 N72-33696
- Impact position detector for outer space particles
[NASA-CASE-GSC-11829-1] c 35 N75-27331

COSMIC DUST ANALYZER

- Cosmic dust analyzer
[NASA-CASE-MS-13802-2] c 35 N76-15431

COST ANALYSIS

- Low cost solar energy collection system
[NASA-CASE-NPO-13579-1] c 44 N78-17460

COST REDUCTION

- An improved synthesis of 2,4,8,10-tetroxaspiro (5 5) undecane
[NASA-CASE-ARC-11243-2] c 23 N80-31472

COUCHES

- Shock absorbing support and restraint means Patent
[NASA-CASE-XMS-01240] c 05 N70-35152
- Energy absorbing structure Patent Application
[NASA-CASE-MS-12279-1] c 15 N70-35679
- Articulated multiple couch assembly Patent
[NASA-CASE-MS-11253] c 05 N71-12343
- Collapsible Apollo couch
[NASA-CASE-MS-13140] c 05 N72-11085

COULOMETERS

- Electrochemical coulometer and method of forming same Patent
[NASA-CASE-XGS-05434] c 03 N71-20491
- Coulometer and third electrode battery charging circuit Patent
[NASA-CASE-GSC-10487-1] c 03 N71-24719
- State-of-charge coulometer
[NASA-CASE-NPO-15759-1] c 35 N82-26630

COUNTERS

- Counter Patent
[NASA-CASE-XNP-06234] c 10 N71-27137
- Electronic strain-level counter
[NASA-CASE-LAR-10756-1] c 32 N73-26910
- Electrochemical detection device — for use in microbiology
[NASA-CASE-LAR-11922-1] c 25 N79-24073
- Redundant operation of counter modules
[NASA-CASE-NPO-14162-1] c 60 N81-15706
- Film advance indicator
[NASA-CASE-LAR-12474-1] c 35 N82-26628
- Apparatus and process for microbial detection and enumeration
[NASA-CASE-LAR-12709-1] c 35 N82-28604

COUNTING CIRCUITS

- Scanning aspect sensor employing an apertured disc and a commutator
[NASA-CASE-XGS-08266] c 14 N69-27432
- Ring counter
[NASA-CASE-XGS-03095] c 09 N69-27463
- Relay binary circuit Patent
[NASA-CASE-XMF-00421] c 09 N70-34502
- Reversible ring counter employing cascaded single SCR stages Patent
[NASA-CASE-XGS-01473] c 09 N71-10673
- Meteoroid sensing apparatus having a coincidence network connected to a pair of capacitors Patent
[NASA-CASE-XLE-01246] c 14 N71-10797
- Magnetic counter Patent
[NASA-CASE-XNP-08836] c 09 N71-12515
- Synchronous counter Patent
[NASA-CASE-XGS-02440] c 08 N71-19432
- Digital cardiachometer system Patent
[NASA-CASE-XMS-02399] c 05 N71-22896
- Counter and shift register Patent
[NASA-CASE-XNP-01753] c 08 N71-22897
- Noninterruptable digital counting system Patent
[NASA-CASE-XNP-09759] c 08 N71-24891
- Frequency measurement by coincidence detection with standard frequency
[NASA-CASE-MS-14849-1] c 33 N76-16331
- Redundant operation of counter modules
[NASA-CASE-NPO-14162-1] c 60 N81-15706

COUPLING

- Coupling for linear shaped charge Patent
[NASA-CASE-XLA-00189] c 33 N70-36846
- Expandable support means
[NASA-CASE-NPO-11059] c 15 N72-17454
- Coupled cavity traveling wave tube with velocity tapering
[NASA-CASE-LEW-12296-1] c 33 N82-26568
- Electrical power generating system
[NASA-CASE-MFS-25302-1] c 33 N83-28319

COUPLING CIRCUITS

- Flipflop interrogator and bi-polar current driver Patent
[NASA-CASE-XGS-03058] c 10 N71-19547
- Antenna array at focal plane of reflector with coupling network for beam switching Patent
[NASA-CASE-GSC-10220-1] c 07 N71-27233
- Phase modulator Patent
[NASA-CASE-MS-13201-1] c 07 N71-28429
- Signal path series step biased multidevice high efficiency amplifier Patent
[NASA-CASE-GSC-10668-1] c 07 N71-28430
- Automatic quadrature control and measuring system — using optical coupling circuitry
[NASA-CASE-MFS-21680-1] c 35 N74-21017
- Diode-quad bridge circuit means
[NASA-CASE-ARC-10384-3] c 33 N75-19520
- Non-contacting power transfer device
[NASA-CASE-GSC-12595-1] c 33 N82-24422

COUPLINGS

- Coupling device
[NASA-CASE-XMS-07848-1] c 09 N69-21927
- Tubular coupling having frangible connecting means
[NASA-CASE-XLA-02854] c 15 N69-27490
- Quick release separation mechanism Patent
[NASA-CASE-XLA-01441] c 15 N70-41879
- Indexed keyed connection Patent
[NASA-CASE-XMS-02532] c 15 N70-41808
- Quick attach and release fluid coupling assembly Patent
[NASA-CASE-XKS-01985] c 15 N71-10782
- Ratchet mechanism Patent
[NASA-CASE-MFS-12805] c 15 N71-17805

Split nut separation system Patent
[NASA-CASE-XNP-06914] c 15 N71-21489

Duct coupling for single-handed operation Patent
[NASA-CASE-MFS-20395] c 15 N71-24903

Isolation coupling arrangement for a torque measuring system
[NASA-CASE-XLA-04897] c 15 N72-22482

Refrigerated coaxial coupling — for microwave equipment
[NASA-CASE-NPO-13504-1] c 33 N75-30430

Opto-mechanical subsystem with temperature compensation through isothermal design
[NASA-CASE-GSC-12059-1] c 35 N77-27366

Prosthesis coupling
[NASA-CASE-KSC-11069-1] c 52 N79-26772

Coupling device for moving vehicles
[NASA-CASE-GSC-12322-1] c 37 N80-14398

Device for coupling a first vehicle to a second vehicle
[NASA-CASE-GSC-12429-1] c 37 N81-14320

Micro-fluid exchange coupling apparatus
[NASA-CASE-ARC-11114-1] c 51 N81-14605

Reusable captive blind fastener
[NASA-CASE-MS-18742-1] c 37 N82-26673

Connection system
[NASA-CASE-MS-20319-1] c 37 N82-31689

COVARIANCE

Auto covariance computer
[NASA-CASE-LAR-12968-1] c 35 N83-34273

COVERINGS

Apparatus for ejection of an instrument cover
[NASA-CASE-XMF-04132] c 15 N69-27502

Tip cap for a rotor blade
[NASA-CASE-LEW-13654-1] c 07 N83-14129

COWLINGS

Thrust reverser for a long duct fan engine — for turbofan engines
[NASA-CASE-LEW-13199-1] c 07 N82-26293

CRACKING (FRACTURING)

Method of inhibiting stress corrosion cracks in titanium alloys Patent
[NASA-CASE-NPO-10271] c 17 N71-16393

TV fatigue crack monitoring system
[NASA-CASE-LAR-11490-1] c 39 N78-16387

CRACKS

Method of fabricating an abradable gas path seal
[NASA-CASE-LEW-13269-2] c 27 N83-17714

CRASH LANDING

Aircraft-mounted crash-activated transmitter device
[NASA-CASE-MFS-16609-3] c 03 N76-32140

CREEP RUPTURE STRENGTH

Nickel-base alloy containing Mo-W-Al-Cr-Ta-Zr-C-Nb-B Patent
[NASA-CASE-XLE-02082] c 17 N71-16026

CRITICAL EXPERIMENTS

Gas liquefaction and dispensing apparatus Patent
[NASA-CASE-NPO-10070] c 15 N71-27372

CRITICAL LOADING

Portable 90 deg proof loading device
[NASA-CASE-MS-20250-1] c 37 N83-29707

CRITICAL TEMPERATURE

Stable superconducting magnet — high current levels below critical temperature
[NASA-CASE-XMF-05373-1] c 33 N79-21264

CROSS CORRELATION

Cross correlation anomaly detection system
[NASA-CASE-NPO-13283] c 38 N78-17395

Method and apparatus for calibrating the ionosphere and application to surveillance of geophysical events
[NASA-CASE-NPO-15430-1] c 46 N82-26890

CROSS FLOW

Aerodynamic side-force alleviator means
[NASA-CASE-LAR-12326-1] c 02 N81-14968

CROSS POLARIZATION

Adaptive polarization separation
[NASA-CASE-LAR-12196-1] c 33 N81-26358

CROSSED FIELDS

Plasma accelerator Patent
[NASA-CASE-XLA-00675] c 25 N70-33267

Energy conversion apparatus Patent
[NASA-CASE-XLE-00212] c 03 N70-34134

Crossed-field MHD plasma generator/accelerator Patent
[NASA-CASE-XLA-03374] c 25 N71-15562

CROSSLINKING

Trifunctional alcohol
[NASA-CASE-NPO-10714] c 06 N69-31244

Trimerization of aromatic nitriles
[NASA-CASE-LEW-12053-1] c 27 N78-15276

Polymeric foams from cross-linkable poly-n-arylenebenzimidazoles
[NASA-CASE-ARC-11008-1] c 27 N78-31232

In situ self cross-linking of polyvinyl alcohol battery separators
[NASA-CASE-LEW-12972-1] c 44 N79-25481

Catalytic trimerization of aromatic nitriles and triaryl-s-triazine ring cross-linked high temperature resistant polymers and copolymers made thereby
[NASA-CASE-LEW-12053-2] c 27 N79-28307

Method of cross-linking polyvinyl alcohol and other water soluble resins
[NASA-CASE-LEW-13103-1] c 27 N80-32516

Thermoset-thermoplastic aromatic polyamides
[NASA-CASE-LAR-12723-1] c 27 N81-15107

Process for the preparation of fluorine containing crosslinked elastomeric polytriazine and product so produced
[NASA-CASE-ARC-11248-1] c 27 N81-17259

The 1,2,4-oxadiazole elastomers — heat resistant polymers
[NASA-CASE-ARC-11253-1] c 27 N81-17262

In-situ cross linking of polyvinyl alcohol — application to battery separator films
[NASA-CASE-LEW-13135-2] c 27 N81-24257

Cross-linked polyvinyl alcohol and method of making same
[NASA-CASE-LEW-13101-2] c 23 N81-29160

Alkaline battery containing a separator of a cross-linked copolymer of vinyl alcohol and unsaturated carboxylic acid
[NASA-CASE-LEW-13102-1] c 44 N81-29531

Polyvinyl alcohol cross-linked with two aldehydes
[NASA-CASE-LEW-13504-1] c 25 N83-13188

Ethynyl and substituted ethynyl-terminated polysulfones
[NASA-CASE-LAR-12931-1] c 23 N83-17590

Elastomer coated filler and composites thereof comprising at least 60% by weight of a hydrated filler and an elastomer containing an acid substituent
[NASA-CASE-NPO-14857-1] c 27 N83-19900

Low temperature cross linking polyimides
[NASA-CASE-LEW-12876-2] c 27 N83-29392

Mixed polyvalent-monovalent metal coating for carbon-graphite fibers
[NASA-CASE-NPO-14987-1] c 24 N83-33950

Polyphenylquinoxalines containing pendant phenylethynyl and ethynyl groups — for thermoplastic resins
[NASA-CASE-LAR-12838-1] c 27 N83-34040

CRUCIBLES

Evaporant holder
[NASA-CASE-XLA-03105] c 15 N69-27483

CRUCIFORM WINGS

Solar powered aircraft
[NASA-CASE-LAR-12615-1] c 05 N81-32138

CRUDE OIL

Decontamination of petroleum products Patent
[NASA-CASE-XNP-03835] c 06 N71-23499

Crude oil desulfurization
[NASA-CASE-NPO-14542-1] c 25 N82-23282

CRUSTAL FRACTURES

System for real-time crustal deformation monitoring
[NASA-CASE-NPO-14124-1] c 46 N80-14603

CRYOGENIC COOLING

Support assembly for cryogenically coolable low-noise choke waveguide
[NASA-CASE-NPO-14253-1] c 32 N80-32605

Low cost cryostat
[NASA-CASE-NPO-14513-1] c 35 N81-14287

Stirling cycle cryogenic cooler — magnetically suspended pistons
[NASA-CASE-GSC-12697-1] c 31 N82-11312

Stirling cycle cryogenic cooler
[NASA-CASE-LAR-12697-1] c 44 N83-28574

CRYOGENIC EQUIPMENT

Refrigeration apparatus
[NASA-CASE-NPO-10309] c 15 N69-23190

Piping arrangement through a double chamber structure
[NASA-CASE-XNP-08882] c 15 N69-39935

Method and apparatus for cryogenic wire stripping Patent
[NASA-CASE-MFS-10340] c 15 N71-17628

Dual solid cryogenics for spacecraft refrigeration Patent
[NASA-CASE-GSC-10188-1] c 23 N71-24725

Valving device for automatic refilling in cryogenic liquid systems
[NASA-CASE-NPO-11177] c 15 N72-17453

Dual stage check valve
[NASA-CASE-MS-13587-1] c 15 N73-30459

Heat operated cryogenic electrical generator
[NASA-CASE-NPO-13303-1] c 20 N75-24837

Cryostat system for temperatures on the order of 2 deg K or less
[NASA-CASE-NPO-13459-1] c 31 N77-10229

Device for tensioning test specimens within an hermetically sealed chamber
[NASA-CASE-MFS-23281-1] c 35 N77-22450

Multistation refrigeration system
[NASA-CASE-NPO-13839-1] c 31 N78-25256

System for and method of freezing biological tissue
[NASA-CASE-GSC-12173-1] c 51 N79-10694

Shock isolator for operating a diode laser on a closed-cycle refrigerator
[NASA-CASE-GSC-12297-1] c 37 N79-28549

Low temperature latching solenoid
[NASA-CASE-MS-18106-1] c 33 N82-11357

Unitary seal ring assembly — cryogenic applications
[NASA-CASE-MFS-25678-1] c 37 N82-25517

Magnetically actuated compressor
[NASA-CASE-GSC-12799-1] c 37 N83-20153

CRYOGENIC FLUID STORAGE

Apparatus for transferring cryogenic liquids Patent
[NASA-CASE-XLE-00345] c 15 N70-38020

Cryogenic storage system Patent
[NASA-CASE-XMS-04390] c 31 N70-41871

Techniques for insulating cryogenic fuel containers Patent
[NASA-CASE-XLA-01967] c 31 N70-42015

Method of making a filament-wound container Patent
[NASA-CASE-XLE-03803-2] c 15 N71-17651

Cryogenic insulation system Patent
[NASA-CASE-XLE-04222] c 23 N71-22881

Panelized high performance multilayer insulation Patent
[NASA-CASE-MFS-14023] c 33 N71-25351

Cryogenic thermal insulation Patent
[NASA-CASE-XMF-05046] c 33 N71-28892

Zero gravity shadow shield aligner
[NASA-CASE-KSC-10622-1] c 31 N72-21893

Heater-mixer for stored fluids
[NASA-CASE-ARC-10442-1] c 35 N74-15093

Low heat leak connector for cryogenic system
[NASA-CASE-XLE-02367-1] c 31 N79-21225

Cryogenic container compound suspension strap
[NASA-CASE-ARC-11157-1] c 37 N80-18393

CRYOGENIC FLUIDS

Cryogenic apparatus for measuring the intensity of magnetic fields
[NASA-CASE-XAC-02407] c 14 N69-27423

Venting vapor apparatus Patent
[NASA-CASE-XLE-00288] c 15 N70-34247

Conical valve plug Patent
[NASA-CASE-XLE-00715] c 15 N70-34859

Fluid coupling Patent
[NASA-CASE-XLE-00397] c 15 N70-36492

Densitometer Patent
[NASA-CASE-XLE-00688] c 14 N70-41330

Cryogenic connector for vacuum use Patent
[NASA-CASE-XGS-02441] c 15 N70-41629

Liquid flow sight assembly Patent
[NASA-CASE-XLE-02998] c 14 N70-42074

Automatic thermal switch Patent
[NASA-CASE-XNP-03796] c 23 N71-15467

Zero gravity separator Patent
[NASA-CASE-XLE-00586] c 15 N71-15968

Apparatus for measuring thermal conductivity Patent
[NASA-CASE-XGS-01052] c 14 N71-15992

Process of forming particles in a cryogenic path Patent
[NASA-CASE-NPO-10250] c 23 N71-16212

Superconducting alternator Patent
[NASA-CASE-XLE-02823] c 09 N71-23443

Flow angle sensor and read out system Patent
[NASA-CASE-XLE-04503] c 14 N71-24864

Geysering inhibitor for vertical cryogenic transfer pipe
[NASA-CASE-KSC-10615] c 15 N73-12486

Magnetocaloric pump — for cryogenic fluids
[NASA-CASE-LEW-11672-1] c 37 N74-27904

Cryogenic liquid sensor
[NASA-CASE-NPO-10619-1] c 35 N77-21393

CRYOGENIC GYROSCOPES

Cryogenic gyroscope housing — with annular disks for gas spin-up
[NASA-CASE-MFS-21136-1] c 35 N74-18323

CRYOGENIC MAGNETS

Superconducting alternator
[NASA-CASE-XLE-02824] c 03 N69-39890

CRYOGENIC ROCKET PROPELLANTS

Quick attach and release fluid coupling assembly Patent
[NASA-CASE-XKS-01985] c 15 N71-10782

Hot wire liquid level detector for cryogenic fluids Patent
[NASA-CASE-XLE-00454] c 23 N71-17802

Automatic pump Patent
[NASA-CASE-XNP-04731] c 15 N71-24042

CRYOGENIC STORAGE

Insulation system Patent
[NASA-CASE-XLE-02647] c 18 N71-23658

Filament wound container Patent
[NASA-CASE-XLE-03803] c 15 N71-23816

CRYOGENIC WIND TUNNELS

Continuous self-locking spiral wound seal --- for maintaining pressure between chambers in cryogenic wind tunnels

[NASA-CASE-LAR-12315-1] c 37 N82-24490

CRYOGENICS

Low temperature aluminum alloy Patent

[NASA-CASE-XMF-02786] c 17 N71-20743

Cryogenic cooling system Patent

[NASA-CASE-NPO-10467] c 23 N71-26654

Germanium coated microbridge and method

[NASA-CASE-MFS-23274-1] c 33 N78-13320

Dielectric-loaded waveguide circulator for cryogenically cooled and cascaded maser waveguide structures

[NASA-CASE-NPO-14254-1] c 36 N80-18372

High toughness-high strength iron alloy

[NASA-CASE-LEW-12542-3] c 26 N80-32484

Multispectral scanner optical system

[NASA-CASE-MSC-12555-1] c 74 N80-33210

Polymers compositions and their method of manufacture --- forming filled polymer systems using cryogenics

[NASA-CASE-NPO-10424-1] c 27 N81-24258

CRYOLITE

Ultraviolet filter

[NASA-CASE-XNP-02340] c 23 N69-24332

CRYOSTATS

Low temperature flexure fatigue cryostat Patent

[NASA-CASE-XMF-02964] c 14 N71-17659

Horizontal cryostat for fatigue testing Patent

[NASA-CASE-XMF-10968] c 14 N71-24234

Heater-mixer for stored fluids

[NASA-CASE-ARC-10442-1] c 35 N74-15093

Cryostat system for temperatures on the order of 2 deg K or less

[NASA-CASE-NPO-13459-1] c 31 N77-10229

Low cost cryostat

[NASA-CASE-NPO-14513-1] c 35 N81-14287

CRYOTRAPPING

Atomic hydrogen storage --- cryotrapping and magnetic field strength

[NASA-CASE-LEW-12081-2] c 28 N80-20402

CRYSTAL DEFECTS

Method of controlling defect orientation in silicon crystal ribbon growth

[NASA-CASE-NPO-13918-1] c 76 N79-11920

CRYSTAL FILTERS

Infrared tunable laser

[NASA-CASE-ARC-10463-1] c 09 N73-32111

Partial polarizer filter

[NASA-CASE-GSC-12225-1] c 74 N79-14891

Inductorless narrow-band filter/amplifier

[NASA-CASE-GSC-12410-1] c 33 N79-24260

CRYSTAL GROWTH

Apparatus for producing high purity silicon carbide crystals Patent

[NASA-CASE-XLA-02057] c 26 N70-40015

Method of producing crystalline materials

[NASA-CASE-NPO-10440] c 15 N72-21466

Vapor phase growth of groups 3-5 compounds by hydrogen chloride transport of the elements

[NASA-CASE-LAR-11144-1] c 25 N75-26043

Process for fabricating SiC semiconductor devices

[NASA-CASE-LEW-12094-1] c 76 N76-25049

Method of crystallization --- in gravity-free environments

[NASA-CASE-MFS-23001-1] c 76 N77-32919

Pressure transducer --- using a monomeric charge transfer complex sensor

[NASA-CASE-NPO-11150] c 35 N78-17359

Method of controlling defect orientation in silicon crystal ribbon growth

[NASA-CASE-NPO-13918-1] c 76 N79-11920

Growth of silicon carbide crystals on a seed while pulling silicon crystals from a melt

[NASA-CASE-NPO-13969-1] c 76 N79-23798

Method of mitigating titanium impurities effects in p-type silicon material for solar cells

[NASA-CASE-NPO-14635-1] c 44 N80-24741

Means for growing ribbon crystals without subjecting the crystals to thermal shock-induced strains

[NASA-CASE-NPO-14298-1] c 76 N80-32244

Method of growing a ribbon crystal particularly suited for facilitating automated control of ribbon width

[NASA-CASE-NPO-14295-1] c 76 N80-32245

Apparatus for use in the production of ribbon-shaped crystals from a silicon melt

[NASA-CASE-NPO-14297-1] c 33 N81-19389

Method and apparatus for growth of crystals by pressure reduction of supercritical or subcritical solution

[NASA-CASE-NPO-15772-1] c 76 N82-23031

Process and apparatus for growing a crystal ribbon --- for use in photovoltaic cells

[NASA-CASE-NPO-15629-1] c 44 N82-26779

Total immersion crystal growth --- using a melt covered with an encapsulating fluid

[NASA-CASE-NPO-15800-1] c 76 N83-15149

Ampoule sealing apparatus and process --- for housing a semiconductor growth charge under vacuum

[NASA-CASE-LAR-12847-1] c 33 N83-16633

Method of preparing radially homogeneous mercury cadmium telluride crystals

[NASA-CASE-MFS-25786-1] c 76 N83-18533

Controlled in situ etch-back

[NASA-CASE-NPO-15625-1] c 76 N83-20789

Method and apparatus for supercooling and solidifying substances

[NASA-CASE-MFS-25242-1] c 35 N83-29650

Method for growing low defect, high purity crystalline layers --- photovoltaic cells

[NASA-CASE-NPO-15813-1] c 76 N83-30269

CRYSTAL LATTICES

Apparatus for use in examining the lattice of a semiconductor wafer by X-ray diffraction

[NASA-CASE-MFS-23315-1] c 76 N78-24950

Crystal cleaving machine

[NASA-CASE-GSC-12584-1] c 37 N82-32730

CRYSTAL OPTICS

Optical crystal temperature gauge with fiber optic connections

[NASA-CASE-MSC-18627-1] c 74 N82-30071

CRYSTAL OSCILLATORS

Microbalance including crystal oscillators for measuring contaminants in a gas system Patent

[NASA-CASE-NPO-10144] c 14 N71-17701

Passive intrusion detection system

[NASA-CASE-NPO-13804-1] c 33 N80-23559

Automatic oscillator frequency control system

[NASA-CASE-GSC-12804-1] c 33 N83-35228

CRYSTAL RECTIFIERS

Turn on transient limiter Patent

[NASA-CASE-GSC-10413] c 10 N71-26531

CRYSTAL STRUCTURE

Method of growing composites of the type exhibiting the Soret effect --- improved structure of eutectic alloy crystals

[NASA-CASE-MFS-22926-1] c 24 N77-27187

CRYSTALLINITY

Crystalline polyimides --- reinforcing fibers for high temperature composites and adhesives as well as flame retardation

[NASA-CASE-LAR-12099-1] c 27 N80-16158

CRYSTALLIZATION

Method of crystallization --- in gravity-free environments

[NASA-CASE-MFS-23001-1] c 76 N77-32919

CRYSTALS

Brushless direct current tachometer Patent

[NASA-CASE-MFS-20385] c 09 N71-24904

Method and apparatus for slicing crystals

[NASA-CASE-GSC-12291-1] c 76 N80-18951

Workpiece positioning vise

[NASA-CASE-GSC-12762-1] c 37 N82-29604

Crystal cleaving machine

[NASA-CASE-GSC-12584-1] c 37 N82-32730

CUBIC LATTICES

Stabilized lanthanum sulphur compounds --- thermoelectric materials

[NASA-CASE-NPO-16135-1] c 25 N83-24572

CUES

Helmet weight simulator

[NASA-CASE-LAR-12320-1] c 54 N81-27806

CUFFS

Logic-controlled occlusive cuff system

[NASA-CASE-MSC-14836-1] c 52 N82-11770

Prosthetic occlusive device for an internal passageway

[NASA-CASE-MFS-25640-1] c 52 N82-26962

CULTURE TECHNIQUES

Variable angle tube holder

[NASA-CASE-LAR-10507-1] c 11 N72-25284

Automatic inoculating apparatus --- includes movable carriage, drive motor, and swabbing motor

[NASA-CASE-LAR-11074-1] c 51 N75-13502

Automatic microbial transfer device

[NASA-CASE-LAR-11354-1] c 35 N75-27330

Electrochemical detection device --- for use in microbiology

[NASA-CASE-LAR-11922-1] c 25 N79-24073

Indirect microbial detection

[NASA-CASE-LAR-12520-1] c 51 N81-28698

Enhancement of in vitro guayule propagation

[NASA-CASE-NPO-15213-1] c 51 N83-17045

Method for detecting coliform organisms

[NASA-CASE-ARC-11322-1] c 51 N83-28849

CURIE TEMPERATURE

Manganese bismuth films with narrow transfer characteristics for Curie-point switching

[NASA-CASE-NPO-11336-1] c 76 N79-16678

CURING

Reaction cured glass and glass coatings

[NASA-CASE-ARC-11051-1] c 27 N78-32260

Ambient cure polyimide foams --- thermal resistant foams

[NASA-CASE-ARC-11170-1] c 27 N79-11215

Curing agent for polyepoxides and epoxy resins and composites cured therewith --- preventing carbon fiber release

[NASA-CASE-LEW-13226-1] c 27 N81-17260

Chemical approach for controlling nadamide cure temperature and rate

[NASA-CASE-LEW-13770-1] c 27 N83-13258

Method of neutralizing the corrosive surface of amine-cured epoxy resins

[NASA-CASE-GSC-12686-1] c 27 N83-34039

CURRENT AMPLIFIERS

Tuned analog network --- bandpass filter networks

[NASA-CASE-GSC-12650-1] c 33 N82-10324

Multi-channel temperature measurement amplification system --- solar heating systems

[NASA-CASE-MFS-23775-1] c 44 N82-16474

A dc to dc converter --- raising battery voltage in an ion propulsion system

[NASA-CASE-MFS-25430-1] c 33 N82-28550

CURRENT CONVERTERS (AC TO DC)

Simplified dc to dc converter

[NASA-CASE-LEW-13495-1] c 33 N82-24432

CURRENT DENSITY

Solid state switch

[NASA-CASE-XNP-09228] c 09 N69-27500

Method and apparatus for sputtering utilizing an aperture electrode and a pulsed substrate bias

[NASA-CASE-LEW-10920-1] c 17 N73-24569

Stable superconducting magnet --- high current levels below critical temperature

[NASA-CASE-XMF-05373-1] c 33 N79-21264

Catalyst surfaces for the chromous/chromic redox couple

[NASA-CASE-LEW-13148-2] c 44 N81-29524

CURRENT DISTRIBUTION

Connector - Electrical

[NASA-CASE-XLA-01288] c 09 N69-21470

Electrostatic ion rocket engine Patent

[NASA-CASE-XLE-02066] c 28 N71-15661

Reversible current control apparatus Patent

[NASA-CASE-XLA-09371] c 10 N71-18724

Polarity sensitive circuit Patent

[NASA-CASE-XNP-00952] c 10 N71-23271

Load insensitive electrical device --- power converters for supplying direct current at one voltage from a source at another voltage

[NASA-CASE-XER-11046-2] c 33 N74-22864

CURRENT REGULATORS

Apparatus for ballasting high frequency transistors

[NASA-CASE-XGS-05003] c 09 N69-24318

Baseline stabilization system for ionization detector Patent

[NASA-CASE-XNP-03128] c 10 N70-41991

Magnetic core current steering commutator Patent

[NASA-CASE-NPO-10201] c 08 N71-18694

Increasing efficiency of switching type regulator circuits Patent

[NASA-CASE-XMS-09352] c 09 N71-23316

Saturation current protection apparatus for saturable core transformers Patent

[NASA-CASE-ERC-10075] c 09 N71-24800

Drive circuit for minimizing power consumption in inductive load Patent

[NASA-CASE-NPO-10716] c 09 N71-24892

Turn on transient limiter Patent

[NASA-CASE-GSC-10413] c 10 N71-26531

Current regulating voltage divider

[NASA-CASE-MFS-20935] c 09 N71-34212

Ripple indicator

[NASA-CASE-KSC-10162] c 09 N72-11225

Inrush current limiter

[NASA-CASE-GSC-11789-1] c 33 N77-14333

Circuit for automatic load sharing in parallel converter modules

[NASA-CASE-NPO-14056-1] c 33 N79-24257

Three phase power factor controller

[NASA-CASE-MFS-25535-1] c 33 N81-12330

Motor power factor controller with a reduced voltage starter

[NASA-CASE-MFS-25586-1] c 33 N82-11360

Digital control of diode laser for atmospheric spectroscopy

[NASA-CASE-NPO-16000-1] c 36 N83-24842

Electronic system for high power load control --- solar arrays

[NASA-CASE-NPO-15358-1] c 33 N83-27126

CURVATURE

Spin forming tubular elbows Patent

[NASA-CASE-XMF-01083] c 15 N71-22723

- Two degree inverted flexure
[NASA-CASE-ARC-10345-1] c 15 N73-12488
Dual aperture multispectral Schmidt objective
[NASA-CASE-GSC-12756-1] c 74 N82-30073

CURVE FITTING

- Voltage-current characteristic simulator Patent
[NASA-CASE-XMS-01554] c 10 N71-10578

CURVED PANELS

- Method and apparatus for making curved reflectors
Patent
[NASA-CASE-XLE-08917] c 15 N71-15597
Radio frequency shielded enclosure Patent
[NASA-CASE-XMF-09422] c 07 N71-19436
Roll-up solar array Patent
[NASA-CASE-NPO-10188] c 03 N71-20273
Apparatus for making curved reflectors Patent
[NASA-CASE-XLE-08917-2] c 15 N71-24836
Variable contour securing system
[NASA-CASE-MSC-16270-1] c 37 N78-27423
Thermal control system
[NASA-CASE-GSC-12771-1] c 34 N83-12361

CURVES (GEOMETRY)

- Curved cap corrugated sheet
[NASA-CASE-LAR-12884-1] c 31 N83-29446

CUSHIONS

- Seat cushion to provide realistic acceleration cues to aircraft simulator pilot
[NASA-CASE-LAR-12149-2] c 09 N79-31228
Fire blocking systems for aircraft seat cushions
[NASA-CASE-ARC-11423-1] c 03 N83-17525
Hot melt adhesive attachment pad
[NASA-CASE-LAR-12894-1] c 27 N83-34044

CUTTERS

- Aligning and positioning device Patent
[NASA-CASE-XMS-04178] c 15 N71-22798
Weld preparation machine Patent
[NASA-CASE-XKS-07953] c 15 N71-26134
Microcircuit negative cutter
[NASA-CASE-XLA-09843] c 15 N72-27485
Insert facing tool — manually operated cutting tool for forming studs in honeycomb material
[NASA-CASE-MFS-21485-1] c 37 N74-25968
Grinding arrangement for ball nose milling cutters
[NASA-CASE-LAR-10450-1] c 37 N74-27905
Ophthalmic lamination pump
[NASA-CASE-LEW-12051-1] c 52 N75-33640
Coal-shale interface detection
[NASA-CASE-MFS-23720-3] c 43 N79-25443
System for slicing silicon wafers
[NASA-CASE-NPO-14406-1] c 37 N80-29703
Tubing and cable cutting tool
[NASA-CASE-LAR-12786-1] c 37 N82-20545
Open ended tubing cutters
[NASA-CASE-MSC-18538-1] c 37 N82-26672
Improved ingot slicing machine
[NASA-CASE-NPO-15483-1] c 37 N82-28642

CUTTING

- Ellipsograph for pantograph Patent
[NASA-CASE-XLA-03102] c 14 N71-21079
Precision alignment apparatus for cutting a workpiece
[NASA-CASE-LAR-11658-1] c 37 N77-14478
Tubing and cable cutting tool
[NASA-CASE-LAR-12786-1] c 37 N82-20545
Explosively activated egress area
[NASA-CASE-LAR-12624-1] c 01 N83-35992

CYANATES

- Catalysts for polyimide foams from aromatic isocyanates and aromatic dianhydrides — flame retardant foams
[NASA-CASE-ARC-11107-1] c 25 N80-16116

CYCLES

- Pneumatic system for controlling and actuating pneumatic cyclic devices
[NASA-CASE-XMS-04843] c 03 N69-21469
Feedback shift register with states decomposed into cycles of equal length
[NASA-CASE-NPO-11082] c 08 N72-22167

CYCLIC ACCELERATORS

- Cyclical bi-directional rotary actuator
[NASA-CASE-GSC-11883-1] c 37 N77-19458

CYCLIC COMPOUNDS

- Carboranycyclophosphazenes and their polymers — thermal insulation
[NASA-CASE-ARC-11176-1] c 27 N82-18389

CYCLIC HYDROCARBONS

- Intumescent composition, foamed product prepared therewith, and process for making same
[NASA-CASE-ARC-10304-1] c 18 N73-26572

CYCLIC LOADS

- Automatic fatigue test temperature programmer Patent
[NASA-CASE-XLA-02059] c 33 N71-24276
Low cycle fatigue testing machine
[NASA-CASE-LAR-10270-1] c 32 N72-25877
Material fatigue testing system
[NASA-CASE-MFS-20673] c 14 N73-20476

CYCLOTRON RADIATION

- Targets for producing high purity I-123
[NASA-CASE-LEW-10518-3] c 25 N78-27226

CYCLOTRON RESONANCE

- Miniature cyclotron resonance ion source using small permanent magnet
[NASA-CASE-NPO-14324-1] c 72 N80-27163

CYCLOTRON RESONANCE DEVICES

- Miniature cyclotron resonance ion source using small permanent magnet
[NASA-CASE-NPO-14324-1] c 72 N80-27163
Gyrotron transmitting tube
[NASA-CASE-LEW-13429-1] c 33 N83-31952

CYLINDRICAL ANTENNAS

- Variable beamwidth antenna — with multiple beam, variable feed system
[NASA-CASE-GSC-11862-1] c 32 N76-18295

CYLINDRICAL BODIES

- Apparatus for scanning the surface of a cylindrical body
[NASA-CASE-NPO-11861-1] c 36 N74-20009
Aerodynamic side-force alleviator means
[NASA-CASE-LAR-12326-1] c 02 N81-14968

CYLINDRICAL CHAMBERS

- Modified spiral wound retaining ring
[NASA-CASE-LAR-12361-1] c 37 N83-19091

CYLINDRICAL SHELLS

- Variable length strut with longitudinal compliance and locking capability — constructing truss and beam structures in space and interconnecting an orbit transfer vehicle and a payload
[NASA-CASE-MFS-25907-1] c 37 N83-31019

CYSTS

- Coupling apparatus for ultrasonic medical diagnostic system
[NASA-CASE-NPO-13935-1] c 52 N79-14751

CZOCHEWSKI METHOD

- Electromigration process for the purification of molten silicon during crystal growth
[NASA-CASE-NPO-14831-1] c 78 N82-30105

D

DAMAGE

- Method of repairing surface damage to porous refractory substrates — space shuttle orbiter tiles
[NASA-CASE-MSC-18736-1] c 24 N83-13172

DAMPERS (VALVES)

- Multiple plate hydrostatic viscous damper
[NASA-CASE-LEW-13445-2] c 37 N83-17883

DAMPING

- Dynamic precession damper for spin stabilized vehicles Patent
[NASA-CASE-XLA-01989] c 21 N70-34295
Slosh suppressing device and method Patent
[NASA-CASE-XMF-00658] c 12 N70-38997
Attitude control and damping system for spacecraft Patent
[NASA-CASE-XLA-02551] c 21 N71-21708
Passive caging mechanism Patent
[NASA-CASE-GSC-10306-1] c 15 N71-24694
Nutation damper
[NASA-CASE-GSC-11205-1] c 15 N73-25513
Parasitic suppressing circuit
[NASA-CASE-ERC-10403-1] c 10 N73-26228
Damping seal for turbomachinery
[NASA-CASE-MFS-25842-1] c 37 N83-26080

DATA ACQUISITION

- Analog-to-digital conversion system Patent
[NASA-CASE-XAC-00404] c 08 N70-40125
Position location and data collection system and method Patent
[NASA-CASE-GSC-10083-1] c 30 N71-16090
Analog signal integration and reconstruction system Patent
[NASA-CASE-NPO-10344] c 10 N71-26544
Data transfer system Patent
[NASA-CASE-NPO-12107] c 08 N71-27255
Simultaneous acquisition of tracking data from two stations
[NASA-CASE-NPO-13292-1] c 32 N75-15854
Contour detector and data acquisition system for the left ventricular outline
[NASA-CASE-ARC-10985-1] c 52 N79-10724

DATA COLLECTION PLATFORMS

- Remote platform power conserving system
[NASA-CASE-GSC-11182-1] c 15 N75-13007

DATA COMPRESSION

- Data compression system with a minimum time delay unit Patent
[NASA-CASE-XNP-08832] c 08 N71-12506
Data compression processor Patent
[NASA-CASE-NPO-10068] c 08 N71-19288
Wide range data compression system Patent
[NASA-CASE-XGS-02612] c 08 N71-19435

- Method and apparatus for data compression by a decreasing slope threshold test
[NASA-CASE-NPO-10769] c 08 N72-11171

- Data compression system
[NASA-CASE-NPO-11243] c 07 N72-20154
Gated compressor, distortionless signal limiter
[NASA-CASE-NPO-11820-1] c 32 N74-19788
Space communication system for compressed data with a concatenated Reed-Solomon-Viterbi coding channel
[NASA-CASE-NPO-13545-1] c 32 N77-12240
Sampling video compression system
[NASA-CASE-ARC-10984-1] c 32 N77-24328

DATA CONVERTERS

- Logarithmic converter Patent
[NASA-CASE-XLA-00471] c 08 N70-34778
Mechanical coordinate converter Patent
[NASA-CASE-XNP-00614] c 14 N70-36907
Analog Signal to Discrete Time Interval Converter (ASDIC)
[NASA-CASE-ERC-10048] c 09 N72-25251
High speed direct binary to binary coded decimal converter and scaler
[NASA-CASE-KSC-10595] c 08 N73-12176
Image data rate converter having a drum with a fixed head and a rotatable head
[NASA-CASE-NPO-11859-1] c 35 N74-11283
Electronic analog divider
[NASA-CASE-LEW-11881-1] c 33 N77-17354
Digital demodulator
[NASA-CASE-LAR-12659-1] c 33 N82-26570

DATA CORRELATION

- Instrument for determining coincidence and elapse time between independent sources of random sequential events
[NASA-CASE-LAR-12531-1] c 35 N83-29651

- Auto covariance computer
[NASA-CASE-LAR-12968-1] c 35 N83-34273

DATA LINKS

- Multichannel telemetry system
[NASA-CASE-NPO-11572] c 07 N73-16121
Automated attendance accounting system
[NASA-CASE-NPO-11456] c 08 N73-26176
Multi-computer multiple data path hardware exchange system
[NASA-CASE-NPO-13422-1] c 60 N76-14818
Apparatus for simulating optical transmission links
[NASA-CASE-GSC-11877-1] c 74 N76-18913

DATA MANAGEMENT

- Selective data segment monitoring system — using shift registers
[NASA-CASE-ARC-10899-1] c 60 N77-19760

DATA PROCESSING

- Energy management system for glider type vehicle Patent
[NASA-CASE-XFR-00756] c 02 N71-13421
Minimal logic block encoder Patent
[NASA-CASE-NPO-10595] c 10 N71-25917
Data transfer system Patent
[NASA-CASE-NPO-12107] c 08 N71-27255
Transient augmentation circuit for pulse amplifiers Patent
[NASA-CASE-XNP-01068] c 10 N71-28739
Pseudonoise (PN) synchronization of data system with derivation of clock frequency from received signal for clocking receiver PN generator
[NASA-CASE-XNP-03823] c 09 N73-26084
Image data rate converter having a drum with a fixed head and a rotatable head
[NASA-CASE-NPO-11859-1] c 35 N74-11283
Charge-coupled device data processor for an airborne imaging radar system
[NASA-CASE-NPO-13587-1] c 32 N77-32342
Interactive color display for multispectral imagery using correlation clustering
[NASA-CASE-MSC-16253-1] c 32 N79-20297
High-speed multiplexing of keyboard data inputs
[NASA-CASE-NPO-14554-1] c 60 N81-27814
Method of and apparatus for generating an interstitial point in a data stream having an even number of data points
[NASA-CASE-MFS-25319-1] c 64 N83-12932

DATA PROCESSING EQUIPMENT

- Data processor having multiple sections activated at different times by selective power coupling to the sections Patent
[NASA-CASE-XGS-04767] c 08 N71-12494
Demodulation system Patent
[NASA-CASE-XAC-04030] c 10 N71-19472
Rate augmented digital to analog converter Patent
[NASA-CASE-XLA-07828] c 08 N71-27057
Variable digital processor including a register for shifting and rotating bits in either direction Patent
[NASA-CASE-GSC-10186] c 08 N71-33110
Flexible computer accessed telemetry
[NASA-CASE-NPO-11358] c 07 N72-25172

Versatile arithmetic unit for high speed sequential decoder

[NASA-CASE-NPO-11371] c 08 N73-12177

Data processor with conditionally supplied clock signals

[NASA-CASE-GSC-10975-1] c 08 N73-13187

Automated attendance accounting system

[NASA-CASE-NPO-11456] c 08 N73-26176

Space communication system for compressed data with a concatenated Reed-Solomon-Viterbi coding channel

[NASA-CASE-NPO-13545-1] c 32 N77-12240

High-speed multiplexing of keyboard data inputs

[NASA-CASE-NPO-14554-1] c 60 N81-27814

DATA RECORDERS

Data compressor Patent

[NASA-CASE-XNP-04067] c 08 N71-22707

Recorder using selective noise filter

[NASA-CASE-ERC-10112] c 07 N72-21119

Recorder/processor apparatus --- for optical data processing

[NASA-CASE-GSC-11553-1] c 35 N74-15831

DATA RECORDING

System for recording and reproducing pulse code modulated data Patent

[NASA-CASE-XGS-01021] c 08 N71-21042

Data compressor Patent

[NASA-CASE-XNP-04067] c 08 N71-22707

Incremental tape recorder and data rate converter Patent

[NASA-CASE-XNP-02778] c 08 N71-22710

Transient video signal recording with expanded playback

Patent

[NASA-CASE-ARC-10003-1] c 09 N71-25866

On-film optical recording of camera lens settings

[NASA-CASE-MS-C-12363-1] c 14 N73-26431

Image data rate converter having a drum with a fixed head and a rotatable head

[NASA-CASE-NPO-11659-1] c 35 N74-11283

Holography utilizing surface plasmon resonances

[NASA-CASE-MFS-22040-1] c 35 N74-26946

DATA REDUCTION

Data compression system

[NASA-CASE-XNP-09785] c 08 N69-21928

Method and system for respiration analysis Patent

[NASA-CASE-XFR-08403] c 05 N71-11202

Data compression system with a minimum time delay unit Patent

[NASA-CASE-XNP-08832] c 08 N71-12506

Data compression processor Patent

[NASA-CASE-NPO-10068] c 08 N71-19288

Wide range data compression system Patent

[NASA-CASE-XGS-02612] c 08 N71-19435

Data compressor Patent

[NASA-CASE-XNP-04067] c 08 N71-22707

Method and apparatus for data compression by a decreasing slope threshold test

[NASA-CASE-NPO-10769] c 08 N72-11171

Data compression system

[NASA-CASE-NPO-11243] c 07 N72-20154

Digital slope threshold data compressor

[NASA-CASE-NPO-11630] c 08 N72-33172

DATA RETRIEVAL

Magnetic matrix memory system Patent

[NASA-CASE-XMF-05835] c 08 N71-12504

Asynchronous, multiplexing, single line transmission and recovery data system --- for satellite use

[NASA-CASE-NPO-13321-1] c 32 N75-26195

DATA SAMPLING

Reduced bandwidth video communication system utilizing sampling techniques Patent

[NASA-CASE-XNP-02791] c 07 N71-23026

Signal processing apparatus for multiplex transmission Patent

[NASA-CASE-NPO-10388] c 07 N71-24622

Television signal processing system Patent

[NASA-CASE-NPO-10140] c 07 N71-24742

Method and apparatus for data compression by a decreasing slope threshold test

[NASA-CASE-NPO-10769] c 08 N72-11171

Sampling video compression system

[NASA-CASE-ARC-10984-1] c 32 N77-24328

CCD correlated quadruple sampling processor

[NASA-CASE-NPO-14426-1] c 33 N81-27396

DATA SMOOTHING

Variable time constant smoothing circuit Patent

[NASA-CASE-XGS-01983] c 10 N70-41964

Smoothing filter for digital to analog conversion

[NASA-CASE-FRC-11025-1] c 33 N82-24417

DATA STORAGE

Data handling system based on source significance, storage availability and data received from the source Patent Application

[NASA-CASE-XNP-04162-1] c 08 N70-34675

Magnetic matrix memory system Patent

[NASA-CASE-XMF-05835] c 08 N71-12504

Tape guidance system and apparatus for the provision thereof Patent

[NASA-CASE-XNP-09453] c 08 N71-19420

Event recorder Patent

[NASA-CASE-XLA-01832] c 14 N71-21006

System for recording and reproducing pulse code modulated data Patent

[NASA-CASE-XGS-01021] c 08 N71-21042

Incremental tape recorder and data rate converter Patent

[NASA-CASE-XNP-02778] c 08 N71-22710

Multiple hologram recording and readout system Patent

[NASA-CASE-ERC-10151] c 16 N71-29131

Dual purpose momentum wheels for spacecraft with magnetic recording

[NASA-CASE-NPO-11481] c 21 N73-13644

Data storage, image tube type

[NASA-CASE-MS-C-14053-1] c 60 N74-12888

Lightning current waveform measuring system

[NASA-CASE-KSC-11018-1] c 33 N79-10337

DATA SYSTEMS

Data handling system based on source significance, storage availability and data received from the source Patent Application

[NASA-CASE-XNP-04162-1] c 08 N70-34675

Rate augmented digital to analog converter Patent

[NASA-CASE-XLA-07828] c 08 N71-27057

Method and apparatus for decoding compatible convolutional codes

[NASA-CASE-MS-C-14070-1] c 32 N74-32598

DATA TRANSMISSION

Telemetry word forming unit

[NASA-CASE-XNP-09225] c 09 N69-24333

Phase-shift data transmission system having a pseudo-noise SYNC code modulated with the data in a single channel Patent

[NASA-CASE-NPO-00911] c 08 N70-41961

Data compression system with a minimum time delay unit Patent

[NASA-CASE-XNP-08832] c 08 N71-12506

Data compression processor Patent

[NASA-CASE-NPO-10068] c 08 N71-19288

Wide range data compression system Patent

[NASA-CASE-XGS-02612] c 08 N71-19435

Phase quadrature-plural channel data transmission system Patent

[NASA-CASE-XAC-06302] c 08 N71-19763

Reduced bandwidth video communication system utilizing sampling techniques Patent

[NASA-CASE-XNP-02791] c 07 N71-23026

Frequency shift keying apparatus Patent

[NASA-CASE-XGS-01537] c 07 N71-23405

Decoder system Patent

[NASA-CASE-NPO-10118] c 07 N71-24741

Data compression system

[NASA-CASE-NPO-11243] c 07 N72-20154

Multichannel telemetry system

[NASA-CASE-NPO-11572] c 07 N73-16121

Automated attendance accounting system

[NASA-CASE-NPO-11456] c 08 N73-26176

System for generating timing and control signals

[NASA-CASE-NPO-13125-1] c 33 N75-19519

Sampling video compression system

[NASA-CASE-ARC-10984-1] c 32 N77-24328

Pseudo noise code and data transmission method and apparatus

[NASA-CASE-GSC-12017-1] c 32 N77-30308

Multi-channel rotating optical interface for data transmission

[NASA-CASE-NPO-14068-1] c 74 N79-34011

System for a displaying at a remote station data generated at a central station and for powering the remote station from the central station

[NASA-CASE-GSC-12411-1] c 33 N81-14221

Retinally stabilized differential resolution television display

[NASA-CASE-JPO-15432-1] c 32 N83-12308

A single frequency multitransmitter telemetry system

[NASA-CASE-LAR-13006-1] c 17 N83-20995

DAWSONITE

Synthesis of dawsonites --- for use in fire extinguishing operations

[NASA-CASE-ARC-11326-1] c 25 N83-33977

DEBRIS

Counter pumping debris excluder and separator --- gas turbine shaft seals

[NASA-CASE-LEW-11855-1] c 07 N78-25090

DECAY RATES

Solar sensor having coarse and fine sensing with matched preirradiated cells and method of selecting cells Patent

[NASA-CASE-XLA-01584] c 14 N71-23269

DECELERATION

Assembly for recovering a capsule Patent

[NASA-CASE-XMF-00641] c 31 N70-38410

Discrete local altitude sensing device Patent

[NASA-CASE-XMS-03792] c 14 N70-41812

Hot air balloon deceleration and recovery system Patent

[NASA-CASE-XLA-06824-2] c 02 N71-11037

Zero gravity apparatus Patent

[NASA-CASE-XMF-06515] c 14 N71-23227

DECIMALS

High speed direct binary to binary coded decimal converter and scaler

[NASA-CASE-KSC-10595] c 08 N73-12176

DECISION MAKING

Method and apparatus for decoding compatible convolutional codes

[NASA-CASE-MS-C-14070-1] c 32 N74-32598

DECODERS

Serial digital decoder Patent

[NASA-CASE-NPO-10150] c 08 N71-24650

BCD to decimal decoder Patent

[NASA-CASE-XKS-06167] c 08 N71-24890

Encoder/decoder system for a rapidly synchronizable binary code Patent

[NASA-CASE-NPO-10342] c 10 N71-33407

Compact-bi-phase pulse coded modulation decoder

[NASA-CASE-KSC-10834-1] c 33 N76-14371

Low distortion receiver for bi-level baseband PCM waveforms

[NASA-CASE-MS-C-14557-1] c 32 N76-16249

Three phase full wave dc motor decoder

[NASA-CASE-GSC-11824-1] c 33 N77-26386

Decommutator patchboard verifier

[NASA-CASE-KSC-11065-1] c 33 N81-26359

DECODING

Decoder system Patent

[NASA-CASE-NPO-10118] c 07 N71-24741

Versatile arithmetic unit for high speed sequential decoder

[NASA-CASE-NPO-11371] c 08 N73-12177

Method and apparatus for decoding compatible convolutional codes

[NASA-CASE-MS-C-14070-1] c 32 N74-32598

Differential pulse code modulation

[NASA-CASE-MS-C-12506-1] c 32 N77-12239

DECOMMUTATORS

Memory-based parallel data output controller

[NASA-CASE-GSC-12447-1] c 60 N80-21987

Decommutator patchboard verifier

[NASA-CASE-KSC-11065-1] c 33 N81-26359

Memory-based parallel data output controller

[NASA-CASE-GSC-12447-2] c 17 N83-29302

DECONTAMINATION

Decontamination of petroleum products Patent

[NASA-CASE-XNP-03835] c 06 N71-23499

Helium refrigerator and method for decontaminating the refrigerator

[NASA-CASE-NPO-10634] c 23 N72-25619

Plasma cleaning device --- designed for high vacuum environments

[NASA-CASE-MFS-22906-1] c 75 N78-27913

DEEP SPACE NETWORK

Low phase noise digital frequency divider

[NASA-CASE-NPO-11569] c 10 N73-26229

DEFECTS

Hybrid holographic non-destructive test system

[NASA-CASE-MFS-23114-1] c 38 N78-32447

DEFLECTION

Bipropellant injector

[NASA-CASE-XNP-09461] c 28 N72-23809

Noncontacting method for measuring angular deflection

[NASA-CASE-LAR-12178-1] c 74 N80-21138

DEFLECTORS

Inlet deflector for jet engines Patent

[NASA-CASE-XLE-00388] c 28 N70-34788

Aircraft wheel spray drag alleviator Patent

[NASA-CASE-XLA-01583] c 02 N70-36825

Ion beam deflector Patent

[NASA-CASE-LEW-10689-1] c 28 N71-26173

Exhaust flow deflector --- for ducted gas flow

[NASA-CASE-LAR-11570-1] c 34 N78-18364

Safety shield for vacuum/pressure chamber viewing port

[NASA-CASE-GSC-12513-1] c 31 N81-19343

DEFOCUSING

Retrodirective modulator Patent

[NASA-CASE-GSC-10062] c 14 N71-15605

DEFORMATION

Arbitrarily shaped model survey system Patent

[NASA-CASE-LAR-10098] c 32 N71-26681

Low cycle fatigue testing machine

DEGASSING

Degassifying and mixing apparatus for liquids — potable water for spacecraft
[NASA-CASE-MSC-18938-1] c 35 N83-29652

DEGREES OF FREEDOM

Training vehicle for controlling attitude Patent
[NASA-CASE-XMS-02977] c 11 N71-10748
Dynamic vibration absorber Patent
[NASA-CASE-LAR-10083-1] c 15 N71-27006
Kinesthetic control simulator — for pilot training
[NASA-CASE-LAR-10276-1] c 09 N75-15662

DEHUMIDIFICATION

Condenser - Separator
[NASA-CASE-XLA-08645] c 15 N69-21465

DEHYDRATED FOOD

Modification of the physical properties of freeze-dried rice
[NASA-CASE-MSC-13540-1] c 05 N72-33098
Self-charging metering and dispensing device for fluids
[NASA-CASE-MSC-20275-1] c 35 N83-17858

DEICING

Piezoelectric deicing device
[NASA-CASE-LEW-13773-1] c 05 N83-29197

DELAY CIRCUITS

Pulsed differential comparator circuit Patent
[NASA-CASE-XLE-03804] c 10 N71-19471
Control apparatus for applying pulses of selectively predetermined duration to a sequence of loads Patent
[NASA-CASE-XGS-04224] c 10 N71-26418
Telemetry synchronizer
[NASA-CASE-GSC-11868-1] c 17 N78-22245
Sweep group delay measurement
[NASA-CASE-NPO-13908-1] c 33 N78-25319
Pseudonoise code tracking loop
[NASA-CASE-MSC-18035-1] c 32 N81-15179

DELAY LINES

A solid state acoustic variable time delay line Patent
[NASA-CASE-ERC-10032] c 10 N71-25900

DELTA MODULATION

Multifunction audio digitizer — producing direct delta and pulse code modulation
[NASA-CASE-MSC-13855-1] c 35 N74-17885

DELTA WINGS

Variable-geometry winged reentry vehicle Patent
[NASA-CASE-XLA-00241] c 31 N70-37888

DEMAGNETIZATION

Tumbler system to provide random motion
[NASA-CASE-XGS-02437] c 15 N69-21472

DEMODULATION

Phase quadrature-plural channel data transmission system Patent
[NASA-CASE-XAC-06302] c 08 N71-19763
Facsimile video remodulation network
[NASA-CASE-GSC-10185-1] c 07 N72-12081
Quadrature demodulation
[NASA-CASE-GSC-12137-1] c 33 N78-32338

DEMODULATORS

Telemetry word forming unit
[NASA-CASE-XNP-09225] c 09 N69-24333
Frequency shift keyed demodulator Patent
[NASA-CASE-XGS-02889] c 07 N71-11282
Bi-carrier demodulator with modulation Patent
[NASA-CASE-XMF-01160] c 07 N71-11288
Demodulation system Patent
[NASA-CASE-XAC-04030] c 10 N71-19472
Laser calibrator Patent
[NASA-CASE-XLA-03410] c 16 N71-25914
Frequency modulation demodulator threshold extension device Patent
[NASA-CASE-MSC-12165-1] c 07 N71-33696
Full wave modulator-demodulator amplifier apparatus — for generating rectified output signal
[NASA-CASE-FRC-10072-1] c 33 N74-14939
Unbalanced quadrature demodulator
[NASA-CASE-MSC-14840-1] c 32 N77-24331
Digital demodulator-correlator
[NASA-CASE-NPO-13982-1] c 32 N79-14267
Self-calibrating threshold detector
[NASA-CASE-MSC-16370-1] c 35 N81-19427
Magnetic heading reference
[NASA-CASE-LAR-12638-1] c 44 N82-24716
Digital demodulator
[NASA-CASE-LAR-12658-1] c 33 N82-26570

DENDRITIC CRYSTALS

Method of increasing minority carrier lifetime in silicon web or the like
[NASA-CASE-NPO-15530-1] c 76 N83-35888

DENSIFICATION

Densification of porous refractory substrates — space shuttle orbiter tiles
[NASA-CASE-MSC-18737-1] c 24 N83-13171

DENSITOMETERS

Apparatus having coaxial capacitor structure for measuring fluid density Patent
[NASA-CASE-XLE-00143] c 14 N70-36618

Densitometer Patent
[NASA-CASE-XLE-00688] c 14 N70-41330
Ultrasonic bone densitometer
[NASA-CASE-MFS-20994-1] c 35 N75-12271

DENSITY (MASS/VOLUME)

A stable density-stratification solar pond
[NASA-CASE-NPO-15419-1] c 44 N81-27599
Non-toxic inert analog glass compositions of high modulus
[NASA-CASE-HQN-10328-2] c 27 N82-29454

DENSITY DISTRIBUTION

Apparatus for increasing ion engine beam density Patent
[NASA-CASE-XLE-00519] c 28 N70-41576
Method and apparatus for compensating reflection losses in a path length modulated absorption-absorption trace gas detector — for determining density of gas
[NASA-CASE-ARC-10631-1] c 74 N78-20958

DENSITY MEASUREMENT

Apparatus having coaxial capacitor structure for measuring fluid density Patent
[NASA-CASE-XLE-00143] c 14 N70-36618
Densitometer Patent
[NASA-CASE-XLE-00688] c 14 N70-41330
Determining particle density using known material Hugoniot curves
[NASA-CASE-LAR-11059-1] c 76 N75-12810
Selective image area control of X-ray film exposure density
[NASA-CASE-NPO-13808-1] c 35 N78-15461
Device for determining frost depth and density
[NASA-CASE-MFS-25754-1] c 31 N82-26503
Geodetic distance measuring apparatus
[NASA-CASE-GSC-12609-2] c 36 N83-29681

DENTISTRY

Process for the preparation of brushite crystals
[NASA-CASE-ERC-10338] c 04 N72-33072
Acoustic tooth cleaner
[NASA-CASE-LAR-12471-1] c 52 N82-29862

DEOXYGENATION

Electrocatalyst for oxygen reduction
[NASA-CASE-HQN-10537-1] c 06 N72-10138

DEPLOYMENT

Minimech self-deploying boom mechanism
[NASA-CASE-GSC-10566-1] c 15 N72-18477
Deployable solar cell array
[NASA-CASE-NPO-10883] c 31 N72-22874
Antenna deployment mechanism for use with a spacecraft — extensible and retractable telescopic antenna mast
[NASA-CASE-GSC-12331-1] c 18 N80-14183
High acceleration cable deployment system
[NASA-CASE-ARC-11256-1] c 15 N82-24272
Articulated joint for deployable structures
[NASA-CASE-NPO-16038-1] c 37 N83-20157
Sequentially deployable maneuverable tetrahedral beam
[NASA-CASE-LAR-13098-1] c 31 N83-35178

DEPOSITION

Means and methods of depositing thin films on substrates Patent
[NASA-CASE-XNP-00595] c 15 N70-34967
Monitoring deposition of films
[NASA-CASE-MFS-20675] c 26 N73-26751
Production of pure metals
[NASA-CASE-LEW-10906-1] c 25 N74-30502

DEPTH MEASUREMENT

Device for determining frost depth and density
[NASA-CASE-MFS-25754-1] c 31 N82-26503

DESCENT

Emergency descent device
[NASA-CASE-MFS-23074-1] c 54 N77-21844

DESIGN ANALYSIS

Airfoil shape for flight at subsonic speeds — design analysis and aerodynamic characteristics of the GAW-1 airfoil
[NASA-CASE-LAR-10585-1] c 02 N78-22154
Snap-in compressible biomedical electrode
[NASA-CASE-MSC-14623-1] c 52 N77-28717

DESTRUCTIVE TESTS

Aeroelastic instability stoppers for wind tunnel models
[NASA-CASE-LAR-12458-1] c 44 N83-21503

DESULFURIZING

Coal desulfurization process
[NASA-CASE-NPO-13937-1] c 44 N78-31527
Continuous coal processing method
[NASA-CASE-NPO-13758-2] c 31 N81-15154
Coal desulfurization — using iron pentacarbonyl
[NASA-CASE-NPO-14272-1] c 25 N81-33246
Crude oil desulfurization
[NASA-CASE-NPO-14542-1] c 25 N82-23282
Autocatalytic coal liquefaction process
[NASA-CASE-NPO-14878-2] c 28 N82-25394
Coal desulfurization by aqueous chlornation
[NASA-CASE-NPO-14902-1] c 25 N82-29371

Hydrodesulfurization of chlornized coal
[NASA-CASE-NPO-15304-1] c 25 N83-31743
Fluidized bed desulfurization
[NASA-CASE-NPO-15924-1] c 25 N83-36122

DETECTION

Heated element fluid flow sensor Patent
[NASA-CASE-MSC-12084-1] c 12 N71-17569
Leak detector Patent
[NASA-CASE-LAR-10323-1] c 12 N71-17573
Metallic intrusion detector system
[NASA-CASE-ARC-10265-1] c 10 N72-28240
Cosmic dust or other similar outer space particles impact location detector
[NASA-CASE-GSC-11291-1] c 25 N72-33696
Bacteria detection instrument and method
[NASA-CASE-GSC-11533-1] c 14 N73-13435
Short range laser obstacle detector — for surface vehicles using laser diode array
[NASA-CASE-NPO-11856-1] c 36 N74-15145
Vacuum leak detector
[NASA-CASE-LAR-11237-1] c 35 N75-19612
Photoelectric detection system — manufacturing automation
[NASA-CASE-MFS-23776-1] c 33 N82-28545
Apparatus and process for microbial detection and enumeration
[NASA-CASE-LAR-12709-1] c 35 N82-28604

DETECTORS

Pressurized cell micrometeoroid detector Patent
[NASA-CASE-XLA-00936] c 14 N71-14996
Detector panels-micrometeoroid impact Patent
[NASA-CASE-XLA-05906] c 31 N71-16221
Pulse activated polarographic hydrogen detector Patent
[NASA-CASE-XMF-06531] c 14 N71-17575
Light position locating system Patent
[NASA-CASE-XNP-01059] c 23 N71-21821
Method for detecting leaks in hermetically sealed containers Patent
[NASA-CASE-ERC-10045] c 15 N71-24910
Precipitation detector Patent
[NASA-CASE-XLA-02619] c 10 N71-26334
Hydrogen fire blink detector
[NASA-CASE-MFS-15063] c 14 N72-25412
Combustion detector
[NASA-CASE-LAR-10739-1] c 14 N73-16484
Multiple pass reimagining optical system
[NASA-CASE-ARC-10194-1] c 23 N73-20741
Meteoroid detector
[NASA-CASE-LAR-10483-1] c 14 N73-32327
Deployable pressurized cell structure for a micrometeoroid detector
[NASA-CASE-LAR-10295-1] c 35 N74-21062
Modulated hydrogen ion flame detector
[NASA-CASE-ARC-10322-1] c 35 N76-18403
Coal-rock interface detector
[NASA-CASE-MFS-23725-1] c 43 N79-31706

DETERGENTS

Anti-fog composition — for prevention of fogging on surfaces such as space helmet visors and windshields
[NASA-CASE-MSC-13530-2] c 23 N75-14834

DETONATION

Optically detonated explosive device
[NASA-CASE-NPO-11743-1] c 28 N74-27425

DETONATION WAVES

Continuous detonation reaction engine Patent
[NASA-CASE-XMF-06926] c 28 N71-22983

DEUTERIUM

Analysis of hydrogen-deuterium mixtures
[NASA-CASE-NPO-11322] c 06 N72-25146
Deuterium pass through target — neutron emitting target
[NASA-CASE-LEW-11866-1] c 72 N76-15860

DIAGNOSIS

Coupling apparatus for ultrasonic medical diagnostic system
[NASA-CASE-NPO-13935-1] c 52 N79-14751
Medical diagnosis system and method with multispectral imaging — depth of burns and optical density of the skin
[NASA-CASE-NPO-14402-1] c 52 N81-27783

DIAGRAMS

Phototransistor
[NASA-CASE-MFS-20407] c 09 N73-19235

DIALS

Magnetic heading reference
[NASA-CASE-LAR-12638-1] c 44 N82-24716

DIALYSIS

Dialysis system — using ion exchange resin membranes permeable to urea molecules
[NASA-CASE-NPO-14101-1] c 52 N80-14687

DIAMINES

Elastomeric silazane polymers and process for preparing the same Patent
[NASA-CASE-XMF-04133] c 06 N71-20717

Aromatic diamine-aromatic dialdehyde high molecular weight Schiff base polymers prepared in a monofunctional Schiff base Patent
[NASA-CASE-XMF-03074] c 06 N71-24740

Siloxane containing epoxide compounds
[NASA-CASE-MFS-13994-2] c 06 N72-25148

Preparation of polyimides from mixtures of monomeric diamines and esters of polycarboxylic acids
[NASA-CASE-LEW-11325-1] c 06 N73-27880

Mixed diamines for lower melting addition polyimide preparation and utilization
[NASA-CASE-LAR-12054-1] c 27 N79-33316

Method for preparing addition type polyimide prepreps
[NASA-CASE-LAR-12054-2] c 27 N81-14078

The 1 - (dialkoxyposphoryl)methyl -2,4- and -2,6-dinitro- and diamino benzenes and their derivatives
[NASA-CASE-ARC-11425-1] c 23 N83-28076

DIAMONDS

Apparatus for making diamonds
[NASA-CASE-MFS-20688] c 15 N72-20446

Process for making diamonds
[NASA-CASE-MFS-20688-2] c 15 N73-19457

Diamondlike flake composites — for use in aerospace structures and components
[NASA-CASE-LEW-13837-1] c 24 N83-28095

DIAPHRAGMS (MECHANICS)

Measuring device Patent
[NASA-CASE-XMS-01546] c 14 N70-40233

Reinforcing means for diaphragms Patent
[NASA-CASE-XNP-01962] c 32 N70-41370

Self-sealing, unbonded, rocket motor nozzle closure Patent
[NASA-CASE-XLA-02651] c 28 N70-41967

Means for controlling rupture of shock tube diaphragms Patent
[NASA-CASE-XAC-00731] c 11 N71-15960

Fast opening diaphragm Patent
[NASA-CASE-XLA-03680] c 15 N71-21060

Inertia diaphragm pressure transducer Patent
[NASA-CASE-XAC-02981] c 14 N71-21072

Convoluting device for forming convolutions and the like Patent
[NASA-CASE-XNP-05297] c 15 N71-23811

Differential pressure control
[NASA-CASE-MFS-14218] c 14 N73-13418

DIATOMIC GASES

Diatomic infrared gasdynamic laser — for producing different wavelengths
[NASA-CASE-ARC-10370-1] c 36 N75-31426

DICHROISM

Dichroic plate — as bandpass filters
[NASA-CASE-NPO-13506-1] c 35 N76-15435

Microwave dichroic plate
[NASA-CASE-GSC-12171-1] c 33 N79-28418

DICKE RADIOMETERS

Distributed-switch Dicke radiometers
[NASA-CASE-GSC-12219-1] c 35 N80-18359

DIELECTRIC PROPERTIES

Capacitive tank gaging apparatus being independent of liquid distribution
[NASA-CASE-MFS-21629] c 14 N72-22442

Fine particulate capture device
[NASA-CASE-LEW-11583-1] c 35 N79-17192

DIELECTRICS

Method for producing a solar cell having an integral protective covering
[NASA-CASE-XGS-04531] c 03 N89-24267

Temperature sensitive capacitor device
[NASA-CASE-XNP-09750] c 14 N69-39937

Space vehicle electrical system Patent
[NASA-CASE-XMF-00517] c 03 N70-34157

Nose cone mounted heat resistant antenna Patent
[NASA-CASE-XMS-04312] c 07 N71-22984

Broadband microwave waveguide window Patent
[NASA-CASE-XNP-08880] c 09 N71-24808

Laser machining apparatus Patent
[NASA-CASE-HQN-10541-2] c 15 N71-27135

Quasi-optical microwave component Patent
[NASA-CASE-ERC-10011] c 07 N71-29065

Method of manufacturing semiconductor devices using refractory dielectrics
[NASA-CASE-XER-08476-1] c 26 N72-17820

Screened circuit capacitors
[NASA-CASE-LAR-10294-1] c 26 N72-28762

Low loss dichroic plate
[NASA-CASE-NPO-13171-1] c 32 N74-11000

Electrostatic measurement system — for contact-electrifying a dielectric
[NASA-CASE-MFS-22129-1] c 33 N75-18477

Method and apparatus for measurement of trap density and energy distribution in dielectric films
[NASA-CASE-NPO-13443-1] c 76 N76-20994

Preparation of dielectric coating of variable dielectric constant by plasma polymerization
[NASA-CASE-ARC-10892-2] c 27 N79-14214

Dielectric-loaded waveguide circulator for cryogenically cooled and cascaded maser waveguide structures
[NASA-CASE-NPO-14254-1] c 36 N80-18372

DIES

Convoluting device for forming convolutions and the like Patent
[NASA-CASE-XNP-05297] c 15 N71-23811

Extrusion die for refractory metals Patent
[NASA-CASE-XLE-06773] c 15 N71-23817

Holding fixture for a hot stamping press
[NASA-CASE-GSC-12619-1] c 37 N81-16470

DIESEL ENGINES

Diesel engine catalytic combustor system — turbocharging
[NASA-CASE-LEW-12995-1] c 37 N80-26659

Apparatus and method for destructive removal of particles contained in a flowing fluid
[NASA-CASE-NPO-15426-1] c 45 N83-20447

DIETS

Reduction of blood serum cholesterol
[NASA-CASE-NPO-12119-1] c 52 N75-15270

DIFFERENTIAL AMPLIFIERS

Temperature compensated solid state differential amplifier Patent
[NASA-CASE-XAC-00435] c 09 N70-35440

Stepping motor control circuit Patent
[NASA-CASE-GSC-10366-1] c 10 N71-18772

Multi-channel temperature measurement amplification system — solar heating systems
[NASA-CASE-MFS-23775-1] c 44 N82-16474

DIFFERENTIAL INTERFEROMETRY

Gravimeter Patent
[NASA-CASE-XMF-05844] c 14 N71-17587

DIFFERENTIAL PRESSURE

Relief valve
[NASA-CASE-XMS-05894-1] c 15 N69-21924

Apparatus for ejection of an instrument cover
[NASA-CASE-XMF-04132] c 15 N69-27502

Differential sound level meter
[NASA-CASE-LAR-12106-1] c 71 N78-14867

Differential optoacoustic absorption detector
[NASA-CASE-NPO-13759-1] c 74 N78-17867

System for use in conducting wake investigation for a wing in flight — differential pressure measurements for drag investigations
[NASA-CASE-FRC-11024-1] c 02 N80-28300

DIFFERENTIATORS

Window comparator
[NASA-CASE-FRC-10090-1] c 33 N78-18308

DIFFRACTION

Optical mirror apparatus Patent
[NASA-CASE-ERC-10001] c 23 N71-24868

DIFFRACTION PATTERNS

Fringe counter for interferometers Patent
[NASA-CASE-LAR-10204-1] c 14 N71-27215

DIFFRACTOMETERS

Dual purpose optical instrument capable of simultaneously acting as spectrometer and diffractometer
[NASA-CASE-XNP-05231] c 14 N73-28491

DIFFUSE RADIATION

Transmitting and reflecting diffuser — using ultraviolet grade fused silica coatings
[NASA-CASE-LAR-10385-3] c 74 N78-15879

DIFFUSERS

Application of semiconductor diffusants to solar cells by screen printing
[NASA-CASE-LEW-12775-1] c 44 N79-11468

DIFFUSION

A method for selective gold diffusion of monolithic silicon devices and/or circuits Patent application
[NASA-CASE-ERC-10072] c 09 N70-11148

Metallic film diffusion for boundary lubrication Patent
[NASA-CASE-XLE-10337] c 15 N71-24046

Transmitting and reflecting diffuser — for ultraviolet light
[NASA-CASE-LAR-10385-2] c 70 N74-13436

DIFFUSION PUMPS

Trap for preventing diffusion pump backstreaming
[NASA-CASE-GSC-10518-1] c 15 N72-22489

Programmable physiological infusion
[NASA-CASE-ARC-10447-1] c 52 N74-22771

DIFFUSION WELDING

Thermal compression bonding of interconnectors
[NASA-CASE-GSC-10303] c 15 N72-22487

Bonding of reinforced Teflon to metals
[NASA-CASE-MFS-20482] c 15 N72-22492

Enhanced diffusion welding
[NASA-CASE-LEW-11388-1] c 15 N73-32358

Method of fluxless brazing and diffusion bonding of aluminum containing components
[NASA-CASE-MSC-14435-1] c 37 N76-18455

Superplastically formed diffusion bonded metallic structure
[NASA-CASE-FRC-11026-1] c 24 N82-24296

DIGITAL COMMAND SYSTEMS

Digitally controlled frequency synthesizer Patent
[NASA-CASE-XGS-02317] c 09 N71-23525

System for maintaining a motor at a predetermined speed utilizing digital feedback means Patent
[NASA-CASE-XMF-06892] c 09 N71-24805

Digital filter for reducing sampling jitter in digital control systems Patent
[NASA-CASE-NPO-11088] c 08 N71-29034

DIGITAL COMPUTERS

Disk pack cleaning table Patent Application
[NASA-CASE-LAR-10590-1] c 15 N70-26819

Binary number sorter Patent
[NASA-CASE-NPO-10112] c 08 N71-12502

Binary sequence detector Patent
[NASA-CASE-XNP-05415] c 08 N71-12505

Electronic checkout system for space vehicles Patent
[NASA-CASE-XKS-08012-2] c 31 N71-15566

Error correcting method and apparatus Patent
[NASA-CASE-XNP-02748] c 08 N71-22749

Serial digital decoder Patent
[NASA-CASE-NPO-10150] c 08 N71-24850

Digital memory sense amplifying means Patent
[NASA-CASE-NPO-01012] c 08 N71-28925

Redundant memory organization Patent
[NASA-CASE-GSC-10564] c 10 N71-29135

High speed direct binary to binary coded decimal converter and scaler
[NASA-CASE-KSC-10595] c 08 N73-12176

Fault tolerant clock apparatus utilizing a controlled minority of clock elements
[NASA-CASE-MSC-12531-1] c 35 N75-30504

Two-dimensional radiant energy array computers and computing devices
[NASA-CASE-GSC-11839-1] c 60 N77-14751

Memory device for two-dimensional radiant energy array computers
[NASA-CASE-GSC-11839-2] c 60 N78-10709

Environmental fog/rain visual display system for aircraft simulators
[NASA-CASE-ARC-11158-1] c 09 N82-24212

DIGITAL DATA

Phase-shift data transmission system having a pseudo-noise SYNC code modulated with the data in a single channel Patent
[NASA-CASE-XNP-00911] c 08 N70-41961

Tape guidance system and apparatus for the provision thereof Patent
[NASA-CASE-XNP-09453] c 08 N71-19420

Digital telemetry system Patent
[NASA-CASE-XGS-01812] c 07 N71-23001

Transient augmentation circuit for pulse amplifiers Patent
[NASA-CASE-XNP-01068] c 10 N71-28739

Transition tracking bit synchronization system
[NASA-CASE-NPO-10844] c 07 N72-20140

Digital control and information system
[NASA-CASE-NPO-11016] c 08 N72-31226

Digital plus analog output encoder
[NASA-CASE-GSC-12115-1] c 62 N76-31946

Digital data reformatter/deserializer
[NASA-CASE-NPO-13876-1] c 60 N79-20751

Heads up display
[NASA-CASE-LAR-12630-1] c 06 N82-29319

Memory-based parallel data output controller
[NASA-CASE-GSC-12447-2] c 17 N83-29302

DIGITAL FILTERS

Signal detection and tracking apparatus Patent
[NASA-CASE-XGS-03502] c 10 N71-20852

Digital filter for reducing sampling jitter in digital control systems Patent
[NASA-CASE-NPO-11088] c 08 N71-29034

Counting digital filters
[NASA-CASE-NPO-11821-1] c 08 N73-26175

Filtering device — removing electromagnetic noise from voice communication signals
[NASA-CASE-MFS-22729-1] c 32 N78-21366

DIGITAL INTEGRATORS

Digital automatic gain amplifier
[NASA-CASE-KSC-11008-1] c 33 N79-22373

DIGITAL RADAR SYSTEMS

Real-time multiple-look synthetic aperture radar processor for spacecraft applications
[NASA-CASE-NPO-14054-1] c 32 N82-12297

DIGITAL SPACECRAFT TELEVISION

Digital television camera control system Patent
[NASA-CASE-XNP-01472] c 14 N70-41807

DIGITAL SYSTEMS

Light sensitive digital aspect sensor Patent
[NASA-CASE-XGS-00359] c 14 N70-34158

Full binary adder Patent
[NASA-CASE-XGS-00689] c 08 N70-34767

Digital telemetry system Patent
[NASA-CASE-XGS-01812] c 07 N71-23001

Drive circuit utilizing two cores Patent
[NASA-CASE-XNP-01318] c 10 N71-23033

- Noninterruptable digital counting system Patent
[NASA-CASE-XNP-09759] c 08 N71-24891
- Digital memory in which the driving of each word location is controlled by a switch core Patent
[NASA-CASE-XNP-01466] c 10 N71-26434
- Digital quasi-exponential function generator
[NASA-CASE-NPO-11130] c 08 N72-20176
- Digital function generator
[NASA-CASE-NPO-11104] c 08 N72-22165
- Digital video display system using cathode ray tube
[NASA-CASE-NPO-11342] c 09 N72-25248
- Digital slope threshold data compressor
[NASA-CASE-NPO-11630] c 08 N72-33172
- Data processor with conditionally supplied clock signals
[NASA-CASE-GSC-10975-1] c 08 N73-13187
- Low phase noise digital frequency divider
[NASA-CASE-NPO-11569] c 10 N73-26229
- Pseudonoise (PN) synchronization of data system with derivation of clock frequency from received signal for clocking receiver PN generator
[NASA-CASE-XNP-03623] c 09 N73-28084
- Digital second-order phase-locked loop
[NASA-CASE-NPO-11905-1] c 33 N74-12887
- Digital controller for a Baum folding machine — providing automatic counting and machine shutoff
[NASA-CASE-LAR-10688-1] c 37 N74-21056
- Digital transmitter for data bus communications system
[NASA-CASE-MS-C-14558-1] c 32 N75-21486
- Automatic character skew and spacing checking network — of digital tape drive systems
[NASA-CASE-GSC-11925-1] c 33 N76-18353
- Anti-multipath digital signal detector
[NASA-CASE-LAR-11827-1] c 32 N77-10392
- Multiple rate digital command detection system with range clean-up capability
[NASA-CASE-NPO-13753-1] c 32 N77-20289
- Open loop digital frequency multiplier
[NASA-CASE-MS-C-12709-1] c 33 N77-24375
- Bit error rate measurement above and below bit rate tracking threshold
[NASA-CASE-MS-C-12743-1] c 32 N79-10263
- Apparatus and method for stabilized phase detection for binary signal tracking loops
[NASA-CASE-MS-C-16461-1] c 33 N79-11313
- Digital demodulator-correlator
[NASA-CASE-NPO-13982-1] c 32 N79-14267
- Memory-based frame synchronizer — for digital communication systems
[NASA-CASE-GSC-12430-1] c 60 N82-16747
- Digital demodulator
[NASA-CASE-LAR-12659-1] c 33 N82-26570
- Random digital encryption secure communication system
[NASA-CASE-MS-C-16462-1] c 32 N82-31583
- Error correction method and apparatus for electronic timepieces
[NASA-CASE-LAR-12654-1] c 33 N83-36357
- DIGITAL TECHNIQUES**
- Digital frequency discriminator Patent
[NASA-CASE-MFS-14322] c 08 N71-18692
- Exclusive-Or digital logic module Patent
[NASA-CASE-XLA-07732] c 08 N71-18751
- Horizon sensor with a plurality of fixedly positioned radiation compensated radiation sensitive detectors Patent
[NASA-CASE-XNP-06957] c 14 N71-21088
- Digital cardiometer system Patent
[NASA-CASE-XMS-02399] c 05 N71-22896
- Digital synchronizer Patent
[NASA-CASE-NPO-10851] c 07 N71-24613
- Fringe counter for interferometers Patent
[NASA-CASE-LAR-10204] c 14 N71-27215
- Rate data encoder
[NASA-CASE-LAR-10128-1] c 08 N73-20217
- Digital communication system
[NASA-CASE-MS-C-13912-1] c 32 N74-30524
- Digital phase-locked loop
[NASA-CASE-GSC-11623-1] c 33 N75-25040
- Digital numerically controlled oscillator
[NASA-CASE-MS-C-16747-1] c 33 N81-17349
- Random digital encryption secure communication system
[NASA-CASE-MS-C-16462-1] c 32 N82-31583
- DIGITAL TO ANALOG CONVERTERS**
- Rate augmented digital to analog converter Patent
[NASA-CASE-XLA-07828] c 08 N71-27057
- Buffered analog converter
[NASA-CASE-KSC-10397] c 08 N72-25206
- Digital to analog conversion apparatus
[NASA-CASE-MS-C-12458-1] c 08 N73-32081
- Smoothing filter for digital to analog conversion
[NASA-CASE-FRC-11025-1] c 33 N82-24417
- Digital control of diode laser for atmospheric spectroscopy
[NASA-CASE-NPO-16000-1] c 36 N83-24842
- Memory-based parallel data output controller
[NASA-CASE-GSC-12447-2] c 17 N83-29302
- DIGITAL TRANSDUCERS**
- Digital to analog conversion apparatus
[NASA-CASE-MS-C-12458-1] c 08 N73-32081
- Angle detector
[NASA-CASE-ARC-11036-1] c 35 N78-32395
- DIISOCYANATES**
- Polyurethanes of fluorine containing polycarbonates
[NASA-CASE-MFS-10512] c 06 N73-30099
- Polyurethanes from fluoroalkyl propyleneglycol polyethers
[NASA-CASE-MFS-10506] c 06 N73-30100
- Fluorine containing polyurethane
[NASA-CASE-MFS-10509] c 06 N73-30103
- DIMENSIONAL MEASUREMENT**
- Cervix-to-rectum measuring device in a radiation applicator for use in the treatment of cervical cancer
[NASA-CASE-GSC-12081-2] c 52 N82-22875
- DIMENSIONS**
- Projection system for display of parallax and perspective
[NASA-CASE-MFS-23194-1] c 35 N78-17357
- DIODES**
- Diode and protection fuse unit Patent
[NASA-CASE-KXS-03381] c 09 N71-22796
- Protection of serially connected solar cells against open circuits by the use of shunting diode Patent
[NASA-CASE-XLE-04535] c 03 N71-23354
- Shielded cathode mode bulk effect devices
[NASA-CASE-ERC-10119] c 26 N72-21701
- Fast response low power drain logic circuits
[NASA-CASE-GSC-10878-1] c 10 N72-22236
- Method and apparatus for detecting surface ions on silicon diodes and transistors
[NASA-CASE-ERC-10325] c 15 N72-25457
- Temperature compensated light source using a light emitting diode
[NASA-CASE-ARC-10467-1] c 09 N73-14214
- Wide temperature range electronic device with lead attachment
[NASA-CASE-ERC-10224-2] c 09 N73-27150
- High isolation RF signal selection switches
[NASA-CASE-NPO-13081-1] c 33 N74-22814
- Logarithmic circuit with wide dynamic range
[NASA-CASE-GSC-12145-1] c 33 N78-32339
- Regulated high efficiency, lightweight capacitor-diode multiplier dc to dc converter
[NASA-CASE-LEW-12791-1] c 33 N78-32341
- Thermal compensator for closed-cycle helium refrigerator — assuring constant temperature for an infrared laser diode
[NASA-CASE-GSC-12168-1] c 31 N79-17029
- Arrangement for damping the resonance in a laser diode
[NASA-CASE-NPO-15980-1] c 36 N82-28618
- DIPOLE ANTENNAS**
- Circularly polarized antenna
[NASA-CASE-ERC-10214] c 09 N72-31235
- Cavity-backed, micro-strip dipole antenna array
[NASA-CASE-MS-C-18606-1] c 32 N82-11336
- DIRECT CURRENT**
- Regulated dc to dc converter
[NASA-CASE-XGS-03429] c 03 N69-21330
- Bus voltage compensation circuit for controlling direct current motor
[NASA-CASE-XMS-04215-1] c 09 N69-39987
- Thermionic diode switch Patent
[NASA-CASE-NPO-10404] c 03 N71-12255
- A dc-coupled noninverting one-shot Patent
[NASA-CASE-XNP-09450] c 10 N71-18723
- Stepping motor control circuit Patent
[NASA-CASE-GSC-10366-1] c 10 N71-18772
- Frequency control network for a current feedback oscillator Patent
[NASA-CASE-GSC-10041-1] c 10 N71-19418
- Self-repeating plasma generator having communicating annular and linear arc discharge passages Patent
[NASA-CASE-XLA-03103] c 25 N71-21693
- Positive dc to positive dc converter Patent
[NASA-CASE-XMF-14301] c 09 N71-23188
- Positive dc to negative dc converter Patent
[NASA-CASE-XMF-08217] c 03 N71-23239
- Blood pressure measuring system for separating and separately recording dc signal and an ac signal Patent
[NASA-CASE-MFS-06061] c 05 N71-23317
- Radio frequency coaxial high pass filter Patent
[NASA-CASE-XGS-01418] c 09 N71-23573
- Brushless direct current tachometer Patent
[NASA-CASE-MFS-20385] c 09 N71-24904
- Inverter with means for base current shaping for sweeping charge carriers from base region Patent
[NASA-CASE-XGS-06226] c 10 N71-25950
- Dual polarity full wave dc motor drive Patent
[NASA-CASE-XNP-07477] c 09 N71-26092
- A dc motor speed control system Patent
[NASA-CASE-MFS-14610] c 09 N71-28886
- Cyclic switch Patent
[NASA-CASE-LEW-10155-1] c 09 N71-29035
- Load-insensitive electrical device
[NASA-CASE-XER-11046] c 09 N72-22203
- A dc to ac to dc converter having transistor synchronous rectifiers
[NASA-CASE-GSC-11126-1] c 09 N72-25253
- Electric motive machine including magnetic bearing
[NASA-CASE-XGS-07805] c 15 N72-33476
- Powerplexer
[NASA-CASE-MS-C-12396-1] c 03 N73-31988
- Bio-isolated dc operational amplifier — for bioelectric measurements
[NASA-CASE-ARC-10596-1] c 33 N74-21851
- Load insensitive electrical device — power converters for supplying direct current at one voltage from a source at another voltage
[NASA-CASE-XER-11046-2] c 33 N74-22864
- Differential pulse code modulation
[NASA-CASE-MS-C-12506-1] c 32 N77-12239
- Three phase full wave dc motor decoder
[NASA-CASE-GSC-11824-1] c 33 N77-26386
- Time domain phase measuring apparatus
[NASA-CASE-GSC-12228-1] c 33 N79-10338
- Direct current transformer
[NASA-CASE-MFS-23659-1] c 33 N79-17133
- Elimination of current spikes in buck power converters
[NASA-CASE-NPO-14505-1] c 33 N81-19393
- Controller for computer control of brushless dc motors — automobile engines
[NASA-CASE-NPO-13970-1] c 33 N81-20352
- Direct current ballast circuit for metal halide lamp
[NASA-CASE-MS-C-18407-1] c 33 N82-24427
- Simplified dc to dc converter
[NASA-CASE-LEW-13495-1] c 33 N82-24432
- DIRECT LIFT CONTROLS**
- Velocity vector control system augmented with direct lift control
[NASA-CASE-LAR-12268-1] c 08 N81-24106
- DIRECT POWER GENERATORS**
- Energy conversion apparatus Patent
[NASA-CASE-XLE-00212] c 03 N70-34134
- Thermal pump-compressor for space use Patent
[NASA-CASE-XLA-00377] c 33 N71-17610
- Positive dc to negative dc converter Patent
[NASA-CASE-XMF-08217] c 03 N71-23239
- Unsaturating saturable core transformer Patent
[NASA-CASE-ERC-10125] c 09 N71-24893
- Load insensitive electrical device — power converters for supplying direct current at one voltage from a source at another voltage
[NASA-CASE-XER-11046-2] c 33 N74-22864
- DIRECTIONAL ANTENNAS**
- Mechanical coordinate converter Patent
[NASA-CASE-XNP-00614] c 14 N70-36907
- Weatherproof helix antenna Patent
[NASA-CASE-KXS-08485] c 07 N71-19493
- Tracking antenna system Patent
[NASA-CASE-GSC-10553-1] c 07 N71-19854
- Reversible motion drive system Patent
[NASA-CASE-NPO-10173] c 15 N71-24696
- Variable beamwidth antenna — with multiple beam, variable feed system
[NASA-CASE-GSC-11862-1] c 32 N76-18295
- Suspension system for a wheel rolling on a flat track — bearings for directional antennas
[NASA-CASE-NPO-14395-1] c 37 N82-21587
- DIRECTIONAL CONTROL**
- Gimbaled, partially submerged rocket nozzle Patent
[NASA-CASE-XMF-01544] c 28 N70-34162
- Omnidirectional wheel
[NASA-CASE-MFS-21309-1] c 37 N74-18125
- Velocity vector control system augmented with direct lift control
[NASA-CASE-LAR-12268-1] c 08 N81-24106
- DIRECTIONAL SOLIDIFICATION (CRYSTALS)**
- Preparation of monotelect alloys having a controlled microstructure by directional solidification under dopant-induced interface breakdown
[NASA-CASE-MFS-23816-1] c 26 N80-23419
- Reusable thermal cycling clamp — holders for directional solidification experiments
[NASA-CASE-LAR-12868-1] c 27 N82-18390
- DIRECTIONAL STABILITY**
- Nose gear steering system for vehicle with main skids Patent
[NASA-CASE-XLA-01804] c 02 N70-34160
- System for imposing directional stability on a rocket-propelled vehicle
[NASA-CASE-MFS-21311-1] c 20 N76-21275

DIRECTIVITY

Multiprism collimator
[NASA-CASE-GSC-12608-1] c 74 N83-10900

DISCONNECT DEVICES

Gas actuated bolt disconnect Patent
[NASA-CASE-XLA-00326] c 03 N70-34667

Umbilical disconnect Patent
[NASA-CASE-XLA-00711] c 03 N71-12258

Remote controlled tubular disconnect Patent
[NASA-CASE-XLA-01396] c 03 N71-12259

Quick release connector Patent
[NASA-CASE-XLA-01141] c 15 N71-13789

Split nut separation system Patent
[NASA-CASE-XNP-06914] c 15 N71-21489

Separation simulator Patent
[NASA-CASE-XKS-04631] c 10 N71-23663

Duct coupling for single-handed operation Patent
[NASA-CASE-MFS-20395] c 15 N71-24903

Breakaway connector
[NASA-CASE-NPO-11140] c 15 N72-17455

Torsional disconnect unit
[NASA-CASE-NPO-10704] c 15 N72-20445

Frangible link
[NASA-CASE-MSC-11849-1] c 15 N72-22488

Quick disconnect coupling
[NASA-CASE-NPO-11202] c 15 N72-25450

Quick disconnect filter coupling
[NASA-CASE-MFS-22323-1] c 37 N76-14463

Positive isolation disconnect
[NASA-CASE-MSC-16043-1] c 37 N79-11402

Slide release mechanism --- for the external tank
[NASA-CASE-MSC-20080-1] c 37 N82-31688

DISCONTINUITY

Strain coupled servo control system Patent
[NASA-CASE-XLA-08530] c 32 N71-25360

DISCRIMINATORS

Phase detector assembly Patent
[NASA-CASE-XMF-00701] c 09 N70-40272

Difference circuit Patent
[NASA-CASE-XNP-08274] c 10 N71-13537

Digital frequency discriminator Patent
[NASA-CASE-MFS-14322] c 08 N71-18692

Comparator for the comparison of two binary numbers Patent
[NASA-CASE-XNP-04819] c 08 N71-23295

Diode-quad bridge circuit means
[NASA-CASE-ARC-10364-3] c 33 N75-19520

Diode-quad bridge circuit means
[NASA-CASE-ARC-10364-2] c 33 N75-25041

Discriminator aided phase lock acquisition for suppressed carrier signals
[NASA-CASE-NPO-14311-1] c 33 N82-29539

DISINTEGRATION

Apparatus for disintegrating kidney stones
[NASA-CASE-GSC-12652-1] c 52 N82-26961

DISPENSERS

Liquid aerosol dispenser
[NASA-CASE-MFS-20829] c 12 N72-21310

Potable water dispenser
[NASA-CASE-MFS-21115-1] c 54 N74-12779

Lyophilized spore dispenser
[NASA-CASE-LAR-10544-1] c 37 N74-13178

Metering gun for dispensing precisely measured charges of fluid
[NASA-CASE-MFS-21163-1] c 54 N74-17853

Automatic fluid dispenser
[NASA-CASE-ARC-10820-1] c 35 N78-19466

Self-charging metering and dispensing device for fluids
[NASA-CASE-MSC-20275-1] c 35 N83-17856

DISPERSING

Shock tube powder dispersing apparatus Patent
[NASA-CASE-XLE-04946] c 17 N71-24911

Powder fed sheared dispersal particle generator
[NASA-CASE-LAR-12785-1] c 34 N82-24448

DISPERSIONS

Preparation of alkali metal dispersions
[NASA-CASE-XNP-08876] c 17 N73-28573

DISPLACEMENT

Bimetallic fluid displacement apparatus --- for stirring and heating stored gases and liquids
[NASA-CASE-ARC-10441-1] c 35 N74-15126

DISPLACEMENT MEASUREMENT

Null-type vacuum microbalance Patent
[NASA-CASE-XAC-00472] c 15 N70-40180

Self-calibrating displacement transducer Patent
[NASA-CASE-XLA-00781] c 09 N71-22999

Angular displacement indicating gas bearing support system Patent
[NASA-CASE-XLA-09346] c 15 N71-28740

Apparatus for remote measurement of displacement of marks on a specimen undergoing a tensile test
[NASA-CASE-NPO-10778] c 14 N72-11364

Miniature muscle displacement transducer
[NASA-CASE-NPO-13519-1] c 33 N76-19338

Simultaneous muscle force and displacement transducer
[NASA-CASE-NPO-14212-1] c 52 N80-27072

DISPLAY DEVICES

Integrated time shared instrumentation display Patent
[NASA-CASE-XLA-01952] c 08 N71-12507

Energy management system for glider type vehicle Patent
[NASA-CASE-XFR-00756] c 02 N71-13421

Fluidic-thermochromic display device Patent
[NASA-CASE-ERC-10031] c 12 N71-18603

Display for binary characters Patent
[NASA-CASE-XGS-04987] c 08 N71-20571

Optical projector system Patent
[NASA-CASE-XNP-03853] c 23 N71-21882

Optical monitor panel Patent
[NASA-CASE-XKS-03509] c 14 N71-23175

BOD to decimal decoder Patent
[NASA-CASE-XKS-06167] c 08 N71-24890

Noninterruptible digital counting system Patent
[NASA-CASE-XNP-09759] c 08 N71-24891

Analog signal integration and reconstruction system Patent
[NASA-CASE-NPO-10344] c 10 N71-26544

Plasma fluidic hybrid display Patent
[NASA-CASE-ERC-10100] c 09 N71-33519

System for quantizing graphic displays
[NASA-CASE-NPO-10745] c 08 N72-22164

Digital video display system using cathode ray tube
[NASA-CASE-NPO-11342] c 09 N72-25248

Scientific experiment flexible mount
[NASA-CASE-MSC-12372-1] c 31 N72-25842

Display system
[NASA-CASE-ERC-10350] c 14 N73-20474

Transparent switchboard
[NASA-CASE-MSC-13746-1] c 10 N73-32143

Recorder/processor apparatus --- for optical data processing
[NASA-CASE-GSC-11553-1] c 35 N74-15831

Rotating raster generator
[NASA-CASE-FRC-10071-1] c 32 N74-20813

G-load measuring and indicator apparatus --- for aircraft
[NASA-CASE-ARC-10806] c 06 N74-27872

X-Y alphanumeric character generator for oscilloscopes
[NASA-CASE-GSC-11582-1] c 33 N75-19517

Binocular device for displaying numerical information in field of view
[NASA-CASE-LAR-11782-1] c 74 N77-20882

Particle parameter analyzing system --- x-y plotter circuits and display
[NASA-CASE-XLE-06094] c 33 N78-17293

Projection system for display of parallax and perspective
[NASA-CASE-MFS-23194-1] c 35 N78-17357

Full color hybrid display for aircraft simulators --- landing aids
[NASA-CASE-ARC-10903-1] c 09 N78-18083

Chromatically corrected virtual image display --- lens design for flight simulators
[NASA-CASE-LAR-12251-1] c 74 N79-14892

Miniature implantable ultrasonic echosonometer
[NASA-CASE-ARC-11035-1] c 52 N79-18580

System and method for obtaining wide screen Schlieren photographs
[NASA-CASE-NPO-14174-1] c 74 N79-20856

Chromatically corrected virtual image visual display --- reducing eye strain in flight simulators
[NASA-CASE-LAR-12251-1] c 74 N80-27185

System for a displaying at a remote station data generated at a central station and for powering the remote station from the central station
[NASA-CASE-GSC-12411-1] c 33 N81-14221

Real-time 3D X-ray and gamma-ray viewer
[NASA-CASE-GSC-12640-1] c 74 N82-10862

System for providing an integrated display of instantaneous information relative to aircraft attitude, heading, altitude, and horizontal situation
[NASA-CASE-FRC-11005-1] c 06 N82-16075

Environmental fog/rain visual display system for aircraft simulators
[NASA-CASE-ARC-11158-1] c 09 N82-24212

Synchronized voltage contrast display analysis system
[NASA-CASE-NPO-14567-1] c 33 N83-18996

DISSIPATION

Voltage regulator with plural parallel power source sections Patent
[NASA-CASE-GSC-10891-1] c 10 N71-26626

DISSOCIATION

Solar hydrogen generator
[NASA-CASE-LAR-11361-1] c 44 N77-22607

DISSOLVING

Zero gravity liquid mixer
[NASA-CASE-LAR-10195-1] c 15 N73-19458

DISTANCE

Optical distance measuring instrument
[NASA-CASE-12761-1] c 74 N83-13982

DISTANCE MEASURING EQUIPMENT

Binary coded sequential acquisition ranging system
[NASA-CASE-NPO-11194] c 08 N72-25209

Determining distance to lightning strokes from a single station
[NASA-CASE-KSC-10698] c 07 N73-20175

Terminal guidance sensor system --- space shuttle coupling to orbiting satellites
[NASA-CASE-NPO-14521-1] c 37 N81-27519

Rotary target v-block --- wind tunnel apparatus
[NASA-CASE-LAR-12007-3] c 74 N83-25542

Geodetic distance measuring apparatus
[NASA-CASE-GSC-12609-2] c 36 N83-29681

DISTILLATION

Process for producing tris (N-methylamino) methylsilane
[NASA-CASE-MFS-25721-1] c 25 N83-25811

DISTILLATION EQUIPMENT

Compact solar still Patent
[NASA-CASE-XMS-04533] c 15 N71-23088

Method and apparatus for distillation of liquids Patent
[NASA-CASE-XNP-08124] c 15 N71-27184

Method for distillation of liquids
[NASA-CASE-XNP-08124-2] c 06 N73-13129

DISTRIBUTED AMPLIFIERS

Cascaded complementary pair broadband transistor amplifiers Patent
[NASA-CASE-NPO-10003] c 10 N71-26415

DISTRIBUTED PROCESSING

Distributed multiport memory architecture
[NASA-CASE-NPO-15342-1] c 60 N83-32342

DISTRIBUTION (PROPERTY)

Method and apparatus for mapping the distribution of chemical elements in an extended medium
[NASA-CASE-GSC-12808-1] c 45 N83-20446

Thermionic energy converters
[NASA-CASE-LEW-12443-1] c 44 N83-32175

DISTRIBUTORS

High voltage distributor
[NASA-CASE-GSC-11849-1] c 33 N76-16332

DIVERGENT NOZZLES

Jet exhaust noise suppressor
[NASA-CASE-LEW-11286-1] c 07 N74-27490

DIVERTERS

Flow diverter valve and flow diversion method
[NASA-CASE-HQN-00573-1] c 37 N79-33468

DIVIDERS

A synchronous binary array divider
[NASA-CASE-ERC-10180-1] c 60 N74-20836

DOCUMENT STORAGE

File card marker Patent
[NASA-CASE-XLA-02705] c 08 N71-15908

DOORS

Emergency escape system Patent
[NASA-CASE-MSC-12086-1] c 05 N71-12345

CAM controlled retractable door latch
[NASA-CASE-MSC-20304-1] c 37 N82-31690

DOPPLER EFFECT

Doppler frequency spread correction device for multiplex transmissions
[NASA-CASE-XGS-02749] c 07 N69-39978

Laser Doppler system for measuring three dimensional vector velocity Patent
[NASA-CASE-MFS-20386] c 21 N71-19212

Doppler compensation by shifting transmitted object frequency within limits
[NASA-CASE-GSC-10087-4] c 07 N73-20174

Doppler shift system --- system for measuring velocities of radiating particles
[NASA-CASE-HQN-10740-1] c 72 N74-19310

Method and apparatus for Doppler frequency modulation of radiation
[NASA-CASE-NPO-14524-1] c 32 N80-24510

An electro-optical Doppler tracker means and method for optical correlation of synthetic aperture radar data
[NASA-CASE-NPO-14998-1] c 33 N81-15194

Method and apparatus for Delta K synthetic aperture radar measurement of ocean current
[NASA-CASE-NPO-15704-1] c 32 N82-28502

Servomechanism for Doppler shift compensation in optical correlator for synthetic aperture radar
[NASA-CASE-NPO-14998-1] c 32 N83-18975

DOPPLER RADAR

Cooperative Doppler radar system Patent
[NASA-CASE-LAR-10403] c 21 N71-11766

Doppler radar having phase modulation of both transmitted and reflected return signals --- ranging/finding
[NASA-CASE-MSC-18675-1] c 32 N81-29312

DOSIMETERS

Dosimeter for high levels of absorbed radiation Patent
[NASA-CASE-XLA-03645] c 14 N71-20430

Miniature spectrally selective dosimeter
[NASA-CASE-LAR-12469-1] c 35 N83-21311

DRAG CHUTES
Flexible wing deployment device Patent
[NASA-CASE-XLA-01220] c 02 N70-41863
Lightweight, variable solidity knitted parachute fabric —
for aerodynamic decelerators
[NASA-CASE-LAR-10778-1] c 02 N74-10034

DRAG MEASUREMENT
Air frame drag balance Patent
[NASA-CASE-XLA-00113] c 14 N70-33386
Minimum induced drag airfoil body Patent
[NASA-CASE-XLA-00755] c 01 N71-13410
Minimum induced drag airfoil body Patent
[NASA-CASE-XLA-05828] c 01 N71-13411
Impact energy absorber Patent
[NASA-CASE-XLA-01530] c 14 N71-23092
System for use in conducting wake investigation for a
wing in flight — differential pressure measurements for
drag investigations
[NASA-CASE-FRC-11024-1] c 02 N80-28300
Skin friction measuring device for aircraft
[NASA-CASE-FRC-11029-1] c 06 N81-17057

DRAG REDUCTION
Propeller blade loading control Patent
[NASA-CASE-XAC-00139] c 02 N70-34856
Aircraft wheel spray drag alleviator Patent
[NASA-CASE-XLA-01583] c 02 N70-36825
Improved method for driving two-phase turbines with
enhanced efficiency
[NASA-CASE-NPO-15037-1] c 37 N80-26660
Leading edge vortex flaps for drag reduction — during
subsonic flight
[NASA-CASE-LAR-12750-1] c 02 N81-19016
Low-drag ground vehicle particularly suited for use in
safely transporting livestock
[NASA-CASE-FRC-11058-1] c 85 N82-33288

DRIFT (INSTRUMENTATION)
Amplifier drift tester
[NASA-CASE-XMS-05562-1] c 09 N69-39986
Radiation direction detector including means for
compensating for photocell aging Patent
[NASA-CASE-XLA-00183] c 14 N70-40239
Failure detection and control means for improved drift
performance of a gimbaled platform system
[NASA-CASE-MFS-23551-1] c 04 N76-26175

DRILL BITS
Sample collecting impact bit Patent
[NASA-CASE-XNP-01412] c 15 N70-42034
Hole cutter — drill bits and rotating shaft
[NASA-CASE-MFS-22649-1] c 37 N75-25186

DRILLING
Method for milling and drilling glass
[NASA-CASE-GSC-12636-1] c 31 N83-27058

DRILLS
Rock drill for recovering samples
[NASA-CASE-XNP-07478] c 14 N69-21923
Soil penetrometer
[NASA-CASE-XNP-05530] c 14 N73-32321

DRIVES
Transistor drive regulator Patent
[NASA-CASE-LEW-10233] c 10 N71-27126

DROP TOWERS
Method of forming frozen spheres in a force-free drop
tower
[NASA-CASE-NPO-14845-1] c 27 N82-28442
Sphere forming method and apparatus
[NASA-CASE-NPO-15070-1] c 31 N83-35176
Tower evaporator
[NASA-CASE-NPO-15609-1] c 25 N83-38119

DROPS (LIQUIDS)
Droplet monitoring probe
[NASA-CASE-NPO-10985] c 14 N73-20478
Tower evaporator
[NASA-CASE-NPO-15609-1] c 25 N83-38119

DRUGS
Automated analysis of oxidative metabolites
[NASA-CASE-ARC-10469-1] c 25 N75-12086

DRYING
Drying apparatus for photographic sheet material
[NASA-CASE-GSC-11074-1] c 14 N73-28489
Instrumentation for sensing moisture content of material
using a transient thermal pulse
[NASA-CASE-NPO-15494-1] c 35 N82-25484

DRYING APPARATUS
Gas purged dry box glove Patent
[NASA-CASE-XLE-02531] c 05 N71-23080

DUCTED FANS
Cam-operated pitch-change apparatus
[NASA-CASE-LEW-13050-1] c 07 N79-14095

DUCTILITY
Composite seal for turbomachinery
[NASA-CASE-LEW-12131-3] c 37 N82-19540

DUCTS
Duct coupling for single-handed operation Patent
[NASA-CASE-MFS-20395] c 15 N71-24903

Externally supported internally stabilized flexible duct
joint
[NASA-CASE-MFS-19194-1] c 37 N76-14460
Apparatus for supplying conditioned air at a substantially
constant temperature and humidity
[NASA-CASE-GSC-12191-1] c 31 N80-32583

DURABILITY
Belt for transmitting power from a cogged driving
member to a cogged driven member
[NASA-CASE-GSC-12289-1] c 37 N80-32717

DUST COLLECTORS
Disk pack cleaning table Patent Application
[NASA-CASE-LAR-10590-1] c 15 N70-26819

DYE LASERS
Infrared tunable laser
[NASA-CASE-ARC-10463-1] c 09 N73-32111
Laser head for simultaneous optical pumping of several
dye lasers — with single flash lamp
[NASA-CASE-LAR-11341-1] c 36 N75-19655

DYES
Dye penetrant for surfaces subsequently contacted by
liquid oxygen Patent
[NASA-CASE-XMF-02221] c 18 N71-27170
Method for retarding dye fading during archival storage
of developed color photographic film — inert
atmosphere
[NASA-CASE-MFS-23250-1] c 35 N82-11432

DYNAMIC CHARACTERISTICS
Dynamic sensor Patent
[NASA-CASE-XAC-02877] c 14 N70-41681
Alignment apparatus using a laser having a
gravitationally sensitive cavity reflector
[NASA-CASE-ARC-10444-1] c 16 N73-33397
Apparatus for and method of compensating dynamic
unbalance
[NASA-CASE-GSC-12550-1] c 37 N81-22358

DYNAMIC CONTROL
Motion restraining device
[NASA-CASE-NPO-13619-1] c 37 N78-16369
System for controlled acoustic rotation of objects
[NASA-CASE-NPO-15522-1] c 71 N83-32516

DYNAMIC LOADS
Multilogged support system Patent
[NASA-CASE-XLA-01326] c 11 N71-21481
Tension measurement device Patent
[NASA-CASE-XMS-04545] c 15 N71-22878
Impact monitoring apparatus
[NASA-CASE-MSC-15626-1] c 14 N72-25411

DYNAMIC MODULUS OF ELASTICITY
Apparatus for positioning and loading a test specimen
Patent
[NASA-CASE-XLE-01300] c 15 N70-41993

DYNAMIC RESPONSE
Impact simulator Patent
[NASA-CASE-XLA-00493] c 11 N70-34786
Instrument for measuring the dynamic behavior of liquids
Patent
[NASA-CASE-XLA-05541] c 12 N71-26387
Response analyzers for sensors Patent
[NASA-CASE-MFS-11204] c 14 N71-29134
Cam-operated pitch-change apparatus
[NASA-CASE-LEW-13050-1] c 07 N79-14095

DYNAMIC STRUCTURAL ANALYSIS
Method and apparatus for measuring the damping
characteristics of a structure
[NASA-CASE-ARC-10154-1] c 14 N72-22440

DYNAMIC TESTS
Support apparatus for dynamic testing Patent
[NASA-CASE-XMF-01772] c 11 N70-41677
Hydraulic support for dynamic testing Patent
[NASA-CASE-XMF-03248] c 11 N71-10604

DYNAMOMETERS
Thrust dynamometer Patent
[NASA-CASE-XLE-00702] c 14 N70-40203
Thrust dynamometer Patent
[NASA-CASE-XLE-05260] c 14 N71-20429

E

EAR
Method and apparatus for continuously monitoring blood
oxygenation, blood pressure, pulse rate and the pressure
pulse curve utilizing an ear oximeter as transducer
Patent
[NASA-CASE-XAC-05422] c 04 N71-23185

EARTH ATMOSPHERE
Ablation sensor Patent
[NASA-CASE-XLA-01791] c 14 N71-22991

EARTH CRUST
Seismic vibration source
[NASA-CASE-NPO-14112-1] c 46 N79-22679

EARTH OBSERVATIONS (FROM SPACE)
Optical system
[NASA-CASE-NPO-15801-1] c 74 N83-25541

EARTH ORBITS
High temperature furnace for melting materials in
space
[NASA-CASE-MFS-20710] c 11 N72-23215
A method of delivering a vehicle to earth orbit and
returning the reusable portion thereof to earth
[NASA-CASE-MSC-12391] c 30 N73-12884

EARTH TERMINALS
Method for terminal position determination in Earth
terminal-to-satellite burst acquisition and synchronization
[NASA-CASE-LEW-13893-1] c 32 N83-30832

ECCENTRICS
Hot gas engine with dual crankshafts
[NASA-CASE-NPO-14221-1] c 37 N81-25370

ECHELETTE GRATINGS
Cooled echelle grating spectrometer — for space
telescope applications
[NASA-CASE-NPO-14372-1] c 35 N80-26635

ECHOES
Miniature implantable ultrasonic echosonometer
[NASA-CASE-ARC-11035-1] c 52 N79-18580
Echo tracker/range finder for radars and sonars
[NASA-CASE-NPO-14361-1] c 32 N82-23376

EDDY CURRENTS
Apparatus and method for inspecting a bearing ball —
eddy current inspection technique
[NASA-CASE-MFS-25833-1] c 35 N83-21316

EDGES
Method of forming a sharp edge on an optical device
[NASA-CASE-GSC-12348-1] c 74 N80-24149

EFFICIENCY
Recovery of radiation damaged solar cells through
thermal annealing
[NASA-CASE-XGS-04047-2] c 03 N72-11062
High efficiency multifrequency feed
[NASA-CASE-GSC-11909] c 32 N74-20863

EFFLUENTS
Vortex generator for controlling the dispersion of
effluents in a flowing liquid
[NASA-CASE-LAR-12045-1] c 34 N77-24423
Fluid sample collection and distribution system —
qualitative analysis of aqueous samples from several
points
[NASA-CASE-MSC-16841-1] c 34 N79-24285

EGRESS
Explosively activated egress area
[NASA-CASE-LAR-12624-1] c 01 N83-35992

EJECTION
Apparatus for ejection of an instrument cover
[NASA-CASE-XMF-04132] c 15 N69-27502

EJECTION SEATS
Device for separating occupant from an ejection seat
Patent
[NASA-CASE-XMS-04625] c 05 N71-20718

EJECTORS
Ejection unit Patent
[NASA-CASE-XNP-00676] c 15 N70-38996
Device for separating occupant from an ejection seat
Patent
[NASA-CASE-XMS-04625] c 05 N71-20718
Latch/ejector unit Patent
[NASA-CASE-XLA-03538] c 15 N71-24897
Diffuser/ejector system for a very high vacuum
environment
[NASA-CASE-MFS-15791-1] c 37 N82-33712

ELASTIC BODIES
Belleville spring assembly with elastic guides
[NASA-CASE-XNP-09452] c 15 N69-27504
Means for suppressing or attenuating bending motion
of elastic bodies Patent
[NASA-CASE-XAC-05632] c 32 N71-23971
Device for measuring tensile forces
[NASA-CASE-MFS-21728-1] c 35 N74-27865

ELASTIC DEFORMATION
Instrument for measuring torsional creep and recovery
Patent
[NASA-CASE-XLE-01481] c 14 N71-10781
Means for suppressing or attenuating bending motion
of elastic bodies Patent
[NASA-CASE-XAC-05632] c 32 N71-23971

ELASTIC MEDIA
Miniature vibration isolator Patent
[NASA-CASE-XLA-01019] c 15 N70-40156

ELASTIC PROPERTIES
Elastic universal joint Patent
[NASA-CASE-XNP-00416] c 15 N70-36947
Deformable vehicle wheel Patent
[NASA-CASE-MFS-20400] c 31 N71-18611
Threadless fastener apparatus Patent
[NASA-CASE-XFR-05302] c 15 N71-23254
Highly fluorinated polyurethanes
[NASA-CASE-NPO-10767-1] c 06 N73-33076
Meter for use in detecting tension in straps having
predetermined elastic characteristics
[NASA-CASE-MFS-22189-1] c 35 N75-19615

ELASTIC SHEETS

Method for forming plastic materials Patent
[NASA-CASE-XMS-05518] c 15 N71-17803

ELASTOMERS

Metal valve pin with encapsulated elastomeric body
Patent
[NASA-CASE-MSC-12118-1] c 15 N71-17648

Extensometer Patent
[NASA-CASE-XMF-04680] c 15 N71-19489

Elastomeric silazane polymers and process for preparing the same Patent
[NASA-CASE-XMF-04133] c 06 N71-20717

Bonded elastomeric seal for electrochemical cells
Patent
[NASA-CASE-XGS-02631] c 03 N71-23006

Conductive elastomeric extensometer
[NASA-CASE-MFS-21049-1] c 52 N74-27864

Vacuum pressure molding technique
[NASA-CASE-LAR-10073-1] c 37 N76-24575

Method of making hollow elastomeric bodies
[NASA-CASE-NPO-13137-1] c 37 N78-31524

Process for spinning flame retardant elastomeric compositions — fabricating synthetic fibers for high oxygen environments
[NASA-CASE-MSC-14331-3] c 27 N78-32262

Curable liquid hydrocarbon prepolymers containing hydroxyl groups and process for producing same
[NASA-CASE-NPO-13137-1] c 27 N80-32514

Prepolymer dianhydrides
[NASA-CASE-NPO-13899-1] c 27 N80-32515

Viscoelastic cationic polymers containing the urethane linkage
[NASA-CASE-NPO-10830-1] c 27 N81-15104

Process for the preparation of fluorine containing crosslinked elastomeric polytriazine and product so produced
[NASA-CASE-ARC-11248-1] c 27 N81-17259

The 1,2,4-oxadiazole elastomers — heat resistant polymers
[NASA-CASE-ARC-11253-1] c 27 N81-17262

Bifunctional monomers having terminal oxime and cyano or amide groups
[NASA-CASE-ARC-11253-3] c 27 N81-24256

Circumferential shaft seal
[NASA-CASE-LEW-12119-2] c 37 N81-26447

Heat sealable, flame and abrasion resistant coated fabric — clothing and containers for space exploration
[NASA-CASE-MSC-18382-1] c 27 N82-16238

Preparation of crosslinked 1,2,4-oxadiazole polymer
[NASA-CASE-ARC-11253-2] c 27 N82-24338

Method of bonding plasticized elastomer to metal and articles produced thereby
[NASA-CASE-MFS-25181-1] c 27 N82-24340

Improved process for preparing perfluorotriazine elastomers and precursors thereof
[NASA-CASE-ARC-11402-1] c 27 N82-26462

Elastomer-modified phosphorus-containing imide resins
[NASA-CASE-ARC-11400-1] c 27 N83-14276

Elastomer toughened polyimide adhesives
[NASA-CASE-LAR-12775-1] c 27 N83-28240

ELECTRIC ARCS

Electric-arc heater Patent
[NASA-CASE-XLA-00330] c 33 N70-34540

Electric arc welding Patent
[NASA-CASE-XMF-00392] c 15 N70-34814

Electric arc driven wind tunnel Patent
[NASA-CASE-XMF-00411] c 11 N70-36913

Electric arc device for heating gases Patent
[NASA-CASE-XAC-00319] c 25 N70-41628

Electric arc apparatus Patent
[NASA-CASE-XAC-01677] c 09 N71-20816

Arc electrode of graphite with ball tip Patent
[NASA-CASE-XLE-04788] c 09 N71-22987

High powered arc electrodes — producing solar simulator radiation
[NASA-CASE-LEW-11162-1] c 33 N74-12913

Electric arc light source having undercut recessed anode
[NASA-CASE-ARC-10266-1] c 33 N75-29318

ELECTRIC BATTERIES

Spacecraft battery seals
[NASA-CASE-XGS-03864] c 15 N89-24320

Sealed battery gas manifold construction Patent
[NASA-CASE-XNP-03378] c 03 N71-11051

Method and apparatus for battery charge control Patent
[NASA-CASE-XGS-05432] c 03 N71-19438

Coulometer and third electrode battery charging circuit Patent
[NASA-CASE-GSC-10487-1] c 03 N71-24719

Heat activated cell Patent
[NASA-CASE-LEW-11359] c 03 N71-28579

Synchronous orbit battery cycler
[NASA-CASE-GSC-11211-1] c 03 N72-25020

Storage battery comprising negative plates of a wedge shaped configuration — for preventing shape change induced malfunctions
[NASA-CASE-NPO-11806-1] c 44 N74-19693

Battery testing device — for testing cells of multiple-cell battery
[NASA-CASE-MFS-20761-1] c 44 N74-27519

Rapid activation and checkout device for batteries
[NASA-CASE-MFS-22749-1] c 44 N76-14601

Zinc-halide battery with molten electrolyte
[NASA-CASE-NPO-11961-1] c 44 N76-18643

Lead-oxygen dc power supply system having a closed loop oxygen and water system
[NASA-CASE-MFS-23059-1] c 44 N76-27664

Voltage regulator for battery power source — using a bipolar transistor
[NASA-CASE-FRC-10116-1] c 33 N79-23345

In-situ cross linking of polyvinyl alcohol — application to battery separator films
[NASA-CASE-LEW-13135-2] c 27 N81-24257

State-of-charge coulometer
[NASA-CASE-NPO-15759-1] c 35 N82-26630

Pulsed excitation voltage circuit for transducers
[NASA-CASE-FRC-10038] c 09 N72-22200

Infinite range electronics gain control circuit
[NASA-CASE-GSC-10786-1] c 10 N72-28241

Diode-quad bridge circuit means
[NASA-CASE-ARC-10364-2] c 33 N75-25041

Germanium coated microbridge and method
[NASA-CASE-MFS-23274-1] c 33 N78-13320

Power converter
[NASA-CASE-FRC-11014-1] c 33 N82-18494

Split-cross-bridge-resistor for testing for proper fabrication of integrated circuit
[NASA-CASE-NPO-16021-1] c 33 N83-24769

Connector strips-positive, negative and T tabs
[NASA-CASE-XGS-01395] c 03 N69-21539

Heat activated cell with alkali anode and alkali salt electrolyte Patent
[NASA-CASE-LEW-11358] c 03 N71-26084

Ion-exchange membrane with platinum electrode assembly Patent
[NASA-CASE-XMS-02063] c 03 N71-29044

Method and device for determining battery state of charge Patent
[NASA-CASE-NPO-10194] c 03 N71-20407

Automatic battery charger Patent
[NASA-CASE-XNP-04758] c 03 N71-24605

State-of-charge coulometers
[NASA-CASE-NPO-15759-1] c 35 N82-26630

Monostable multivibrator
[NASA-CASE-GSC-10082-1] c 10 N72-20221

Transformer regulated self-stabilizing chopper
[NASA-CASE-XGS-09188] c 33 N78-17295

Broadband choke for antenna structure
[NASA-CASE-XMS-05303] c 07 N69-27462

A brushless dc tachometer
[NASA-CASE-NPO-15706-1] c 35 N82-26633

Electrode and insulator with shielded dielectric junction
[NASA-CASE-XLE-03778] c 09 N69-21542

Solar cell matrix Patent
[NASA-CASE-NPO-10821] c 03 N71-19545

Electrical switching device Patent
[NASA-CASE-NPO-10037] c 09 N71-19610

Flexible conductive disc electrode Patent
[NASA-CASE-FRC-10029] c 09 N71-24618

Electrical insulating layer process
[NASA-CASE-LEW-10489-1] c 15 N72-25447

Injector for use in high voltage isolators for liquid feed lines
[NASA-CASE-NPO-11377] c 15 N73-27406

Solar cell grid patterns
[NASA-CASE-NPO-13087-2] c 44 N76-31668

Velocity measurement system
[NASA-CASE-MFS-23363-1] c 35 N78-32398

Shielded conductor cable system
[NASA-CASE-MSC-12745-1] c 33 N81-27397

Trace water sensor
[NASA-CASE-NPO-15722-1] c 35 N83-20084

Connector - Electrical
[NASA-CASE-XLA-01288] c 09 N69-21470

Test fixture for pellet-like electrical elements
[NASA-CASE-XNP-06032] c 09 N69-21926

Coupling device
[NASA-CASE-XMS-07846-1] c 09 N69-21927

Electrical feed-through connection for printed circuit boards and printed cable
[NASA-CASE-XMF-01483] c 14 N69-27431

Electrical connector pin with wiping action
[NASA-CASE-XMF-04238] c 09 N69-39734

Electrical connector Patent Application
[NASA-CASE-MFS-14741] c 09 N70-20737

Electrical connector for flat cables Patent
[NASA-CASE-XMF-00324] c 09 N70-34596

Printed cable connector Patent
[NASA-CASE-XMF-00369] c 09 N70-36494

Printed circuit board with bellows rivet connection Patent
[NASA-CASE-XNP-05082] c 15 N70-41960

Method of making a molded connector Patent
[NASA-CASE-XMF-03498] c 15 N71-15988

Coaxial cable connector Patent
[NASA-CASE-XNP-04732] c 09 N71-20851

Connector internal force gauge Patent
[NASA-CASE-XNP-03918] c 14 N71-23087

Protection of serially connected solar cells against open circuits by the use of shunting diode Patent
[NASA-CASE-XLE-04535] c 03 N71-23354

Microelectronic module package Patent
[NASA-CASE-XMS-02182] c 10 N71-28783

Breakaway connector
[NASA-CASE-NPO-11140] c 15 N72-17455

Electrical connector
[NASA-CASE-NPO-10694] c 09 N72-20200

Radio frequency filter device
[NASA-CASE-XLA-02609] c 09 N72-25256

Use of unilluminated solar cells as shunt diodes for a solar array
[NASA-CASE-GSC-10344-1] c 03 N72-27053

Electrical connector
[NASA-CASE-MFS-20757] c 09 N72-28225

Device for configuring multiple leads — method for connecting electric leads to printed circuit board
[NASA-CASE-MFS-22133-1] c 33 N74-26977

Connector — for connecting circuits on different layers of multilayer printed circuit boards
[NASA-CASE-LAR-11709-1] c 37 N76-27567

Percutaneous connector device
[NASA-CASE-KSC-10849-1] c 52 N77-14738

Magnetic electrical connectors for biomedical percutaneous implants
[NASA-CASE-KSC-11030-1] c 52 N77-25772

Electrical self-aligning connector
[NASA-CASE-MFS-25211-1] c 33 N80-32651

Decommutator patchboard verifier
[NASA-CASE-KSC-11065-1] c 33 N81-26359

Coupling an induction motor type generator to a-c power lines
[NASA-CASE-MFS-25302-2] c 33 N83-24768

Electrical self-aligning connector
[NASA-CASE-MFS-25211-2] c 33 N83-29592

Solid state switch
[NASA-CASE-XNP-09228] c 09 N69-27500

Deflective rod switch with elastic support and sealing means Patent
[NASA-CASE-XNP-09808] c 09 N71-12518

Method of making electrical contact on silicon solar cell and resultant product Patent
[NASA-CASE-XLE-04787] c 03 N71-20492

Continuous turning slip ring assembly Patent
[NASA-CASE-XMF-01049] c 15 N71-23049

Electrical connector
[NASA-CASE-MFS-20757] c 09 N72-28225

Electrostatic measurement system — for contact-electrifying a dielectric
[NASA-CASE-MFS-22129-1] c 33 N75-18477

Process for preparing liquid metal electrical contact device
[NASA-CASE-LEW-11978-1] c 33 N77-26385

Non-contacting power transfer device
[NASA-CASE-GSC-12595-1] c 33 N82-24422

Solar cell having improved back surface reflector
[NASA-CASE-LEW-13820-1] c 44 N83-13579

Increasing efficiency of switching type regulator circuits Patent
[NASA-CASE-XMS-09352] c 09 N71-23316

Energy saving electrical motor control system
[NASA-CASE-MFS-25560-1] c 33 N82-30472

Didymium hydrate additive to nickel hydroxide electrodes Patent
[NASA-CASE-XGS-03505] c 03 N71-10608

Electrical load protection device Patent
[NASA-CASE-MSC-12135-1] c 09 N71-12526

Micro current measuring device using plural logarithmic response heated filamentary type diodes Patent
[NASA-CASE-XNP-00384] c 09 N71-13530

Connector internal force gauge Patent
[NASA-CASE-XNP-03918] c 14 N71-23087

Pulse modulator providing fast rise and fall times Patent
[NASA-CASE-XMS-04918] c 09 N71-23270

- Polarity sensitive circuit Patent
[NASA-CASE-XNP-00952] c 10 N71-23271
- Protection of serially connected solar cells against open circuits by the use of shunting diode Patent
[NASA-CASE-XLE-04535] c 03 N71-23354
- Color television systems using a single gun color cathode ray tube Patent
[NASA-CASE-ERC-10098] c 09 N71-28618
- Current dependent filter inductance
[NASA-CASE-ERC-10139] c 09 N72-17154
- High voltage transistor amplifier with constant current load
[NASA-CASE-NPO-11023] c 09 N72-17155
- Current steering commutator
[NASA-CASE-NPO-10743] c 08 N72-21199
- Saturation current protection apparatus for saturable core transformers
[NASA-CASE-ERC-10075-2] c 09 N72-22196
- Thermal to electrical power conversion system with solid-state switches with Seebeck effect compensation
[NASA-CASE-NPO-11388] c 03 N72-23048
- Load current sensor for a series pulse width modulated power supply
[NASA-CASE-GSC-10656-1] c 09 N72-25249
- Method and apparatus for limiting field emission current
[NASA-CASE-ERC-10015-2] c 10 N72-27246
- Deposition apparatus
[NASA-CASE-LAR-10541-1] c 15 N72-32487
- Lightning current measuring systems
[NASA-CASE-KSC-10807-1] c 33 N75-26246
- Overload protection system for power inverter
[NASA-CASE-NPO-13872-1] c 33 N78-10377
- Shunt regulation electric power system
[NASA-CASE-GSC-10135] c 33 N78-17296
- Lightning current waveform measuring system
[NASA-CASE-KSC-11018-1] c 33 N79-10337
- Electroexplosive device
[NASA-CASE-NPO-13858-1] c 28 N79-11231
- Remote lightning monitor system
[NASA-CASE-KSC-11031-1] c 33 N79-11315
- Lightning current detector
[NASA-CASE-KSC-11057-1] c 33 N79-14305
- Driver for solar cell I-V characteristic plots
[NASA-CASE-NPO-14096-1] c 44 N80-18551
- Electrical power generating system --- for windpowered generation
[NASA-CASE-MFS-24368-3] c 33 N81-22280
- ELECTRIC DISCHARGES**
- Electrical discharge apparatus for forming Patent
[NASA-CASE-XMF-00375] c 15 N70-34249
- High voltage pulse generator Patent
[NASA-CASE-MSC-12178-1] c 09 N71-13518
- Pulse generating circuit employing switch means on ends of delay line for alternately charging and discharging same Patent
[NASA-CASE-XNP-00745] c 10 N71-28960
- Rapidly pulsed, high intensity, incoherent light source
[NASA-CASE-XLE-2529-3] c 33 N74-20859
- Voltage feed through apparatus having reduced partial discharge
[NASA-CASE-GSC-12347-1] c 33 N80-18286
- ELECTRIC ENERGY STORAGE**
- Apparatus for measuring current flow Patent
[NASA-CASE-XGS-02439] c 14 N71-19431
- Lead-oxygen dc power supply system having a closed loop oxygen and water system
[NASA-CASE-MFS-23059-1] c 44 N76-27664
- Electrically rechargeable REDOX flow cell
[NASA-CASE-LEW-12220-1] c 44 N77-14581
- Gels as battery separators for soluble electrode cells
[NASA-CASE-LEW-12364-1] c 44 N77-22606
- Electrochemical cell for rebalancing REDOX flow system
[NASA-CASE-LEW-13150-1] c 44 N79-26474
- Toroidal cell and battery --- storage battery for high amp-hour load applications
[NASA-CASE-LEW-12918-1] c 44 N81-24521
- ELECTRIC EQUIPMENT**
- Ac power amplifier Patent Application
[NASA-CASE-LAR-10218-1] c 09 N70-34559
- Generator for a space power system Patent
[NASA-CASE-XLE-04250] c 09 N71-20446
- High impedance measuring apparatus Patent
[NASA-CASE-XMS-08589-1] c 09 N71-20569
- Regulated power supply Patent
[NASA-CASE-XMS-01991] c 09 N71-21449
- Method for improving the signal-to-noise ratio of the Wheatstone bridge type bolometer Patent
[NASA-CASE-XLA-02810] c 14 N71-25901
- Buck boost voltage regulation circuit Patent
[NASA-CASE-GSC-10735-1] c 10 N71-26085
- Electronically resettable fuse Patent
[NASA-CASE-XGS-11177] c 09 N71-27001
- Voltage regulator Patent
[NASA-CASE-ERC-10113] c 09 N71-27053
- Digital pulse width selection circuit Patent
[NASA-CASE-XLA-07788] c 09 N71-29139
- Solar energy powered heliostropes
[NASA-CASE-GSC-10945-1] c 21 N72-31637
- Temperature compensated light source using a light emitting diode
[NASA-CASE-ARC-10467-1] c 09 N73-14214
- Hermetically sealed semiconductor
[NASA-CASE-GSC-10791-1] c 15 N73-14469
- Overvoltage protection network
[NASA-CASE-ARC-10197-1] c 33 N74-17929
- Sprag solenoid brake --- development and operations of electrically controlled brake
[NASA-CASE-MFS-21846-1] c 37 N74-26976
- Shock absorbing mount for electrical components
[NASA-CASE-NPO-13253-1] c 37 N75-18573
- Self-regulating proportionally controlled heating apparatus and technique
[NASA-CASE-GSC-11752-1] c 77 N75-20140
- ELECTRIC EQUIPMENT TESTS**
- Test fixture for pellet-like electrical elements
[NASA-CASE-XNP-06032] c 09 N69-21926
- Pulse amplitude and width detector Patent
[NASA-CASE-XMF-06519] c 09 N71-12519
- High power-high voltage waterload Patent
[NASA-CASE-XNP-05381] c 09 N71-20842
- ELECTRIC FIELD STRENGTH**
- Apparatus for field strength measurement of a space vehicle Patent
[NASA-CASE-XLE-00820] c 14 N71-16014
- Apparatus for measuring electric field strength on the surface of a model vehicle Patent
[NASA-CASE-XLE-02038] c 09 N71-16086
- Floating two force component measuring device Patent
[NASA-CASE-XAC-04885] c 14 N71-23790
- Apparatus for determining the deflection of an electron beam impinging on a target Patent
[NASA-CASE-XMF-06617] c 09 N71-24843
- ELECTRIC FIELDS**
- Minimum induced drag airfoil body Patent
[NASA-CASE-XLA-00755] c 01 N71-13410
- Minimum induced drag airfoil body Patent
[NASA-CASE-XLA-05828] c 01 N71-13411
- Instrument for measuring potentials on two dimensional electric field plots Patent
[NASA-CASE-XLA-08493] c 10 N71-19421
- Electron beam instrument for measuring electric fields Patent
[NASA-CASE-XMF-10289] c 14 N71-23699
- Field ionization electrodes Patent
[NASA-CASE-ERC-10013] c 09 N71-26678
- Determining distance to lightning strokes from a single station
[NASA-CASE-KSC-10698] c 07 N73-20175
- Rocket borne instrument to measure electric fields inside electrified clouds
[NASA-CASE-KSC-10730-1] c 14 N73-32318
- Electric field measuring and display system --- for cloud formations
[NASA-CASE-KSC-10731-1] c 33 N74-27862
- Lightning discharge identification system
[NASA-CASE-KSC-11099-1] c 47 N82-24779
- ELECTRIC FILTERS**
- Static inverters which sum a plurality of waves Patent
[NASA-CASE-XMF-00663] c 08 N71-18752
- Remodulator filter Patent
[NASA-CASE-NPO-10198] c 09 N71-24806
- RC networks and amplifiers employing the same
[NASA-CASE-XAC-05462-2] c 10 N72-17171
- Multiloop RC active filter apparatus having low parameter sensitivity with low amplifier gain
[NASA-CASE-ARC-10192] c 09 N72-21245
- Radio frequency filter device
[NASA-CASE-XLA-02609] c 09 N72-25256
- Filter for third order phase locked loops
[NASA-CASE-NPO-11941-1] c 10 N73-27171
- ELECTRIC FUSES**
- Electrical load protection device Patent
[NASA-CASE-MSC-12135-1] c 09 N71-12526
- Diode and protection fuse unit Patent
[NASA-CASE-XKS-03381] c 09 N71-22796
- Fused switch
[NASA-CASE-XMS-01244-1] c 33 N79-33393
- ELECTRIC GENERATORS**
- Regulated dc to dc converter
[NASA-CASE-XGS-03429] c 03 N69-21330
- Generator for a space power system Patent
[NASA-CASE-XLE-04250] c 09 N71-20446
- Solid state pulse generator with constant output width, for variable input width, in nanosecond range Patent
[NASA-CASE-XGS-03427] c 10 N71-23029
- Continuous turning slip ring assembly Patent
[NASA-CASE-XMF-01049] c 15 N71-23049
- Positive dc to positive dc converter Patent
[NASA-CASE-XMF-14301] c 09 N71-23188
- High temperature ferromagnetic cobalt-base alloy Patent
[NASA-CASE-XLE-03629] c 17 N71-23248
- Variable width pulse integrator Patent
[NASA-CASE-XLA-03356] c 10 N71-23315
- Power system with heat pipe liquid coolant lines Patent
[NASA-CASE-MFS-14114-2] c 09 N71-24807
- RC rate generator for slow speed measurement Patent
[NASA-CASE-XMF-02966] c 10 N71-24863
- Pulse width inverter Patent
[NASA-CASE-MFS-10068] c 10 N71-25139
- Multiple varactor frequency doubler Patent
[NASA-CASE-XMF-04958-1] c 10 N71-26414
- Failure sensing and protection circuit for converter networks Patent
[NASA-CASE-GSC-10114-1] c 10 N71-27366
- Power system with heat pipe liquid coolant lines Patent
[NASA-CASE-MFS-14114] c 33 N71-27862
- Load-insensitive electrical device
[NASA-CASE-XER-11046] c 09 N72-22203
- Controllable load insensitive power converters
[NASA-CASE-ERC-10268] c 09 N72-25252
- A dc to ac to dc converter having transistor synchronous rectifiers
[NASA-CASE-GSC-11126-1] c 09 N72-25253
- Electromagnetic wave energy converter
[NASA-CASE-GSC-11394-1] c 09 N73-32109
- Heat operated cryogenic electrical generator
[NASA-CASE-NPO-13303-1] c 20 N75-24837
- Electric power generation system directory from laser power
[NASA-CASE-NPO-13308-1] c 36 N75-30524
- Smoke generator
[NASA-CASE-ARC-10905-1] c 37 N77-13418
- Electro-mechanical sine/cosine generator
[NASA-CASE-LAR-11389-1] c 33 N77-26387
- Wind wheel electric power generator
[NASA-CASE-MFS-23515-1] c 44 N80-21828
- Natural turbulence electrical power generator --- using wave action or random motion
[NASA-CASE-LAR-11551-1] c 44 N80-29834
- Electrical power generating system --- for windpowered generation
[NASA-CASE-MFS-24368-3] c 33 N81-22280
- Linear magnetic motor/generator --- to generate electric energy using magnetic flux for spacecraft power supply
[NASA-CASE-GSC-12518-1] c 33 N82-24421
- Electrical power generating system
[NASA-CASE-MFS-25302-1] c 33 N83-28319
- ELECTRIC IGNITION**
- Method of making a solid propellant rocket motor Patent
[NASA-CASE-XLA-04126] c 28 N71-26779
- ELECTRIC MOTOR VEHICLES**
- Automotive absorption air conditioner utilizing solar and motor waste heat
[NASA-CASE-NPO-15183-1] c 44 N82-26776
- ELECTRIC MOTORS**
- Bus voltage compensation circuit for controlling direct current motor
[NASA-CASE-XMS-04215-1] c 09 N69-39987
- Electronic motor control system Patent
[NASA-CASE-XMF-01129] c 09 N70-38712
- Electronic beam switching commutator Patent
[NASA-CASE-XGS-01451] c 09 N71-10677
- Regenerative braking system Patent
[NASA-CASE-XMF-01096] c 10 N71-16030
- Angular position and velocity sensing apparatus Patent
[NASA-CASE-XGS-05680] c 14 N71-17585
- Reversible current control apparatus Patent
[NASA-CASE-XLA-09371] c 10 N71-18724
- Stepping motor control circuit Patent
[NASA-CASE-GSC-10366-1] c 10 N71-18772
- Detent servo motor Patent
[NASA-CASE-XNP-06936] c 15 N71-24695
- Transistor servo system including a unique differential amplifier circuit Patent
[NASA-CASE-XMF-05195] c 10 N71-24861
- Velocity limiting safety system Patent
[NASA-CASE-XLA-07473] c 15 N71-24895
- Direct current motor with stationary armature and field Patent
[NASA-CASE-XGS-05290] c 09 N71-25999
- Dual polarity full wave dc motor drive Patent
[NASA-CASE-XNP-07477] c 09 N71-26092
- Control apparatus for applying pulses of selectively predetermined duration to a sequence of loads Patent
[NASA-CASE-XGS-04224] c 10 N71-26418
- A dc motor speed control system Patent
[NASA-CASE-MFS-14610] c 09 N71-28886

- Optimal control system for an electric motor driven vehicle
[NASA-CASE-NPO-11210] c 11 N72-20244
- Electric motive machine including magnetic bearing
[NASA-CASE-XGS-07805] c 15 N72-33476
- Redundant speed control for brushless Hall effect motor
[NASA-CASE-MFS-20207-1] c 09 N73-32107
- Three phase full wave dc motor decoder
[NASA-CASE-GSC-11824-1] c 33 N77-26386
- Rotary electric device
[NASA-CASE-GSC-12138-1] c 33 N79-20314
- Controller for computer control of brushless dc motors --- automobile engines
[NASA-CASE-NPO-13970-1] c 33 N81-20352
- A simplified power factor controller with increased energy saving circuit
[NASA-CASE-MFS-25323-1] c 33 N82-12349
- Linear magnetic motor/generator --- to generate electric energy using magnetic flux for spacecraft power supply
[NASA-CASE-GSC-12518-1] c 33 N82-24421
- Energy saving electrical motor control system
[NASA-CASE-MFS-25560-1] c 33 N82-30472
- Power control for ac motor
[NASA-CASE-MFS-25862] c 33 N83-28329
- ELECTRIC NETWORKS**
Condition and condition duration indicator Patent
[NASA-CASE-XMF-01097] c 10 N71-18058
- Solid state pulse generator with constant output width, for variable input width, in nanosecond range Patent
[NASA-CASE-XGS-03427] c 10 N71-23029
- Increasing efficiency of switching type regulator circuits Patent
[NASA-CASE-XMS-09352] c 09 N71-23316
- Broadband frequency discriminator Patent
[NASA-CASE-NPO-10096] c 07 N71-24583
- Test apparatus for locating shorts during assembly of electrical buses
[NASA-CASE-ARC-11116-1] c 33 N82-24420
- ELECTRIC POTENTIAL**
Method and apparatus for battery charge control Patent
[NASA-CASE-XGS-05432] c 03 N71-19438
- Positive dc to positive dc converter Patent
[NASA-CASE-XMF-14301] c 09 N71-23188
- Variable width pulse integrator Patent
[NASA-CASE-XLA-03356] c 10 N71-23315
- Voltage dropout sensor Patent
[NASA-CASE-KSC-10020] c 10 N71-27338
- Automated equipotential plotter
[NASA-CASE-NPO-11134] c 09 N72-21246
- Pulsed excitation voltage circuit for transducers
[NASA-CASE-FRC-10036] c 09 N72-22200
- Load-insensitive electrical device
[NASA-CASE-XER-11046] c 09 N72-22203
- Continuously variable voltage controlled phase shifter
[NASA-CASE-NPO-11129] c 09 N72-33204
- Photoelectron spectrometer with means for stabilizing sample surface potential
[NASA-CASE-NPO-13772-1] c 35 N78-10429
- Microcomputerized electric field meter diagnostic and calibration system
[NASA-CASE-KSC-11035-1] c 35 N78-28411
- Driver for solar cell I-V characteristic plots
[NASA-CASE-NPO-14086-1] c 44 N80-18551
- Microwave integrated circuit for Josephson voltage standards
[NASA-CASE-MFS-23845-1] c 33 N81-17348
- Epitaxial thinning process
[NASA-CASE-NPO-15788-1] c 25 N82-26397
- Method for determining the point of zero zeta potential of semiconductor materials
[NASA-CASE-LAR-12893-1] c 33 N82-26573
- Closed loop electrostatic system
[NASA-CASE-NPO-15553-1] c 33 N83-12335
- Phase detector for three-phase power factor controller
[NASA-CASE-MFS-25854-1] c 33 N83-17804
- Synchronized voltage contrast display analysis system
[NASA-CASE-NPO-14567-1] c 33 N83-18996
- Method for detecting coliform organisms
[NASA-CASE-ARC-11322-1] c 51 N83-28849
- ELECTRIC POWER**
Switching circuit employing regeneratively connected complementary transistors Patent
[NASA-CASE-XNP-02654] c 10 N70-42032
- High power-high voltage waterload Patent
[NASA-CASE-XNP-05381] c 09 N71-20842
- Power factor control system for AC induction motors
[NASA-CASE-MFS-23280-1] c 33 N78-10378
- Shunt regulation electric power system
[NASA-CASE-GSC-10135] c 33 N78-17296
- Electrical power generating system --- for windpowered generation
[NASA-CASE-MFS-24368-3] c 33 N81-22280
- ELECTRIC POWER PLANTS**
Ocean thermal plant
[NASA-CASE-KSC-11034-1] c 44 N78-32542
- ELECTRIC POWER SUPPLIES**
Current dependent filter inductance
[NASA-CASE-ERC-10139] c 09 N72-17154
- Thermal to electrical power conversion system with solid-state switches with Seebeck effect compensation
[NASA-CASE-NPO-11388] c 03 N72-23048
- Parasitic suppressing circuit
[NASA-CASE-ERC-10403-1] c 10 N73-26228
- Powerplexer
[NASA-CASE-MSC-12396-1] c 03 N73-31988
- Inherent redundancy electric heater
[NASA-CASE-MFS-21462-1] c 33 N74-14935
- Temperature compensated current source
[NASA-CASE-MSC-11235] c 33 N78-17294
- High voltage power supply
[NASA-CASE-GSC-12818-1] c 33 N83-29594
- ELECTRIC POWER TRANSMISSION**
Magnetic power switch Patent
[NASA-CASE-NPO-10242] c 09 N71-24803
- Failure sensing and protection circuit for converter networks Patent
[NASA-CASE-GSC-10114-1] c 10 N71-27366
- Powerplexer
[NASA-CASE-MSC-12396-1] c 03 N73-31988
- Microwave power transmission system wherein level of transmitted power is controlled by reflections from receiver
[NASA-CASE-MFS-21470-1] c 44 N74-19870
- Electrical rotary joint apparatus for large space structures
[NASA-CASE-MFS-23981-1] c 07 N83-20944
- ELECTRIC PROPULSION**
Electric propulsion engine test chamber Patent
[NASA-CASE-XLE-00252] c 11 N70-34844
- ELECTRIC PULSES**
Pulse counting circuit which simultaneously indicates the occurrence of the nth pulse Patent
[NASA-CASE-XMF-00906] c 09 N70-41655
- Variable pulse width multiplier Patent
[NASA-CASE-XLA-02850] c 09 N71-20447
- Phonocardiograph transducer Patent
[NASA-CASE-XMS-05365] c 14 N71-22993
- Solid state pulse generator with constant output width, for variable input width, in nanosecond range Patent
[NASA-CASE-XGS-03427] c 10 N71-23029
- Variable width pulse integrator Patent
[NASA-CASE-XLA-03356] c 10 N71-23315
- Pulse rise time and amplitude detector Patent
[NASA-CASE-XMF-08804] c 09 N71-24717
- Counter Patent
[NASA-CASE-XNP-06234] c 10 N71-27137
- Precision rectifier with FET switching means Patent
[NASA-CASE-ARC-10101-1] c 09 N71-33109
- Phase modulating with odd and even finite power series of a modulating signal
[NASA-CASE-LAR-11607-1] c 32 N77-14292
- Telephone multiline signaling using common signal pair
[NASA-CASE-KSC-11023-1] c 32 N79-23310
- Pulsed thyristor trigger control circuit
[NASA-CASE-MFS-25816-1] c 33 N82-24428
- Active lamp pulse driver circuit --- optical pumping of laser media
[NASA-CASE-GSC-12566-1] c 33 N83-34189
- ELECTRIC RELAYS**
Protective circuit of the spark gap type
[NASA-CASE-XAC-08981] c 09 N69-39897
- Time-division multiplexer Patent
[NASA-CASE-XNP-00431] c 09 N70-38998
- Out of tolerance warning alarm system for plurality of monitored circuits Patent
[NASA-CASE-XMS-10984-1] c 10 N71-19417
- Time division ratio relay synchronizing system using different sync code words for in sync and out of sync conditions Patent
[NASA-CASE-GSC-10373-1] c 07 N71-19773
- Circuit breaker utilizing magnetic latching relays Patent
[NASA-CASE-MSC-11277] c 09 N71-29008
- Multi-cell battery protection system
[NASA-CASE-LEW-12039-1] c 44 N78-14625
- ELECTRIC ROCKET ENGINES**
Electron bombardment on engine Patent
[NASA-CASE-XNP-04124] c 28 N71-21822
- ELECTRIC SPARKS**
High voltage isolation transformer
[NASA-CASE-GSC-12817-1] c 33 N83-29590
- Method and device for detection of a substance --- determining carbon fiber release in fire situations
[NASA-CASE-NPO-14940-1] c 33 N83-31954
- ELECTRIC STIMULI**
Tread drum for animals --- having an electrical shock station
[NASA-CASE-ARC-10917-1] c 51 N78-27733
- ELECTRIC SWITCHES**
Thermionic diode switch Patent
[NASA-CASE-NPO-10404] c 03 N71-12255
- Deflective rod switch with elastic support and sealing means Patent
[NASA-CASE-XNP-09808] c 09 N71-12518
- Electrical switching device Patent
[NASA-CASE-NPO-10037] c 09 N71-19610
- Plural position switch status and operativeness checker Patent
[NASA-CASE-XLA-08799] c 10 N71-27272
- Pulse generating circuit employing switch means on ends of delay line for alternately charging and discharging same Patent
[NASA-CASE-XNP-00745] c 10 N71-28960
- Cyclic switch Patent
[NASA-CASE-LEW-10155-1] c 09 N71-29035
- Telemetry actuated switch
[NASA-CASE-ARC-10105] c 09 N72-17153
- Differential pressure control
[NASA-CASE-MFS-14216] c 14 N73-13418
- Fused switch
[NASA-CASE-XMS-01244-1] c 33 N79-33393
- Pulse switching for high energy lasers
[NASA-CASE-NPO-14556-1] c 33 N82-24418
- Coupling an induction motor type generator to a-c power lines
[NASA-CASE-MFS-25302-2] c 33 N83-24768
- Automatic thermal switch --- spacecraft applications
[NASA-CASE-GSC-12553-1] c 34 N83-28356
- ELECTRIC TERMINALS**
Electrical connector pin with wiping action
[NASA-CASE-XMF-04238] c 09 N69-39734
- Electrical connector for flat cables Patent
[NASA-CASE-XMF-00324] c 09 N70-34596
- Tool attachment for spreading loose elements away from work Patent
[NASA-CASE-XMF-02107] c 15 N71-10809
- Electrical spot terminal assembly Patent
[NASA-CASE-NPO-10034] c 15 N71-17685
- Resistance soldering apparatus
[NASA-CASE-GSC-10913] c 15 N72-22491
- Radio frequency filter device
[NASA-CASE-XLA-02609] c 09 N72-25256
- Device for configuring multiple leads --- method for connecting electric leads to printed circuit board
[NASA-CASE-MFS-22133-1] c 33 N74-26977
- ELECTRIC WELDING**
Electric welding torch Patent
[NASA-CASE-XMF-02330] c 15 N71-23798
- Butt welder for fine gauge tungsten/rhenium thermocouple wire
[NASA-CASE-LAR-10103-1] c 15 N73-14468
- Welding blades to rotors
[NASA-CASE-LEW-10533-1] c 15 N73-28515
- ELECTRIC WIRE**
Wire grid forming apparatus Patent
[NASA-CASE-XLE-00023] c 15 N70-33330
- Weld control system using thermocouple wire Patent
[NASA-CASE-MFS-06074] c 15 N71-20393
- Ablation sensor Patent
[NASA-CASE-XLA-01794] c 33 N71-21586
- Resistance soldering apparatus
[NASA-CASE-GSC-10913] c 15 N72-22491
- Lead attachment to high temperature devices
[NASA-CASE-ERC-10224] c 09 N72-25261
- Means for accommodating large overstrain in lead wires --- by storing extra length of wire in stretchable loop
[NASA-CASE-LAR-10168-1] c 33 N74-22865
- Device for configuring multiple leads --- method for connecting electric leads to printed circuit board
[NASA-CASE-MFS-22133-1] c 33 N74-26977
- High current electrical lead --- for thermionic converters
[NASA-CASE-LEW-10950-1] c 33 N74-27683
- Wire stripper
[NASA-CASE-FRC-10111-1] c 37 N79-10419
- Method and apparatus for preparing multiconductor cable with flat conductors
[NASA-CASE-MFS-10946-1] c 31 N79-21226
- Edge coating of flat wires
[NASA-CASE-XMF-05757-1] c 31 N79-21227
- Phase sensitive guidance sensor for wire-following vehicles
[NASA-CASE-NPO-15341-1] c 33 N82-12346
- Thin wire pointing method
[NASA-CASE-NPO-15789-1] c 31 N83-19947
- ELECTRICAL ENGINEERING**
Relay binary circuit Patent
[NASA-CASE-XMF-00421] c 09 N70-34502

Vibrating element electrometer with output signal magnified over input signal by a function of the mechanical Q of the vibrating element Patent
[NASA-CASE-XAC-02807] c 09 N71-23021

ELECTRICAL FAULTS

Apparatus for overcurrent protection of a push-pull amplifier Patent
[NASA-CASE-MSC-12033-1] c 09 N71-13531
Failure sensing and protection circuit for converter networks Patent
[NASA-CASE-GSC-10114-1] c 10 N71-27366
Solar cell assembly test method
[NASA-CASE-NPO-10401] c 03 N72-20033
Shared memory for a fault-tolerant computer
[NASA-CASE-NPO-13139-1] c 60 N76-21914

ELECTRICAL IMPEDANCE

High voltage transistor circuit Patent
[NASA-CASE-XNP-06937] c 09 N71-19516
High impedance measuring apparatus Patent
[NASA-CASE-XMS-08589-1] c 09 N71-20569
Multitask summary alarm Patent
[NASA-CASE-XLE-03061-1] c 10 N71-24798
Signal conditioning circuit apparatus — with constant input impedance
[NASA-CASE-ARC-10348-1] c 33 N75-19518
Readout electrode assembly for measuring biological impedance
[NASA-CASE-ARC-10816-1] c 35 N76-24525
Solid-state current transformer
[NASA-CASE-MFS-22560-1] c 33 N77-14335

ELECTRICAL INSULATION

Solenoid construction Patent
[NASA-CASE-XNP-01951] c 09 N70-41929
Method and apparatus for cryogenic wire stripping Patent
[NASA-CASE-MFS-10340] c 15 N71-17628
Plasma device feed system Patent
[NASA-CASE-XLE-02902] c 25 N71-21694
Propellant feed isolator Patent
[NASA-CASE-LEW-10210-1] c 28 N71-26781
Electrical insulating layer process
[NASA-CASE-LEW-10489-1] c 15 N72-25447
Bio-isolated dc operational amplifier — for bioelectric measurements
[NASA-CASE-ARC-10596-1] c 33 N74-21851
Stored charge transistor
[NASA-CASE-NPO-11156-2] c 33 N75-31331
Method of making an insulation foil
[NASA-CASE-LEW-11484-1] c 24 N75-33181
Gas ion laser construction for electrically isolating the pressure gauge thereof
[NASA-CASE-MFS-22597] c 36 N78-17366
Wire stripper
[NASA-CASE-FRC-10111-1] c 37 N79-10419

ELECTRICAL MEASUREMENT

Device for determining the accuracy of the flare on a flared tube
[NASA-CASE-XKS-03495] c 14 N69-39785
Bootstrap unloader Patent
[NASA-CASE-XNP-09768] c 09 N71-12516
Micro current measuring device using plural logarithmic response heated filamentary type diodes Patent
[NASA-CASE-XNP-00384] c 09 N71-13530
Apparatus for field strength measurement of a space vehicle Patent
[NASA-CASE-XLE-00820] c 14 N71-16014
Apparatus for measuring current flow Patent
[NASA-CASE-XGS-02439] c 14 N71-19431
High voltage divider system Patent
[NASA-CASE-XLE-02008] c 09 N71-21583
Ablation sensor Patent
[NASA-CASE-XLA-01794] c 33 N71-21586
Hall current measuring apparatus having a series resistor for temperature compensation Patent
[NASA-CASE-XAC-01662] c 14 N71-23037
Connector internal force gauge Patent
[NASA-CASE-XNP-03918] c 14 N71-23087
Automatic signal range selector for metering devices Patent
[NASA-CASE-XMS-06497] c 14 N71-26244
Lightning current measuring systems
[NASA-CASE-KSC-10807-1] c 33 N75-26246
Rapid activation and checkout device for batteries
[NASA-CASE-MFS-22749-1] c 44 N76-14601
Electrical conductivity cell and method for fabricating the same
[NASA-CASE-ARC-10810-1] c 33 N76-19339
Trielectrode capacitive pressure transducer
[NASA-CASE-ARC-10711-2] c 33 N76-21390
Readout electrode assembly for measuring biological impedance
[NASA-CASE-ARC-10816-1] c 35 N76-24525
Apparatus for measuring semiconductor device resistance
[NASA-CASE-NPO-14424-1] c 33 N80-32650

Lightning discharge identification system
[NASA-CASE-KSC-11099-1] c 47 N82-24779

Pyroelectric detector arrays
[NASA-CASE-LAR-12363-1] c 35 N82-31659

ELECTRICAL PROPERTIES

Drift compensation circuit for analog to digital converter Patent
[NASA-CASE-XNP-04780] c 08 N71-19687
Electronically resettable fuse Patent
[NASA-CASE-XGS-11177] c 09 N71-27001
Voltage regulator Patent
[NASA-CASE-ERC-10113] c 09 N71-27053
Radiometric temperature reference Patent
[NASA-CASE-MSC-13276-1] c 14 N71-27058
Solar cell matrix
[NASA-CASE-NPO-11190] c 03 N71-34044
Storage battery comprising negative plates of a wedge shaped configuration — for preventing shape change induced malfunctions
[NASA-CASE-NPO-11806-1] c 44 N74-19693
Thermocouple tape — developed from thermoelectrically different metals
[NASA-CASE-LEW-11072-2] c 35 N76-15434
Modification of the electrical and optical properties of polymers — ion irradiation to create texture
[NASA-CASE-LEW-13027-1] c 27 N80-24437

ELECTRICAL RESISTANCE

Positive contact resistance soldering unit
[NASA-CASE-KSC-10242] c 15 N72-23497
RF-source resistance meters
[NASA-CASE-NPO-11291-1] c 14 N73-30388
Apparatus for measuring semiconductor device resistance
[NASA-CASE-NPO-14424-1] c 33 N80-32650
Reactanceless bandpass amplifier
[NASA-CASE-GSC-12788-1] c 33 N83-12333

ELECTRICAL RESISTIVITY

GaAs solar detector using manganese as a doping agent Patent
[NASA-CASE-XNP-01328] c 26 N71-18064
Thermopile vacuum gage tube simulator Patent
[NASA-CASE-XLA-02758] c 14 N71-18481
Electrically conductive fluorocarbon polymer
[NASA-CASE-XLE-06774-2] c 06 N72-25150
Electrical conductivity cell and method for fabricating the same
[NASA-CASE-ARC-10810-1] c 33 N76-19339
Durable antistatic coating for polymethylmethacrylate
[NASA-CASE-NPO-13867-1] c 27 N78-14164
Remote lightning monitor system
[NASA-CASE-KSC-11031-1] c 33 N79-11315
Lightweight electrically-powered flexible thermal laminate — made of metal and nonconductive yarns
[NASA-CASE-MSC-12662-1] c 33 N78-12331
Electrically conductive thermal control coatings
[NASA-CASE-GSC-12207-1] c 24 N79-14156
Electrical self-aligning connector
[NASA-CASE-MFS-25211-1] c 33 N80-32651
Electrically conductive palladium containing polyimide films
[NASA-CASE-LAR-12705-1] c 25 N82-26396
Method of making a high voltage V-groove solar cell
[NASA-CASE-LEW-13401-1] c 44 N82-29709
High voltage isolation transformer
[NASA-CASE-GSC-12817-1] c 33 N83-29590
Method and device for detection of a substance — determining carbon fiber release in fire situations
[NASA-CASE-NPO-14940-1] c 33 N83-31854
Piezoelectric composite materials
[NASA-CASE-LEW-12582-1] c 76 N83-34796

ELECTRICITY

Thermionic converter with current augmented by self induced magnetic field Patent
[NASA-CASE-XLE-01903] c 22 N71-23599

ELECTRO-OPTICS

Electro-optical scanning apparatus Patent Application
[NASA-CASE-NPO-11106] c 14 N70-34697
Electro-optical alignment control system Patent
[NASA-CASE-XMF-00908] c 14 N70-40238
Polarimeter for transient measurement Patent
[NASA-CASE-XNP-08883] c 23 N71-16101
Light direction sensor
[NASA-CASE-NPO-11201] c 14 N72-27409
Ultrastable calibrated light source
[NASA-CASE-MSC-12293-1] c 14 N72-27411
Optical conversion method — for spacecraft television
[NASA-CASE-MSC-12618-1] c 74 N78-17865
Noncontacting method for measuring angular deflection
[NASA-CASE-LAR-12178-1] c 74 N80-21138
Integrated optics in an electrically scanned imaging Fourier transform spectrometer
[NASA-CASE-NPO-15844-1] c 74 N83-12992
Optical distance measuring instrument
[NASA-CASE-12761-1] c 74 N83-13982

Integrated opto-electronic laser beam deflector position detector
[NASA-CASE-NPO-15943-1] c 36 N83-20092
Miniature electro-optical air flow sensor
[NASA-CASE-LAR-13065-1] c 74 N83-25539

ELECTROACOUSTIC TRANSDUCERS

Respiration monitor
[NASA-CASE-FRC-10012] c 14 N72-17329
Material suspension within an acoustically excited resonant chamber — at near weightless conditions
[NASA-CASE-NPO-13263-1] c 12 N75-24774
CDS solid state phase insensitive ultrasonic transducer — annealing dadmum sulfide crystals
[NASA-CASE-LAR-12304-1] c 35 N80-20559

ELECTROACOUSTIC WAVES

Phonocardiogram simulator Patent
[NASA-CASE-XKS-10804] c 05 N71-24606
Carbon granule probe microphone for leak detection
[NASA-CASE-NPO-16027-1] c 33 N83-29595

ELECTROCARDIOGRAPHY

Phonocardiogram simulator Patent
[NASA-CASE-XKS-10804] c 05 N71-24606
Rate meter
[NASA-CASE-MFS-20418] c 14 N73-24473
Insulated electrocardiographic electrodes — without paste electrolyte
[NASA-CASE-MSC-14339-1] c 05 N75-24716
Pocket ECG electrode
[NASA-CASE-ARC-11259-1] c 52 N80-33081
Subcutaneous electrode structure
[NASA-CASE-ARC-11117-1] c 52 N81-14612

ELECTROCATALYSTS

Electrocatalyst for oxygen reduction
[NASA-CASE-HQN-10537-1] c 06 N72-10138
Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-1] c 33 N80-20487
Zirconium carbide as an electrocatalyst for the chromous-chromic redox couple
[NASA-CASE-LEW-13248-1] c 44 N83-27344

ELECTROCHEMICAL CELLS

Apparatus for measuring swelling characteristics of membranes
[NASA-CASE-XGS-03865] c 14 N69-21363
Prevention of pressure build-up in electrochemical cells Patent
[NASA-CASE-XGS-01419] c 03 N70-41864
Non-magnetic battery case Patent
[NASA-CASE-XGS-00886] c 03 N71-11053
Sealing device for an electrochemical cell Patent
[NASA-CASE-XGS-02630] c 03 N71-22974
Sealed electrochemical cell provided with a flexible casing Patent
[NASA-CASE-XGS-01513] c 03 N71-23336
Electric battery and method for operating same Patent
[NASA-CASE-XGS-01674] c 03 N71-29129
Frangible electrochemical cell
[NASA-CASE-XGS-10010] c 03 N72-15986
Porous electrode comprising a bonded stack of pieces of corrugated metal foil
[NASA-CASE-GSC-11388-1] c 09 N73-32108
Battery testing device — for testing cells of multiple-cell battery
[NASA-CASE-MFS-20761-1] c 44 N74-27519
Electrical conductivity cell and method for fabricating the same
[NASA-CASE-ARC-10810-1] c 33 N76-19339
Multi-cell battery protection system
[NASA-CASE-LEW-12039-1] c 44 N78-14625
Method and device for the detection of phenol and related compounds — in an electrochemical cell
[NASA-CASE-LEW-12513-1] c 25 N79-22235
Electrochemical cell for rebalancing REDOX flow system
[NASA-CASE-LEW-13150-1] c 44 N79-26474
Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-1] c 33 N80-20487
Alkaline electrochemical cells and method of making
[NASA-CASE-GSC-10349-1] c 44 N82-24645

ELECTROCHEMICAL MACHINING

Apparatus for electrolytically tapered or contoured cavities
[NASA-CASE-XNP-08835-1] c 37 N80-14395

ELECTROCHEMICAL OXIDATION

Method and device for the detection of phenol and related compounds — in an electrochemical cell
[NASA-CASE-LEW-12513-1] c 25 N79-22235

ELECTROCHEMISTRY

Electrode for biological recording
[NASA-CASE-XMS-02872] c 05 N69-21925
Electrochemical detection device — for use in microbiology
[NASA-CASE-LAR-11922-1] c 25 N79-24073

ELECTRODE FILM BARRIERS

Formulated plastic separators for soluble electrode cells — rubber-ion transport membranes
[NASA-CASE-LEW-12358-1] c 44 N79-17313

ELECTRODEPOSITION

Method of electrolytically binding a layer of semiconductors together Patent
[NASA-CASE-XNP-01859] c 26 N71-23043
Method of producing crystalline materials
[NASA-CASE-NPO-10440] c 15 N72-21466
Electrophoretic sample insertion — device for uniformly distributing samples in flow path
[NASA-CASE-MFS-21395-1] c 25 N74-26948
Multitarget sequential sputtering apparatus
[NASA-CASE-NPO-13345-1] c 37 N75-19684
Method and device for the detection of phenol and related compounds — in an electrochemical cell
[NASA-CASE-LEW-12513-1] c 25 N79-22235

ELECTRODES

Electrode and insulator with shielded dielectric junction
[NASA-CASE-XLE-03778] c 09 N69-21542
Electrode for biological recording
[NASA-CASE-XMS-02872] c 05 N69-21925
Bonding thermoelectric elements to nonmagnetic refractory metal electrodes
[NASA-CASE-XGS-04554] c 15 N69-39786
Ionization vacuum gauge Patent
[NASA-CASE-XNP-00648] c 14 N70-35666
Double optic system for ion engine Patent
[NASA-CASE-XNP-02839] c 28 N70-41922
Oidium hydrate additive to nickel hydroxide electrodes Patent
[NASA-CASE-XGS-03505] c 03 N71-10608
Focussing system for an ion source having apertured electrodes Patent
[NASA-CASE-XNP-03332] c 09 N71-10618
Biomedical electrode arrangement Patent
[NASA-CASE-XFR-10856] c 05 N71-11189
Electrode construction Patent
[NASA-CASE-ARC-10043-1] c 05 N71-11193
Pressed disc type sensing electrodes with ion-screening means Patent
[NASA-CASE-XMS-04212-1] c 05 N71-12346
Method of making electrical contact on silicon solar cell and resultant product Patent
[NASA-CASE-XLE-04787] c 03 N71-20492
Arc electrode of graphite with ball tip Patent
[NASA-CASE-XLE-04788] c 09 N71-22987
Sealing member and combination thereof and method of producing said sealing member Patent
[NASA-CASE-XMS-01625] c 15 N71-23022
Automatic recording McLeod gauge Patent
[NASA-CASE-XLE-03280] c 14 N71-23093
Flexible conductive disc electrode Patent
[NASA-CASE-FRC-10029] c 09 N71-24618
Plated electrodes Patent
[NASA-CASE-XMS-04213-1] c 09 N71-26002
Method and apparatus for attaching physiological monitoring electrodes Patent
[NASA-CASE-XFR-07658-1] c 05 N71-26293
Field ionization electrodes Patent
[NASA-CASE-ERC-10013] c 09 N71-26678
Method of making a perspiration resistant biopotential electrode
[NASA-CASE-MSC-90153-2] c 05 N72-25120
Method of making dry electrodes
[NASA-CASE-FRC-10029-2] c 05 N72-25121
Compressible biomedical electrode
[NASA-CASE-MSC-13648] c 05 N72-27103
Method and apparatus for limiting field emission current
[NASA-CASE-ERC-10015-2] c 10 N72-27246
Coaxial high density, hypervelocity plasma generator and accelerator with ionizable metal disc
[NASA-CASE-MFS-20589] c 25 N72-32688
Ion thruster with a combination keeper electrode and electron baffle
[NASA-CASE-NPO-11880] c 28 N73-24783
Wide temperature range electronic device with lead attachment
[NASA-CASE-ERC-10224-2] c 09 N73-27150
Porous electrode comprising a bonded stack of pieces of corrugated metal foil
[NASA-CASE-GSC-11368-1] c 09 N73-32108
High powered arc electrodes — producing solar simulator radiation
[NASA-CASE-LEW-11162-1] c 33 N74-12913
Method of making porous conductive supports for electrodes — by electroforming and stacking nickel foils
[NASA-CASE-GSC-11367-1] c 44 N74-19692
Insulated electrocardiographic electrodes — without paste electrolyte
[NASA-CASE-MSC-14339-1] c 05 N75-24716

Readout electrode assembly for measuring biological impedance

[NASA-CASE-ARC-10816-1] c 35 N76-24525
Gels as battery separators for soluble electrode cells
[NASA-CASE-LEW-12384-1] c 44 N77-22606
Snap-in compressible biomedical electrode
[NASA-CASE-MSC-14823-1] c 52 N77-28717
Apparatus for electrolytically tapered or contoured cavities
[NASA-CASE-XNP-08835-1] c 37 N80-14395
Toroidal cell and battery — storage battery for high amp-hour load applications
[NASA-CASE-LEW-12918-1] c 44 N81-24521
Additive for zinc electrodes
[NASA-CASE-LEW-13286-1] c 44 N81-27597
Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-2] c 44 N81-29524
Microwave field effect transistor
[NASA-CASE-GSC-12442-1] c 33 N82-20398
Method of making formulated plastic separators for soluble electrode cells
[NASA-CASE-LEW-12358-2] c 25 N82-21268
Improved chromium electrodes for REDOX cells
[NASA-CASE-LEW-13653-1] c 44 N82-22672
Light weight nickel battery plaque
[NASA-CASE-LEW-13349-1] c 44 N82-22673
Multistage depressed collector for dual mode operation — for microwave transmitting tubes
[NASA-CASE-LEW-13282-1] c 33 N82-24415
Alkaline electrochemical cells and method of making
[NASA-CASE-GSC-10349-1] c 44 N82-24645
Ion beam textured graphite electrode plates — high efficiency electron tube devices
[NASA-CASE-LEW-12919-2] c 24 N82-26386
Electrodes for solid state devices
[NASA-CASE-NPO-15181-1] c 33 N82-26575
Imaging X-ray spectrometer
[NASA-CASE-GSC-12682-1] c 35 N82-26629
Closed loop electrostatic system
[NASA-CASE-NPO-15553-1] c 33 N83-12335
Chalcogenophosphate photoelectrodes
[NASA-CASE-LAR-12958-1] c 44 N83-18025
Photoelectrochemical electrodes
[NASA-CASE-NPO-15458-1] c 76 N83-25587
A spillage detector for liquid chromatography systems
[NASA-CASE-MSC-20206-1] c 25 N83-29325
Thermionic energy converters
[NASA-CASE-LEW-12443-1] c 44 N83-32175

ELECTRODIALYSIS
Aqueous alkali metal hydroxide insoluble cellulose ether membrane
[NASA-CASE-XGS-05584-1] c 25 N82-28370

ELECTROFORMING
Method of electroforming a rocket chamber
[NASA-CASE-LEW-11118-1] c 20 N74-32919

ELECTROHYDRAULIC FORMING
Electrical discharge apparatus for forming Patent
[NASA-CASE-XMF-00375] c 15 N70-34249

ELECTROHYDRODYNAMICS
Electrohydrodynamic control valve Patent
[NASA-CASE-NPO-10416] c 12 N71-27332

ELECTROKINETICS
Zeta potential flowmeter Patent
[NASA-CASE-XNP-06509] c 14 N71-23228

ELECTROLYSIS
Passively regulated water electrolysis rocket engine Patent
[NASA-CASE-XGS-08729] c 28 N71-14044
Combined electrolysis device and fuel cell and method of operation Patent
[NASA-CASE-XLE-01845] c 03 N71-20904
Polymeric electrolytic hygrometer
[NASA-CASE-NPO-13948-1] c 35 N78-25391
Trace water sensor
[NASA-CASE-NPO-15722-1] c 35 N83-20084

ELECTROLYTES
Apparatus for measuring swelling characteristics of membranes
[NASA-CASE-XGS-03885] c 14 N69-21363
Electrolytically regenerative hydrogen-oxygen fuel cell Patent
[NASA-CASE-XLE-04526] c 03 N71-11052
Sealed electrochemical cell provided with a flexible casing Patent
[NASA-CASE-XGS-01513] c 03 N71-23336
Compressible biomedical electrode
[NASA-CASE-MSC-13648] c 05 N72-27103
Improved chromium electrodes for REDOX cells
[NASA-CASE-LEW-13653-1] c 44 N82-22672
Solid electrolyte cell
[NASA-CASE-NPO-15269-1] c 44 N82-29710
Polyvinyl alcohol battery separator containing inert filler
[NASA-CASE-LEW-13558-2] c 44 N83-29805

ELECTROLYTIC CELLS

Method of making emf cell
[NASA-CASE-LEW-11359-2] c 03 N72-20034
Electrolytic gas operated actuator
[NASA-CASE-NPO-11369] c 15 N73-13467
Electrolytic cell structure
[NASA-CASE-LAR-11042-1] c 33 N75-27252
Reconstituted asbestos matrix — for use in fuel or electrolysis cells
[NASA-CASE-MSC-12568-1] c 24 N76-14204
Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-1] c 33 N80-20487
Cell and method for electrolysis of water and anode
[NASA-CASE-MSC-16394-1] c 28 N81-24280
Toroidal cell and battery — storage battery for high amp-hour load applications
[NASA-CASE-LEW-12918-1] c 44 N81-24521
Solid electrolyte cell
[NASA-CASE-NPO-15269-1] c 44 N82-29710

ELECTROMAGNETIC ABSORPTION

Multiple pass reimagining optical system
[NASA-CASE-ARC-10194-1] c 23 N73-20741
Method and apparatus for background signal reduction in opto-acoustic absorption measurement
[NASA-CASE-NPO-13683-1] c 35 N77-14411
Electromagnetic radiation energy arrangement — coatings for solar energy absorption and infrared reflection
[NASA-CASE-WOO-00428-1] c 32 N79-19186
Electromagnetic power absorber
[NASA-CASE-NPO-13830-1] c 32 N80-14281

ELECTROMAGNETIC FIELDS

Tumbler system to provide random motion
[NASA-CASE-XGS-02437] c 15 N69-21472
Vacuum evaporator with electromagnetic ion steering Patent
[NASA-CASE-NPO-10331] c 09 N71-26701
Metallic intrusion detector system
[NASA-CASE-ARC-10265-1] c 10 N72-28240
Low power electromagnetic flowmeter providing accurate zero set
[NASA-CASE-ARC-10362-1] c 14 N73-32326
Electromagnetic flow rate meter — for liquid metals
[NASA-CASE-LEW-10981-1] c 35 N74-21018
Microcomputerized electric field meter diagnostic and calibration system
[NASA-CASE-KSC-11035-1] c 35 N78-28411
Three phase power factor controller with induced EMF sensing
[NASA-CASE-MFS-25852-1] c 33 N83-17803
Induction heating gun
[NASA-CASE-LAR-13181-1] c 33 N83-29591

ELECTROMAGNETIC HAMMERS

Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114] c 15 N71-17650
Magnetomotive metal working device Patent
[NASA-CASE-XMF-03793] c 15 N71-24833

ELECTROMAGNETIC INTERFERENCE

Sealed cabinetry Patent
[NASA-CASE-MSC-12168-1] c 09 N71-18800
Method of treating the surface of a glass member
[NASA-CASE-GSC-12110-1] c 27 N77-32308

ELECTROMAGNETIC MEASUREMENT

Method and apparatus for determining electromagnetic characteristics of large surface area passive reflectors Patent
[NASA-CASE-XGS-02608] c 07 N70-41678
Microcomputerized electric field meter diagnostic and calibration system
[NASA-CASE-KSC-11035-1] c 35 N78-28411
Lightning discharge identification system
[NASA-CASE-KSC-11099-1] c 47 N82-24779

ELECTROMAGNETIC NOISE

Parametric amplifiers with idler circuit feedback
[NASA-CASE-LAR-10253-1] c 09 N72-25258
Audio system with means for reducing noise effects
[NASA-CASE-NPO-11631] c 10 N73-12244
Filtering device — removing electromagnetic noise from voice communication signals
[NASA-CASE-MFS-22729-1] c 32 N76-21366
Submillimeter wave Schottky barrier diode with low series resistance and low noise
[NASA-CASE-NPO-15935-1] c 33 N83-12334

ELECTROMAGNETIC PROPULSION

Hypervelocity gun — using both electric and chemical energy for projectile propulsion
[NASA-CASE-XLE-03186-1] c 09 N79-21084

ELECTROMAGNETIC PUMPS

Multiducted electromagnetic pump Patent
[NASA-CASE-NPO-10755] c 15 N71-27084

ELECTROMAGNETIC RADIATION

Inflatable radar reflector unit Patent
[NASA-CASE-X-1S-00893] c 07 N70-40063

Circulator having quarter wavelength resonant post and parametric amplifier circuits utilizing the same Patent [NASA-CASE-XNP-02140] c 09 N71-23097

Electromagnetic polarization systems and methods Patent [NASA-CASE-GSC-10021-1] c 09 N71-24595

Antenna design for surface wave suppression Patent [NASA-CASE-XLA-10772] c 07 N71-28980

Multiple reflection conical microwave antenna [NASA-CASE-NPO-11661] c 07 N73-14130

Method and apparatus for measuring electromagnetic radiation [NASA-CASE-LEW-11159-1] c 14 N73-28488

Hyperthermia heating apparatus --- cancer therapy [NASA-CASE-NPO-14549-2] c 52 N82-33996

Inelastic tunnel diodes [NASA-CASE-LEW-13833-1] c 33 N83-25983

ELECTROMAGNETIC SHIELDING

Method of making shielded flat cable Patent [NASA-CASE-MFS-13687] c 09 N71-28691

Wire stripper [NASA-CASE-FRC-10111-1] c 37 N79-10419

Shielded conductor cable system [NASA-CASE-MSC-12745-1] c 33 N81-27397

ELECTROMAGNETIC WAVE FILTERS

Laser camera and diffusion filter therefore Patent [NASA-CASE-NPO-10417] c 16 N71-33410

ELECTROMAGNETIC WAVE TRANSMISSION

Method and apparatus for determining electromagnetic characteristics of large surface area passive reflectors Patent [NASA-CASE-XGS-02608] c 07 N70-41678

Gyrotion transmitting tube [NASA-CASE-LEW-13429-1] c 33 N83-31952

ELECTROMAGNETISM

Detenting servomotor Patent [NASA-CASE-XNP-06936] c 15 N71-24695

Linear magnetic bearing [NASA-CASE-GSC-12517-1] c 37 N83-32067

ELECTROMAGNETS

Electromagnetic mirror drive system [NASA-CASE-XLA-03724] c 14 N69-27461

Solenoid construction Patent [NASA-CASE-XNP-01951] c 09 N70-41929

Position sensing device employing misaligned magnetic field generating and detecting apparatus Patent [NASA-CASE-XGS-07514] c 23 N71-16099

Safe-arm initiator Patent [NASA-CASE-LAR-10372] c 09 N71-18599

Magnetic bearing --- for supplying magnetic fluxes [NASA-CASE-GSC-11079-1] c 37 N75-18574

Linear magnetic bearings --- active magnetic suspension of armatures [NASA-CASE-GSC-12582-1] c 37 N81-16469

Linear magnetic bearings [NASA-CASE-GSC-12582-2] c 37 N83-13460

ELECTROMECHANICAL DEVICES

Electromechanical actuator [NASA-CASE-XNP-05975] c 15 N69-23185

Bimetallic power controlled actuator [NASA-CASE-XNP-09776] c 09 N69-39929

Apparatus for coupling a plurality of ungrounded circuits to a grounded circuit Patent [NASA-CASE-XAC-00086] c 09 N70-33182

Apparatus for controlling the velocity of an electromechanical drive for interferometers and the like Patent [NASA-CASE-XGS-03532] c 14 N71-17627

Mechanical actuator Patent [NASA-CASE-XGS-04548] c 15 N71-24045

Transverse piezoresistance and pinch effect electromechanical transducers Patent [NASA-CASE-ERC-10088] c 26 N71-25490

Electromechanical control actuator system Patent [NASA-CASE-ERC-10022] c 15 N71-26635

Pressure sensitive transducers Patent [NASA-CASE-ERC-10087] c 14 N71-27334

Electro-mechanical sine/cosine generator [NASA-CASE-LAR-10503-1] c 09 N72-21248

Ferrofluidic solenoid [NASA-CASE-NPO-11738-1] c 09 N73-30185

Electro-mechanical sine/cosine generator [NASA-CASE-LAR-11389-1] c 33 N77-26387

Rotary electric device [NASA-CASE-GSC-12138-1] c 33 N79-20314

Coal-shale interface detection system [NASA-CASE-MFS-23720-2] c 43 N80-14423

Coal-shale interface detector [NASA-CASE-MFS-23720-1] c 43 N80-23711

Magnetic field control --- electromechanical torquing device [NASA-CASE-MFS-23828-1] c 33 N82-26569

Variable length strut with longitudinal compliance and locking capability --- constructing truss and beam structures in space and interconnecting an orbit transfer vehicle and a payload [NASA-CASE-MFS-25907-1] c 37 N83-31019

Piezoelectric composite materials [NASA-CASE-LEW-12582-1] c 76 N83-34796

Memory metal actuator --- for use in electromechanical servocontrol systems [NASA-CASE-NPO-15960-1] c 37 N83-36485

ELECTROMETERS

Vibrating element electrometer with output signal magnified over input signal by a function of the mechanical Q of the vibrating element Patent [NASA-CASE-XAC-02807] c 09 N71-23021

Pyroelectric detector arrays [NASA-CASE-LAR-12363-1] c 35 N82-31659

ELECTROMIGRATION

Electromigration process for the purification of molten silicon during crystal growth [NASA-CASE-NPO-14831-1] c 76 N82-30105

ELECTROMOTIVE FORCES

Heat activated cell Patent [NASA-CASE-LEW-11359] c 03 N71-28579

ELECTRON ATTACHMENT

High resolution threshold photoelectron spectroscopy by electron attachment [NASA-CASE-NPO-14078-1] c 72 N80-14877

ELECTRON BEAM WELDING

Split welding chamber Patent [NASA-CASE-LEW-11531] c 15 N71-14932

Device for preventing high voltage arcing in electron beam welding Patent [NASA-CASE-XMF-08522] c 15 N71-19486

ELECTRON BEAMS

Electronic beam switching commutator Patent [NASA-CASE-XGS-01451] c 09 N71-10677

Method and means for an improved electron beam scanning system Patent [NASA-CASE-ERC-10552] c 09 N71-12539

Electron beam instrument for measuring electric fields Patent [NASA-CASE-XMF-10289] c 14 N71-23699

Apparatus for determining the deflection of an electron beam impinging on a target Patent [NASA-CASE-XMF-06617] c 09 N71-24843

Infrared detectors [NASA-CASE-LAR-10728-1] c 14 N73-12445

Electron beam controller --- using magnetic field to refocus spent electron beam in microwave oscillator tube [NASA-CASE-LEW-11617-1] c 33 N74-10195

Image tube --- deriving electron beam replica of image [NASA-CASE-GSC-11602-1] c 33 N74-21850

Very high intensity light source using a cathode ray tube --- electron beams [NASA-CASE-XNP-01296] c 33 N75-27250

Coupled cavity traveling wave tube with velocity tapering [NASA-CASE-LEW-12296-1] c 33 N80-19425

A low energy electron magnetometer [NASA-CASE-LAR-12706-1] c 35 N81-19428

A linearized traveling wave amplifier with hard limiter characteristics [NASA-CASE-LEW-13981-1] c 33 N83-25984

ELECTRON BOMBARDMENT

Ion thruster cathode [NASA-CASE-XLE-07087] c 06 N69-39889

Device for measuring electron-beam intensities and for subjecting materials to electron irradiation in an electron microscope [NASA-CASE-XGS-01725] c 14 N69-39982

Electron bombardment ion engine Patent [NASA-CASE-NPO-04124] c 28 N71-21822

Electronic cathode having a brush-like structure and a relatively thick oxide emissive coating Patent [NASA-CASE-XLE-04501] c 09 N71-23190

Single grid accelerator for an ion thruster [NASA-CASE-XLE-10453-2] c 28 N73-27699

Containerless high temperature calorimeter apparatus [NASA-CASE-MFS-23923-1] c 35 N81-19426

Ion beam textured graphite electrode plates --- high efficiency electron tube devices [NASA-CASE-LEW-12919-2] c 24 N82-26386

Mechanical bonding of metal method [NASA-CASE-LEW-12941-1] c 26 N83-10170

ELECTRON CAPTURE

Multistage depressed collector for dual mode operation --- for microwave transmitting tubes [NASA-CASE-LEW-13282-1] c 33 N82-24415

ELECTRON DISTRIBUTION

Measurement of plasma temperature and density using radiation absorption [NASA-CASE-ARC-10598-1] c 75 N74-30156

ELECTRON EMISSION

Triode thermionic energy converter [NASA-CASE-XLE-01015] c 03 N69-39898

ELECTRON FLUX DENSITY

Device for measuring electron-beam intensities and for subjecting materials to electron irradiation in an electron microscope [NASA-CASE-XGS-01725] c 14 N69-39982

ELECTRON IRRADIATION

Ion rocket Patent [NASA-CASE-XLE-00376] c 28 N70-37245

ELECTRON MICROSCOPES

Device for measuring electron-beam intensities and for subjecting materials to electron irradiation in an electron microscope [NASA-CASE-XGS-01725] c 14 N69-39982

Method of forming aperture plate for electron microscope [NASA-CASE-ARC-10448-2] c 74 N75-12732

Electron microscope aperture system [NASA-CASE-ARC-10448-3] c 35 N77-14408

ELECTRON MICROSCOPY

Synchronized voltage contrast display analysis system [NASA-CASE-NPO-14567-1] c 33 N83-18996

ELECTRON PHOTON CASCADES

Resistive anode image converter [NASA-CASE-HQN-10876-1] c 33 N76-27473

ELECTRON PLASMA

Method and apparatus for producing a plasma Patent [NASA-CASE-XLA-00147] c 25 N70-34661

ELECTRON SCATTERING

Means and method for calibrating a photon detector utilizing electron-photon coincidence [NASA-CASE-NPO-15644-1] c 72 N82-24953

ELECTRON SOURCES

Electron microscope aperture system [NASA-CASE-ARC-10448-3] c 35 N77-14408

ELECTRON TRANSFER

Process for reducing secondary electron emission Patent [NASA-CASE-XNP-09469] c 24 N71-25555

ELECTRON TRANSITIONS

Diatomic infrared gasdynamic laser --- for producing different wavelengths [NASA-CASE-ARC-10370-1] c 36 N75-31426

ELECTRON TUBES

Direct radiation cooling of the collector of linear beam tubes [NASA-CASE-XNP-09227] c 15 N69-24319

Radiant heater having formed filaments Patent [NASA-CASE-XLE-00387] c 33 N70-34812

Ion sputter textured graphite --- anode collector plates in electron tube devices [NASA-CASE-LEW-12919-1] c 24 N83-10117

Gyrotion transmitting tube [NASA-CASE-LEW-13429-1] c 33 N83-31952

ELECTRON TUNNELING

Doped Josephson tunneling junction for use in a sensitive IR detector [NASA-CASE-NPO-13348-1] c 33 N75-31332

ELECTRONIC CONTROL

Monopulse system with an electronic scanner [NASA-CASE-XGS-05582] c 07 N69-27460

Electronic motor control system Patent [NASA-CASE-XMF-01129] c 09 N70-38712

Phase multiplying electronic scanning system Patent [NASA-CASE-NPO-10302] c 10 N71-26142

Ion beam deflector Patent [NASA-CASE-LEW-10689-1] c 28 N71-26173

Peak acceleration limiter for vibrational tester Patent [NASA-CASE-NPO-10556] c 14 N71-27185

Digital control and information system [NASA-CASE-NPO-11016] c 08 N72-31226

Electronic system for high power load control --- solar arrays [NASA-CASE-NPO-15358-1] c 33 N83-27126

ELECTRONIC EQUIPMENT

Monopulse system with an electronic scanner [NASA-CASE-XGS-05582] c 07 N69-27460

Pulse activated polarographic hydrogen detector Patent [NASA-CASE-XMF-06531] c 14 N71-17575

Stable amplifier having a stable quiescent point Patent [NASA-CASE-XGS-02812] c 09 N71-19466

Static inverter Patent [NASA-CASE-XGS-05289] c 09 N71-19470

Circulator having quarter wavelength resonant post and parametric amplifier circuits utilizing the same Patent [NASA-CASE-XNP-02140] c 09 N71-23097

Optimum predetection diversity receiving system Patent [NASA-CASE-XGS-00740] c 07 N71-23098

Electronic cathode having a brush-like structure and a relatively thick oxide emissive coating Patent [NASA-CASE-XLE-04501] c 09 N71-23190

- Method and apparatus for varying thermal conductivity Patent
[NASA-CASE-XNP-05524] c 33 N71-24876
- A solid state acoustic variable time delay line Patent
[NASA-CASE-ERC-10032] c 10 N71-25900
- Automatic signal range selector for metering devices Patent
[NASA-CASE-XMS-06497] c 14 N71-26244
- Fringe counter for interferometers Patent
[NASA-CASE-LAR-10204] c 14 N71-27215
- Temperature regulation circuit Patent
[NASA-CASE-XNP-02792] c 14 N71-28958
- Method and apparatus for data compression by a decreasing slope threshold test
[NASA-CASE-NPO-10769] c 08 N72-11171
- Universal environment package with sectional component housing
[NASA-CASE-KSC-10031] c 15 N72-22486
- Lead attachment to high temperature devices
[NASA-CASE-ERC-10224] c 09 N72-25261
- Method and apparatus for detecting surface ions on silicon diodes and transistors
[NASA-CASE-ERC-10325] c 15 N72-25457
- Versatile arithmetic unit for high speed sequential decoder
[NASA-CASE-NPO-11371] c 08 N73-12177
- Data processor with conditionally supplied clock signals
[NASA-CASE-GSC-10975-1] c 08 N73-13187
- Heat detection and compositions and devices therefor
[NASA-CASE-NPO-10764-1] c 14 N73-14428
- Phase control circuits using frequency multiplications for phased array antennas
[NASA-CASE-ERC-10285] c 10 N73-16206
- Junction range finder
[NASA-CASE-KSC-10108] c 14 N73-25461
- Electronic strain-level counter
[NASA-CASE-LAR-10756-1] c 32 N73-26910
- Automatic vehicle location system
[NASA-CASE-NPO-11850-1] c 32 N74-12912
- Automatic focus control for facsimile cameras
[NASA-CASE-LAR-11213-1] c 35 N75-15014
- Electronic analog divider
[NASA-CASE-LEW-11881-1] c 33 N77-17354
- Moisture content and gas sampling device --- to test hermetically sealed electronic equipment
[NASA-CASE-MSC-18866-1] c 35 N82-26634
- ELECTRONIC EQUIPMENT TESTS**
- Analog to digital converter tester Patent
[NASA-CASE-XLA-06713] c 14 N71-28991
- Signal conditioner test set
[NASA-CASE-KSC-10750-1] c 35 N75-12270
- Decommutator patchboard verifier
[NASA-CASE-KSC-11065-1] c 33 N81-26359
- Synchronized voltage contrast display analysis system
[NASA-CASE-NPO-14567-1] c 33 N83-18996
- ELECTRONIC FILTERS**
- Self-tuning bandpass filter
[NASA-CASE-ARC-10264-1] c 09 N73-20231
- Capacitance multiplier and filter synthesizing network
[NASA-CASE-NPO-11948-1] c 33 N74-32712
- Notch filter
[NASA-CASE-MFS-23303-1] c 32 N77-18307
- ELECTRONIC MODULES**
- Thermal conductive connection and method of making same Patent
[NASA-CASE-XMS-02087] c 09 N70-41717
- Solar cell submodule Patent
[NASA-CASE-XNP-05821] c 03 N71-11056
- Heat conductive resiliently compressible structure for space electronics package modules Patent
[NASA-CASE-MSC-12389] c 33 N71-29052
- Tool for use in lifting pin supported objects
[NASA-CASE-NPO-13157-1] c 37 N74-32918
- Phase substitution of spare converter for a failed one of parallel phase staggered converters
[NASA-CASE-NPO-13812-1] c 33 N77-30365
- Method of making encapsulated solar cell modules
[NASA-CASE-LEW-12185-1] c 44 N78-25528
- Electronically scanned pressure sensor module with in situ calibration capability
[NASA-CASE-LAR-12230-1] c 35 N79-14347
- Module failure isolation circuit for paralleled inverters --- preventing system failure during power conditioning for spacecraft applications
[NASA-CASE-NPO-14000-1] c 33 N79-24254
- Circuit for automatic load sharing in parallel converter modules
[NASA-CASE-NPO-14056-1] c 33 N79-24257
- Method and apparatus for fabricating improved solar cell modules
[NASA-CASE-NPO-14416-1] c 44 N81-14389
- Redundant operation of counter modules
[NASA-CASE-NPO-14162-1] c 60 N81-15706
- Electronic scanning pressure measuring system and transducer package
[NASA-CASE-ARC-11361-1] c 35 N82-26635
- ELECTRONIC PACKAGING**
- Electrical feed-through connection for printed circuit boards and printed cable
[NASA-CASE-XMF-01483] c 14 N69-27431
- Capacitor and method of making same Patent
[NASA-CASE-LEW-10364-1] c 09 N71-13522
- Method of evaluating moisture barrier properties of encapsulating materials Patent
[NASA-CASE-NPO-10051] c 18 N71-24934
- Microelectronic module package Patent
[NASA-CASE-XMS-02182] c 10 N71-28783
- Frangible electrochemical cell
[NASA-CASE-XGS-10010] c 03 N72-15986
- Hermetically sealed semiconductor
[NASA-CASE-GSC-10791-1] c 15 N73-14469
- Circuit board package with wedge shaped covers
[NASA-CASE-MFS-21919-1] c 10 N73-25243
- Integrated circuit package with lead structure and method of preparing the same
[NASA-CASE-MFS-21374-1] c 33 N74-12951
- Tool for use in lifting pin supported objects
[NASA-CASE-NPO-13157-1] c 37 N74-32918
- Chassis unit insert tightening-extract device
[NASA-CASE-XMS-01077-1] c 37 N79-33467
- Computer circuit card puller
[NASA-CASE-FRC-11042-1] c 60 N82-24839
- Hermetically sealable package for hybrid solid-state electronic devices and the like
[NASA-CASE-MSC-20181-1] c 33 N82-28549
- ELECTRONIC RECORDING SYSTEMS**
- Propellant mass distribution metering apparatus Patent
[NASA-CASE-NPO-10185] c 10 N71-26339
- A self-correcting electronically scanned pressure sensor
[NASA-CASE-LAR-12686-1] c 09 N81-27121
- ELECTRONIC TRANSDUCERS**
- Fiber optic vibration transducer and analyzer Patent
[NASA-CASE-XMF-02433] c 14 N71-10616
- Transducer circuit and catheter transducer Patent
[NASA-CASE-ARC-10132-1] c 09 N71-24597
- Failure sensing and protection circuit for converter networks Patent
[NASA-CASE-GSC-10114-1] c 10 N71-27366
- Electromagnetic transducer recording head having a laminated core section and tapered gap
[NASA-CASE-NPO-10711-1] c 35 N77-21392
- Distributed-switch Dicke radiometers
[NASA-CASE-GSC-12219-1] c 35 N80-18359
- ELECTROPHORESIS**
- Electrophoretic sample insertion --- device for uniformly distributing samples in flow path
[NASA-CASE-MFS-21395-1] c 25 N74-26948
- Apparatus for conducting flow electrophoresis in the substantial absence of gravity
[NASA-CASE-MFS-21394-1] c 34 N74-27744
- Automatic multiple-sample applicator and electrophoresis apparatus
[NASA-CASE-ARC-10991-1] c 25 N78-14104
- Portable electrophoresis apparatus using minimum electrolyte
[NASA-CASE-NPO-13274-1] c 25 N79-10163
- Microelectrophoretic apparatus and process
[NASA-CASE-ARC-11121-1] c 25 N79-14169
- Electrophoretic fractional elution apparatus employing a rotational seal fraction collector
[NASA-CASE-MFS-23284-1] c 37 N80-14397
- Method for separating biological cells --- suspended in aqueous polymer systems
[NASA-CASE-MFS-23883-1] c 51 N80-16715
- Electrophoresis device
[NASA-CASE-MFS-25426-1] c 25 N83-10126
- Static continuous electrophoresis device
[NASA-CASE-MFS-25306-1] c 25 N83-13187
- ELECTROPHOTOMETERS**
- Method and device for detecting voids in low density material Patent
[NASA-CASE-MFS-20044] c 14 N71-28993
- ELECTROPHYSIOLOGY**
- Flexible conductive disc electrode Patent
[NASA-CASE-FRC-10029] c 09 N71-24618
- ELECTROPLATING**
- Method of plating copper on aluminum Patent
[NASA-CASE-XLA-08966-1] c 17 N71-25903
- Method of making shielded flat cable Patent
[NASA-CASE-MFS-13687] c 09 N71-28691
- Method and apparatus for sputtering utilizing an apertured electrode and a pulsed substrate bias
[NASA-CASE-LEW-10920-1] c 17 N73-24569
- Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-2] c 44 N81-29524
- Method of forming oxide coatings --- for solar collector heating panels
[NASA-CASE-LEW-11312-1] c 27 N83-29388
- ELECTROSTATIC CHARGE**
- Electrostatic charged particle analyzer having deflection members shaped according to the pendic voltage applied thereto Patent
[NASA-CASE-XAC-05506-1] c 24 N71-16095
- Electrostatic measurement system --- for contact-electrifying a dielectric
[NASA-CASE-MFS-22129-1] c 33 N75-18477
- Use of glow discharge in fluidized beds
[NASA-CASE-ARC-11245-1] c 28 N82-18401
- ELECTROSTATIC ENGINES**
- Colloid propulsion method and apparatus Patent
[NASA-CASE-XLE-00817] c 28 N70-33265
- Ion thruster cathode Patent Application
[NASA-CASE-LEW-10814-1] c 28 N70-35422
- Ion rocket Patent
[NASA-CASE-XLE-00376] c 28 N70-37245
- Electrostatic ion rocket engine Patent
[NASA-CASE-XLE-02066] c 28 N71-15661
- ELECTROSTATIC GENERATORS**
- Electrostatic plasma modulator for space vehicle re-entry communication Patent
[NASA-CASE-XLA-01400] c 07 N70-41331
- ELECTROSTATIC PRECIPITATORS**
- Fine particulate capture device
[NASA-CASE-LEW-11583-1] c 35 N79-17192
- Small conductive particle sensor --- microfiber size determination
[NASA-CASE-LAR-12552-1] c 35 N82-11431
- ELECTROSTATIC PROBES**
- Apparatus for field strength measurement of a space vehicle Patent
[NASA-CASE-XLE-00820] c 14 N71-16014
- Liquid-immersible electrostatic ultrasonic transducer
[NASA-CASE-LAR-12465-1] c 33 N82-26572
- ELECTROSTATIC PROPULSION**
- Electrostatic thruster with improved insulators Patent
[NASA-CASE-XLE-01902] c 28 N71-10574
- Annular slit colloid thruster Patent
[NASA-CASE-GSC-10709-1] c 28 N71-25213
- ELECTROSTATIC SHIELDING**
- Ion beam thruster shield
[NASA-CASE-LEW-12082-1] c 20 N77-10148
- Shielded conductor cable system
[NASA-CASE-MSC-12745-1] c 33 N81-27397
- High voltage isolation transformer
[NASA-CASE-GSC-12817-1] c 33 N83-29590
- ELECTROSTATICS**
- Controllable high voltage source having fast settling time
[NASA-CASE-GSC-11844-1] c 33 N75-19522
- Closed loop electrostatic system
[NASA-CASE-NPO-15553-1] c 33 N83-12335
- ELECTROTHERMAL ENGINES**
- Electro-thermal rocket Patent
[NASA-CASE-XLE-00267] c 28 N70-33356
- Electrothermal rockets having improved heat exchangers Patent
[NASA-CASE-XLE-01783] c 28 N70-34175
- ELEVATION**
- Optical tracking mount Patent
[NASA-CASE-MFS-14017] c 14 N71-26627
- Emergency escape system Patent
[NASA-CASE-XKS-07814] c 15 N71-27067
- Elevated waterproof access floor system and method of making the same
[NASA-CASE-ARC-11363-1] c 31 N83-28281
- ELEVATORS (LIFTS)**
- Centrifuge mounted motion simulator Patent
[NASA-CASE-XAC-00399] c 11 N70-34815
- Cable stabilizer for open shaft cable operated elevators
[NASA-CASE-KSC-10513] c 15 N72-25453
- ELEVONS**
- High speed flight vehicle control Patent
[NASA-CASE-XLA-08967] c 02 N71-27088
- ELLIPSES**
- Ellipsograph for pantograph Patent
[NASA-CASE-XLA-03102] c 14 N71-21079
- ELLIPSOIDAL**
- Remote sensing of vegetation and soil using microwave ellipsometry
[NASA-CASE-GSC-11976-1] c 43 N78-10529
- ELONGATION**
- Strain gauge measuring techniques Patent
[NASA-CASE-XGS-04478] c 14 N71-24233
- Amplifying ribbon extensometer
[NASA-CASE-LAR-11825-1] c 35 N77-22449
- ELUTION**
- Amino acid analysis
[NASA-CASE-NPO-12130-1] c 25 N75-14844

Electrophoretic fractional elution apparatus employing a rotational seal fraction collector
[NASA-CASE-MFS-23284-1] c 37 N80-14397

EMERGENCIES

Silent emergency alarm system for schools and the like
[NASA-CASE-NPO-11307-1] c 10 N73-30205

Emergency space-suit helmet
[NASA-CASE-MSC-10954-1] c 54 N78-18761

EMERGENCY BREATHING TECHNIQUES

Resuscitation apparatus Patent
[NASA-CASE-XMS-01115] c 05 N70-39922

EMERGENCY LIFE SUSTAINING SYSTEMS

Orbital escape device Patent
[NASA-CASE-XMS-06162] c 31 N71-28851

Emergency lunar communications system
[NASA-CASE-MFS-21042] c 07 N72-25171

Emergency descent device
[NASA-CASE-MFS-23074-1] c 54 N77-21844

EMISSION SPECTRA

Spectral method for monitoring atmospheric contamination of inert-gas welding shields Patent
[NASA-CASE-XMF-02039] c 15 N71-15871

EMITTANCE

Process for applying black coating to metals Patent
[NASA-CASE-XLA-06199] c 15 N71-24875

EMITTERS

Coaxial inverted geometry transistor having buried emitter
[NASA-CASE-ARC-10330-1] c 09 N73-32112

EMULSIONS

Apparatus for obtaining isotropic irradiation of a specimen
[NASA-CASE-MFS-20095] c 24 N72-11595

ENAMELS

Refractory porcelain enamel passive control coating for high temperature alloys
[NASA-CASE-MFS-22324-1] c 27 N75-27160

ENCAPSULATING

Bacteriostatic conformal coating and methods of application Patent
[NASA-CASE-GSC-10007] c 18 N71-16046

Flexible, repairable, portable material for electrical connectors Patent
[NASA-CASE-XGS-05180] c 18 N71-25881

Orifice gross leak tester Patent
[NASA-CASE-ERC-10150] c 14 N71-28992

Solar cell matrix
[NASA-CASE-NPO-11190] c 03 N71-34044

Method of making encapsulated solar cell modules
[NASA-CASE-LEW-12185-1] c 44 N78-25528

Total immersion crystal growth — using a melt covered with an encapsulating fluid
[NASA-CASE-NPO-15800-1] c 76 N83-15149

ENCLOSURES

Radio frequency shielded enclosure Patent
[NASA-CASE-XMF-09422] c 07 N71-19436

Totally confined explosive welding
[NASA-CASE-LAR-10941-2] c 37 N79-13364

ENDOSCOPES

Borescope with variable angle scope
[NASA-CASE-MFS-15162] c 14 N72-32452

Apparatus for endoscopic examination — analysis of the propulsion system configuration and transmitter
[NASA-CASE-NPO-14092-1] c 52 N80-16725

ENDOTHERMIC REACTIONS

Ablation sensor
[NASA-CASE-XLA-01781] c 14 N69-39975

ENEMY PERSONNEL

Intruder detection system
[NASA-CASE-ARC-10097-2] c 07 N73-25160

ENERGY ABSORPTION

Non-reusable kinetic energy absorber Patent
[NASA-CASE-XLE-00810] c 15 N70-34861

Energy absorbing structure Patent Application
[NASA-CASE-MSC-12279-1] c 15 N70-35679

Apparatus for absorbing and measuring power Patent
[NASA-CASE-XLE-00720] c 14 N70-40201

Shock absorber Patent
[NASA-CASE-XMS-03722] c 15 N71-21530

Energy absorbing device Patent
[NASA-CASE-XMF-10040] c 15 N71-22877

Suspended mass impact damper Patent
[NASA-CASE-LAR-10193-1] c 15 N71-27146

Energy absorption device Patent
[NASA-CASE-XNP-01848] c 15 N71-28959

Impact energy absorbing system utilizing fractureable material
[NASA-CASE-NPO-10671] c 15 N72-20443

Docking structure for spacecraft
[NASA-CASE-MFS-20863] c 31 N73-26876

Metal shearing energy absorber
[NASA-CASE-HQN-10638-1] c 15 N73-30460

ENERGY CONSERVATION

Remote platform power conserving system
[NASA-CASE-GSC-11182-1] c 15 N75-13007

A simplified power factor controller with increased energy saving circuit
[NASA-CASE-MFS-25323-1] c 33 N82-12349

Energy saving electrical motor control system
[NASA-CASE-MFS-25560-1] c 33 N82-30472

System for indicating fuel-efficient aircraft altitude
[NASA-CASE-NPO-15351-2] c 06 N83-17536

ENERGY CONVERSION

Two-fluid magnetohydrodynamic system and method for thermal-electric power conversion Patent
[NASA-CASE-XNP-00644] c 03 N70-36803

Device for directionally controlling electromagnetic radiation Patent
[NASA-CASE-XLE-01716] c 09 N70-40234

Electromagnetic wave energy converter
[NASA-CASE-GSC-11394-1] c 09 N73-32109

Electric power generation system directory from laser power
[NASA-CASE-NPO-13308-1] c 36 N75-30524

Mechanical thermal motor
[NASA-CASE-MFS-23062-1] c 37 N77-12402

Low to high temperature energy conversion system
[NASA-CASE-NPO-13510-1] c 44 N77-32581

Solar energy collection system
[NASA-CASE-NPO-13810-1] c 44 N77-32582

ENERGY CONVERSION EFFICIENCY

Node thermionic energy converter
[NASA-CASE-XLE-01015] c 03 N69-39898

Energy conversion apparatus Patent
[NASA-CASE-XLE-00212] c 03 N70-34134

Electronic amplifier with power supply switching Patent
[NASA-CASE-XMS-00945] c 09 N71-10798

Energy storage apparatus
[NASA-CASE-GSC-12030-1] c 44 N78-24608

Method of construction of a multi-cell solar array
[NASA-CASE-MFS-23540-1] c 44 N79-26475

Self-reconfiguring solar cell system
[NASA-CASE-LEW-12586-1] c 44 N80-14472

MHD electrical generator
[NASA-CASE-NPO-15399-1] c 75 N82-24079

Efficiency of silicon solar cells containing chromium
[NASA-CASE-NPO-15179-1] c 44 N82-26777

Chalcogenophosphate photoelectrodes
[NASA-CASE-LAR-12958-1] c 44 N83-18025

Power control for ac motor
[NASA-CASE-MFS-25862] c 33 N83-28329

Thermionic energy converters
[NASA-CASE-LEW-12443-1] c 44 N83-32175

ENERGY DISSIPATION

Frangible tube energy dissipation Patent
[NASA-CASE-XLA-00754] c 15 N70-34850

Wingtip vortex dissipator for aircraft
[NASA-CASE-LAR-11645-1] c 02 N77-10001

Motion restraining device
[NASA-CASE-NPO-13619-1] c 37 N78-16369

ENERGY DISTRIBUTION

Method and apparatus for measurement of trap density and energy distribution in dielectric films
[NASA-CASE-NPO-13443-1] c 76 N76-20994

Spatial energy distribution — scanning a tunable diode laser beam automatically
[NASA-CASE-LAR-12631-1] c 35 N82-18557

ENERGY LEVELS

High resolution threshold photoelectron spectroscopy by electron attachment
[NASA-CASE-NPO-14078-1] c 72 N80-14877

A low energy electron magnetometer
[NASA-CASE-LAR-12706-1] c 35 N81-19428

ENERGY POLICY

Solar energy power system
[NASA-CASE-MFS-21628-2] c 44 N76-23675

Thermal energy storage system — operating on superheating of liquids
[NASA-CASE-MFS-23167-1] c 44 N76-31667

Mount for continuously orienting a collector dish in a system adapted to perform both diurnal and seasonal solar tracking
[NASA-CASE-MFS-23267-1] c 35 N77-20401

Lightweight reflector assembly
[NASA-CASE-NPO-13707-1] c 74 N77-28933

Solar photolysis of water
[NASA-CASE-NPO-13675-1] c 44 N77-32580

Selective coating for solar panels — using black chrome and black nickel
[NASA-CASE-LEW-12159-1] c 44 N78-19599

Solar pond
[NASA-CASE-NPO-13581-2] c 44 N78-31525

Non-tracking solar energy collector system
[NASA-CASE-NPO-13813-1] c 44 N78-31526

Coal desulfurization process
[NASA-CASE-NPO-13937-1] c 44 N78-31527

Primary reflector for solar energy collection systems
[NASA-CASE-NPO-13579-4] c 44 N79-14529

Primary reflector for solar energy collection systems and method of making same
[NASA-CASE-NPO-13579-3] c 44 N79-24432

Solar energy collection system
[NASA-CASE-NPO-13579-2] c 44 N79-24433

Combined solar collector and energy storage system
[NASA-CASE-LAR-12205-1] c 44 N80-20810

Wind wheel electric power generator
[NASA-CASE-MFS-23515-1] c 44 N80-21828

Induced junction solar cell and method of fabrication
[NASA-CASE-NPO-13786-1] c 44 N80-29835

Solar energy receiver for a Stirling engine
[NASA-CASE-NPO-14619-1] c 44 N81-17518

Copper doped polycrystalline silicon solar cell
[NASA-CASE-NPO-14670-1] c 44 N81-19558

Supercritical multicomponent solvent coal extraction
[NASA-CASE-NPO-15767-1] c 28 N82-12241

Solar heated fluidized bed gasification system
[NASA-CASE-NPO-15071-1] c 44 N82-16475

ENERGY SOURCES

Passive synchronized spike generator with high input impedance and low output impedance and capacitor power supply Patent
[NASA-CASE-XGS-03632] c 09 N71-23311

Controllable high voltage source having fast settling time
[NASA-CASE-GSC-11844-1] c 33 N75-19522

Wingtip vortex turbine
[NASA-CASE-LAR-12544-1] c 07 N81-27096

ENERGY STORAGE

Switching mechanism with energy storage means Patent
[NASA-CASE-XGS-00473] c 03 N70-38713

Stored charge transistor
[NASA-CASE-NPO-11156-2] c 33 N75-31331

Mechanical energy storage device for hip disarticulation
[NASA-CASE-ARC-10918-1] c 52 N78-10686

Energy storage apparatus
[NASA-CASE-GSC-12030-1] c 44 N78-24608

Rotatable mass for a flywheel
[NASA-CASE-MFS-23051-1] c 37 N79-10422

Combined solar collector and energy storage system
[NASA-CASE-LAR-12205-1] c 44 N80-20810

Atomic hydrogen storage method and apparatus
[NASA-CASE-LEW-12081-3] c 28 N81-14103

ENERGY TECHNOLOGY

Solar energy collection system
[NASA-CASE-NPO-13810-1] c 44 N77-32582

Method for producing solar energy panels by automation
[NASA-CASE-LEW-12541-1] c 44 N78-25529

Hydrogen-fueled engine
[NASA-CASE-NPO-13763-1] c 44 N78-33526

Surfactant-assisted liquefaction of particulate carbonaceous substances
[NASA-CASE-NPO-13904-1] c 25 N79-11152

Back wall solar cell
[NASA-CASE-LEW-12236-2] c 44 N79-14528

Solar cell module assembly jig
[NASA-CASE-XGS-00829-1] c 44 N79-19447

Solar energy collection system
[NASA-CASE-NPO-13579-2] c 44 N79-24433

Solar concentrator
[NASA-CASE-MFS-23727-1] c 44 N80-14473

Method for forming a solar array strip
[NASA-CASE-NPO-13652-3] c 44 N80-14474

ENERGY TRANSFER

Solar energy absorber
[NASA-CASE-MFS-22743-1] c 44 N76-22657

ENGINE ANALYZERS

Indicated mean-effective pressure instrument
[NASA-CASE-LEW-12661-1] c 35 N79-14345

ENGINE CONTROL

Regenerative braking system Patent
[NASA-CASE-XMF-01096] c 10 N71-16030

Integrated lift/drag controller for aircraft
[NASA-CASE-ARC-10456-1] c 05 N75-12930

Power control for hot gas engines
[NASA-CASE-NPO-14220-1] c 37 N81-14318

Apparatus for sensor failure detection and correction in a gas turbine engine control system
[NASA-CASE-LEW-12907-2] c 07 N81-19115

Control means for a gas turbine engine
[NASA-CASE-LEW-14588-1] c 07 N83-31603

ENGINE COOLANTS

Injector-valve device Patent
[NASA-CASE-XLE-00303] c 15 N70-36535

Injector for bipropellant rocket engines Patent
[NASA-CASE-XMF-00148] c 28 N70-38710

ENGINE DESIGN

Gas turbine combustion apparatus Patent
[NASA-CASE-XLE-103477-1] c 28 N71-20330

Construction and method of arranging a plurality of ion engines to form a cluster Patent
[NASA-CASE-XNP-02923] c 28 N71-23081

- Space vehicle system
[NASA-CASE-MSC-12561-1] c 18 N76-17185
- Solid propellant motor
[NASA-CASE-NPO-11458A] c 20 N78-32179
- Hydrogen-fueled engine
[NASA-CASE-NPO-13763-1] c 44 N78-33526
- Method and apparatus for rapid thrust increases in a turbofan engine
[NASA-CASE-LEW-12971-1] c 07 N80-18039
- Free-piston regenerative hot gas hydraulic engine
[NASA-CASE-LEW-12274-1] c 37 N80-31790
- Phase-angle controller for Stirling engines
[NASA-CASE-NPO-14388-1] c 37 N81-17432
- Hot gas engine with dual crankshafts
[NASA-CASE-NPO-14221-1] c 37 N81-25370
- Solar engine
[NASA-CASE-LAR-12148-1] c 44 N82-24640
- ENGINE FAILURE**
System for monitoring the presence of neutrals in a stream of ions Patent
[NASA-CASE-XNP-02592] c 24 N71-20518
- ENGINE INLETS**
Variably positioned guide vanes for aerodynamic choking
[NASA-CASE-LAR-10642-1] c 07 N74-31270
- The engine air intake system
[NASA-CASE-ARC-10761-1] c 07 N77-18154
- Self stabilizing sonic inlet
[NASA-CASE-LEW-11890-1] c 05 N79-24976
- ENGINE MONITORING INSTRUMENTS**
System for monitoring the presence of neutrals in a stream of ions Patent
[NASA-CASE-XNP-02592] c 24 N71-20518
- ENGINE NOISE**
Variably positioned guide vanes for aerodynamic choking
[NASA-CASE-LAR-10642-1] c 07 N74-31270
- Variable thrust nozzle for quiet turbofan engine and method of operating same
[NASA-CASE-LEW-12317-1] c 07 N78-17055
- Multiple pure tone elimination strut assembly --- air breathing engines
[NASA-CASE-FRC-11062-1] c 71 N82-16800
- Noise suppressor for turbo fan jet engines
[NASA-CASE-ARC-10812-1] c 07 N83-33884
- ENGINE PARTS**
Gas turbine engine with convertible accessories
[NASA-CASE-LEW-12390-1] c 07 N78-17056
- Gas path seal
[NASA-CASE-NPO-12131-3] c 37 N80-18400
- Heat pipes to reduce engine exhaust emissions
[NASA-CASE-LEW-12590-1] c 25 N81-19245
- Method of protecting a surface with a silicon-slurry/aluminide coating --- coatings for gas turbine engine blades and vanes
[NASA-CASE-LEW-13343-1] c 27 N82-28441
- ENGINE STARTERS**
Portable device for use in starting air-start-units for aircraft and having cable lead testing capability
[NASA-CASE-FRC-10113-1] c 33 N80-26599
- ENGINE TESTS**
Electric propulsion engine test chamber Patent
[NASA-CASE-XLE-00252] c 11 N70-34844
- ENGINEERING DRAWINGS**
High-temperature, high-pressure spherical segment valve Patent
[NASA-CASE-XAC-00074] c 15 N70-34817
- Lifting body Patent Application
[NASA-CASE-FRC-10063] c 01 N71-12217
- Optical communications system Patent
[NASA-CASE-XLA-01090] c 07 N71-12389
- Method of making a molded connector Patent
[NASA-CASE-XMF-03498] c 15 N71-15986
- ENTHALPY**
Enthalpy and stagnation temperature determination of a high temperature laminar flow gas stream Patent
[NASA-CASE-XLE-00266] c 14 N70-34156
- ENTRAINMENT**
Water separator
[NASA-CASE-XMS-01295-1] c 37 N79-21345
- ENUMERATION**
Apparatus and process for microbial detection and enumeration
[NASA-CASE-LAR-12709-1] c 35 N82-28604
- ENVIRONMENT SIMULATION**
Skeletal stressing method and apparatus Patent
[NASA-CASE-ARC-10100-1] c 05 N71-24738
- Locomotion and restraint aid Patent
[NASA-CASE-ARC-10153] c 05 N71-28619
- ENVIRONMENT SIMULATORS**
Space simulator Patent
[NASA-CASE-NPO-10141] c 11 N71-24964
- ENVIRONMENTAL CONTROL**
Portable environmental control system Patent
[NASA-CASE-XMS-09632-1] c 05 N71-11203
- Portable superclean air column device Patent
[NASA-CASE-XMF-03212] c 15 N71-22721
- Thermal control panel Patent
[NASA-CASE-XLA-07728] c 33 N71-22890
- Dual solid cryogenics for spacecraft refrigeration Patent
[NASA-CASE-GSC-10188-1] c 23 N71-24725
- Active vibration isolator for flexible bodies Patent
[NASA-CASE-LAR-10106-1] c 15 N71-27169
- Autoignition test cell Patent
[NASA-CASE-KSC-10198] c 11 N71-28629
- Universal environment package with sectional component housing
[NASA-CASE-KSC-10031] c 15 N72-22486
- Air conditioned suit
[NASA-CASE-LAR-10076-1] c 05 N73-20137
- Dual stage check valve
[NASA-CASE-MSC-13587-1] c 15 N73-30459
- Space vehicle with artificial gravity and earth-like environment
[NASA-CASE-LEW-11101-1] c 31 N73-32750
- ENVIRONMENTAL ENGINEERING**
Thermal control wall panel Patent
[NASA-CASE-XLA-01243] c 33 N71-22792
- ENVIRONMENTAL MONITORING**
System for real-time crustal deformation monitoring
[NASA-CASE-NPO-14124-1] c 46 N80-14603
- ENVIRONMENTAL TESTS**
Multiple environment materials test chamber having a multiple port X-ray tube for irradiating a plurality of samples Patent
[NASA-CASE-XMS-02930] c 11 N71-23042
- Hard space suit Patent
[NASA-CASE-XAC-07043] c 05 N71-23161
- Flammability test chamber Patent
[NASA-CASE-KSC-10126] c 11 N71-24985
- Multi axes vibration fixtures
[NASA-CASE-MFS-20242] c 14 N73-19421
- Fixture for environmental exposure of structural materials under compression load
[NASA-CASE-LAR-12602-1] c 39 N83-32081
- ENVIRONMENTS**
Hermetically sealed elbow actuator
[NASA-CASE-MFS-14710] c 09 N72-22195
- ENZYME ACTIVITY**
Use of the enzyme hexokinase for the reduction of inherent light levels
[NASA-CASE-XGS-05533] c 04 N69-27487
- Method of detecting and counting bacteria in body fluids
[NASA-CASE-GSC-11092-2] c 04 N73-27052
- ENZYMES**
Protein sterilization method of firefly luciferase using reduced pressure and molecular sieves
[NASA-CASE-GSC-10225-1] c 06 N73-27086
- EPICYCLOIDS**
Sequencing device utilizing planetary gear set
[NASA-CASE-MSC-19514-1] c 37 N79-20377
- EPITAXY**
Method for the preparation of inorganic single crystal and polycrystalline electronic materials
[NASA-CASE-XLE-02545-1] c 76 N79-21910
- Epitaxial thinning process
[NASA-CASE-NPO-15786-1] c 25 N82-26397
- Method of making macrocrystalline or single crystal semiconductive material and products produced thereby --- epitaxial substrates using low melting materials for photovoltaic cells
[NASA-CASE-NPO-15904-1] c 76 N83-21993
- EPOXY COMPOUNDS**
Synthesis of siloxane-containing epoxy polymers Patent
[NASA-CASE-MFS-13994-1] c 06 N71-11240
- Siloxane containing epoxide compounds
[NASA-CASE-MFS-13994-2] c 06 N72-25148
- Fire protection covering for small diameter missiles
[NASA-CASE-ARC-11104-1] c 15 N79-26100
- Antenna grout replacement system
[NASA-CASE-NPO-15202-1] c 27 N83-34043
- EPOXY RESINS**
Non-magnetic battery case Patent
[NASA-CASE-XGS-00886] c 03 N71-11053
- Sealing device for an electrochemical cell Patent
[NASA-CASE-XGS-02630] c 03 N71-22974
- Hydroforming techniques using epoxy molds Patent
[NASA-CASE-XLE-05641-1] c 15 N71-26346
- Pressure sensitive transducers Patent
[NASA-CASE-ERC-10087] c 14 N71-27334
- Epoxy-azidine polymer product Patent
[NASA-CASE-NPO-10701] c 06 N71-28620
- Method of repairing discontinuity in fiberglass structures
[NASA-CASE-LAR-10416-1] c 24 N74-30001
- Transparent fire resistant polymers structures
[NASA-CASE-ARC-10813-1] c 27 N76-16230
- Curing agent for polyepoxides and epoxy resins and composites cured therewith --- preventing carbon fiber release
[NASA-CASE-LEW-13226-1] c 27 N81-17260
- Universal connectors for joining stringers
[NASA-CASE-LAR-12744-1] c 37 N81-31551
- Fluoroether modified epoxy composites
[NASA-CASE-ARC-11418-1] c 24 N83-17603
- Toughening reinforced epoxy composites with brominated polymers additives
[NASA-CASE-ARC-11427-1] c 24 N83-25791
- Method of neutralizing the corrosive surface of amine-cured epoxy resins
[NASA-CASE-GSC-12686-1] c 27 N83-34039
- EQUATIONS OF MOTION**
Kinematic method and apparatus
[NASA-CASE-MSC-18929-1] c 39 N83-20280
- EQUIPMENT**
Bimetallic fluid displacement apparatus --- for stirring and heating stored gases and liquids
[NASA-CASE-ARC-10441-1] c 35 N74-15126
- Apparatus for supplying conditioned air at a substantially constant temperature and humidity
[NASA-CASE-GSC-12191-1] c 31 N80-32583
- EQUIPMENT SPECIFICATIONS**
Differential pressure cell Patent
[NASA-CASE-XAC-00042] c 14 N70-34816
- High-temperature, high-pressure spherical segment valve Patent
[NASA-CASE-XAC-00074] c 15 N70-34817
- Optical torquemeter Patent
[NASA-CASE-XLE-00503] c 14 N70-34818
- Magnetically centered liquid column float Patent
[NASA-CASE-XAC-00030] c 14 N70-34820
- Electric propulsion engine test chamber Patent
[NASA-CASE-XLE-00252] c 11 N70-34844
- Channel-type shell construction for rocket engines and the like Patent
[NASA-CASE-XLE-00144] c 28 N70-34860
- Non-reusable kinetic energy absorber Patent
[NASA-CASE-XLE-00810] c 15 N70-34861
- Slit regulated gas journal bearing Patent
[NASA-CASE-XNP-00476] c 15 N70-38620
- Optical communications system Patent
[NASA-CASE-XLA-01090] c 07 N71-12389
- Stretching Patent
[NASA-CASE-XMF-06589] c 05 N71-23159
- Rocket thrust throttling system
[NASA-CASE-LEW-10374-1] c 28 N73-13773
- Process for making diamonds
[NASA-CASE-MFS-20698-2] c 15 N73-19457
- Anti-buckling fatigue test assembly --- for subjecting metal specimen to tensile and compressive loads at constant temperature
[NASA-CASE-LAR-10426-1] c 09 N74-19528
- Apparatus for conducting flow electrophoresis in the substantial absence of gravity
[NASA-CASE-MFS-21394-1] c 34 N74-27744
- Thermocouple tape --- developed from thermoelectrically different metals
[NASA-CASE-LEW-11072-2] c 35 N78-15434
- Field effect transistor and method of construction thereof
[NASA-CASE-MFS-23312-1] c 33 N78-27326
- Constant magnification optical tracking system
[NASA-CASE-NPO-14813-1] c 74 N82-24072
- EQUIPOTENTIALS**
Equipotential space suit Patent
[NASA-CASE-LAR-10007-1] c 05 N71-11195
- Instrument for measuring potentials on two dimensional electric field plots Patent
[NASA-CASE-XLA-08493] c 10 N71-19421
- ERGOMETERS**
Restraint system for ergometer
[NASA-CASE-MFS-21046-1] c 14 N73-27377
- Ergometer
[NASA-CASE-MFS-21109-1] c 05 N73-27941
- Tilting table for ergometer and for other biomedical devices
[NASA-CASE-MFS-21010-1] c 05 N73-30078
- Foot pedal operated fluid type exercising device
[NASA-CASE-MSC-11561-1] c 05 N73-32014
- Ergometer calibrator --- for any ergometer utilizing rotating shaft
[NASA-CASE-MFS-21045-1] c 35 N75-15932
- EROSION**
Thermal shock and erosion resistant tantalum carbide ceramic material
[NASA-CASE-LAR-11902-1] c 27 N78-17206
- ERROR ANALYSIS**
Program for computer aided reliability estimation
[NASA-CASE-NPO-13086-1] c 15 N73-12495
- Bit error rate measurement above and below bit rate tracking threshold
[NASA-CASE-MSC-12743-1] c 32 N79-10263

ERROR CORRECTING CODES

ERROR CORRECTING CODES

Error correction method and apparatus for electronic tapepieces
[NASA-CASE-LAR-12654-1] c 33 N83-36357

ERROR CORRECTING DEVICES

Automatic fault correction system for parallel signal channels Patent
[NASA-CASE-XNP-03263] c 09 N71-18843
Elimination of frequency shift in a multiplex communication system Patent
[NASA-CASE-XNP-01306] c 07 N71-20814
Error correcting method and apparatus Patent
[NASA-CASE-XNP-02748] c 08 N71-22749
Failure detection and control means for improved drift performance of a gimbalized platform system
[NASA-CASE-MFS-23551-1] c 04 N76-26175
Guide for a typewriter
[NASA-CASE-MFS-15218-1] c 37 N77-19457
A self-correcting electronically scanned pressure sensor
[NASA-CASE-LAR-12686-1] c 09 N81-27121

ERROR DETECTION CODES

Self-testing and repairing computer Patent
[NASA-CASE-NPO-10567] c 08 N71-24633

ERROR SIGNALS

Automatic fault correction system for parallel signal channels Patent
[NASA-CASE-XNP-03263] c 09 N71-18843
Sampled data controller Patent
[NASA-CASE-GSC-10554-1] c 08 N71-29033
Bit error rate measurement above and below bit rate tracking threshold
[NASA-CASE-MSC-12743-1] c 32 N79-10263
Apparatus and method for tracking the fundamental frequency of an analog input signal
[NASA-CASE-ARC-11367-1] c 33 N83-21238
Tnac failure detector
[NASA-CASE-MFS-25607-1] c 33 N83-34190

ERRORS

Analog-to-digital converter
[NASA-CASE-MSC-13110-1] c 08 N72-22163

ESCAPE CAPSULES

Aerial capsule emergency separation device Patent
[NASA-CASE-XLA-00115] c 03 N70-33343
Emergency escape system Patent
[NASA-CASE-XKS-02342] c 05 N71-11199
Emergency earth orbital escape device
[NASA-CASE-MSC-13281] c 31 N72-18859

ESCAPE SYSTEMS

Emergency escape system Patent
[NASA-CASE-MSC-12086-1] c 05 N71-12345
Emergency escape system Patent
[NASA-CASE-XKS-07814] c 15 N71-27067
Explosively activated egress area
[NASA-CASE-LAR-12624-1] c 01 N83-35992

ESCHERICHIA

Method for detecting coliform organisms
[NASA-CASE-ARC-11322-1] c 51 N83-28849

ESTERS

Fluorinated esters of polycarboxylic acids
[NASA-CASE-MFS-21040-1] c 06 N73-30098

ETCHING

Masking device Patent
[NASA-CASE-XNP-02092] c 15 N70-42033
Method for etching copper Patent
[NASA-CASE-XGS-06306] c 17 N71-16044
High resolution developing of photosensitive resists Patent
[NASA-CASE-XGS-04993] c 14 N71-17574
Etching of aluminum for bonding Patent
[NASA-CASE-XMF-02303] c 17 N71-23828
Selective plating of etched circuits without removing previous plating Patent
[NASA-CASE-XGS-03120] c 15 N71-24047
Plating nickel on aluminum castings Patent
[NASA-CASE-XNP-04148] c 17 N71-24830
Scanning nozzle plating system — for etching or plating metals on substrates without masking
[NASA-CASE-NPO-11758-1] c 31 N74-23065
Method for applying photographic resists to otherwise incompatible substrates
[NASA-CASE-MSC-18107-1] c 27 N81-25209
Method of making V-MOS field effect transistors utilizing a two-step anisotropic etching and ion implantation
[NASA-CASE-GSC-12515-1] c 33 N81-26360
Liquid immersion apparatus for minute articles
[NASA-CASE-MFS-25363-1] c 37 N82-12441
Controlled in situ etch-back
[NASA-CASE-NPO-15625-1] c 76 N83-20789

ETHANE

The 1,1,1-triary-2,2,2-trifluoroethanes and process for their synthesis
[NASA-CASE-ARC-11097-1] c 25 N82-24312

ETHERS

Method of producing alternating ether siloxane copolymers Patent
[NASA-CASE-XMF-02584] c 06 N71-20905
Hydroxy terminated perfluoro ethers Patent
[NASA-CASE-NPO-10768] c 06 N71-27254
Polyurethane resins from hydroxy terminated perfluoro ethers
[NASA-CASE-NPO-10768-2] c 06 N72-27144
Process of treating cellulosic membrane and alkaline with membrane separator
[NASA-CASE-GSC-10019-1] c 44 N82-24641
Separator for alkaline electric cells and method of making
[NASA-CASE-GSC-10017-1] c 44 N82-24643
Fluoroether modified epoxy composites
[NASA-CASE-ARC-11418-1] c 24 N83-17603
Polyphenylene ethers with imide linking groups
[NASA-CASE-LAR-12980-1] c 27 N83-21143
Toughening reinforced epoxy composites with brominated polymers additives
[NASA-CASE-ARC-11427-1] c 24 N83-25791

ETHYL COMPOUNDS

Precision heat forming of tetrafluoroethylene tubing
[NASA-CASE-MSC-18430-1] c 37 N82-24491

ETHYLENE OXIDE

Process for preparing sterile solid propellants Patent
[NASA-CASE-XNP-01749] c 27 N70-41897
Processing for producing a sterilized instrument Patent
[NASA-CASE-XNP-09763] c 14 N71-20461
System for sterilizing objects — cleaning space vehicle systems
[NASA-CASE-KSC-11085-1] c 54 N81-24724

EUTECTIC ALLOYS

Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
[NASA-CASE-GSC-11577-1] c 37 N75-15892
Method of growing composites of the type exhibiting the Soret effect — improved structure of eutectic alloy crystals
[NASA-CASE-MFS-22926-1] c 24 N77-27187
Directionally solidified eutectic gamma plus beta nickel-base superalloys
[NASA-CASE-LEW-12906-1] c 26 N77-32279
Directionally solidified eutectic gamma-gamma nickel-base superalloys
[NASA-CASE-LEW-12905-1] c 26 N78-18183
Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
[NASA-CASE-GSC-11577-3] c 24 N79-25143

EVACUATING (VACUUM)

Method for making a heat insulating and ablative structure
[NASA-CASE-XMS-01108] c 15 N69-24322
Evacuation port seal Patent
[NASA-CASE-XMF-03290] c 15 N71-23256
Leak detector wherein a probe is monitored with ultraviolet radiation Patent
[NASA-CASE-ERC-10034] c 15 N71-24896
Evacuated, displacement compression mold — of tubular bodies from thermosetting plastics
[NASA-CASE-LAR-10782-2] c 31 N75-13111

EVAPORATION

Evaporant holder
[NASA-CASE-XLA-03105] c 15 N69-27483

EVAPORATIVE COOLING

Tubular sublimatory evaporator heat sink
[NASA-CASE-ARC-10912-1] c 34 N77-19353

EVAPORATORS

Evaporant source for vapor deposition Patent
[NASA-CASE-XMF-06065] c 15 N71-20395
Deposition apparatus
[NASA-CASE-LAR-10541-1] c 15 N72-32487
Tower evaporator
[NASA-CASE-NPO-15609-1] c 25 N83-36119

EXAMINATION

Apparatus for use in examining the lattice of a semiconductor wafer by X-ray diffraction
[NASA-CASE-MFS-23315-1] c 76 N78-24950

EXCLUSION

Counter pumping debris excluder and separator — gas turbine shaft seals
[NASA-CASE-LEW-11855-1] c 07 N78-25090

EXHAUST GASES

Device for suppressing sound and heat produced by high-velocity exhaust jets Patent
[NASA-CASE-XMF-01813] c 28 N70-41582
Gas turbine exhaust nozzle — for noise reduction
[NASA-CASE-LEW-11569-1] c 07 N74-15453
Abating exhaust noises in jet engines
[NASA-CASE-ARC-10712-1] c 07 N74-33218
Exhaust flow deflector — for ducted gas flow
[NASA-CASE-LAR-11570-1] c 34 N76-18364
Gas turbine engine with recirculating bleed
[NASA-CASE-LEW-12452-1] c 07 N78-25089

SUBJECT INDEX

High performance ammonium nitrate propellant
[NASA-CASE-NPO-14260-1] c 28 N79-28342
Heat pipes to reduce engine exhaust emissions
[NASA-CASE-LEW-12590-1] c 25 N81-19245
Supercritical fuel injection system
[NASA-CASE-LEW-12990-1] c 07 N81-29129
Apparatus and method for destructive removal of particles contained in a flowing fluid
[NASA-CASE-NPO-15426-1] c 45 N83-20447

EXHAUST NOZZLES
Annular rocket motor and nozzle configuration Patent
[NASA-CASE-XLE-00078] c 28 N70-33284
Nozzle Patent
[NASA-CASE-XLA-00154] c 28 N70-33374
Penshape exhaust nozzle for supersonic engine Patent
[NASA-CASE-XLE-00057] c 28 N70-38711
Ejection unit Patent
[NASA-CASE-XNP-00676] c 15 N70-38996
Two dimensional wedge/translating shroud nozzle
[NASA-CASE-LAR-11919-1] c 07 N78-27121
Variable area exhaust nozzle
[NASA-CASE-LEW-12378-1] c 07 N79-14097
Apparatus and method for jet noise suppression
[NASA-CASE-LAR-11903-2] c 34 N82-20465
Noise suppressor for turbo fan jet engines
[NASA-CASE-ARC-10812-1] c 07 N83-33884

EXOTHERMIC REACTIONS
Ambient cure polyimide foams — thermal resistant foams
[NASA-CASE-ARC-11170-1] c 27 N79-11215
Exothermic furnace module
[NASA-CASE-MFS-25707-1] c 35 N82-26631
Thermal control system
[NASA-CASE-GSC-12771-1] c 34 N83-12361

EXPANDABLE STRUCTURES
Connector strips-positive, negative and T tabs
[NASA-CASE-XGS-01395] c 03 N69-21539
Reflector space satellite Patent
[NASA-CASE-XLA-00138] c 31 N70-37981
Foldable conduit Patent
[NASA-CASE-XLE-00620] c 32 N70-41579
Collapsible high gain antenna
[NASA-CASE-KSC-10392] c 07 N73-26117
Expandable space frames
[NASA-CASE-ERC-10365-1] c 31 N73-32749
Means for accommodating large overstrain in lead wires — by strong extra length of wire in stretchable loop
[NASA-CASE-LAR-10168-1] c 33 N74-22865
Antenna deployment mechanism for use with a spacecraft — extensible and retractable telescopic antenna mast
[NASA-CASE-GSC-12331-1] c 18 N80-14183
High production shuttle car system for coal mines
[NASA-CASE-NPO-15949-1] c 37 N83-20155

EXPANSION
Apparatus for measuring swelling characteristics of membranes
[NASA-CASE-XGS-03865] c 14 N69-21363
Method for alleviating thermal stress damage in laminates
[NASA-CASE-LEW-12493-2] c 24 N81-26179

EXPERIMENT DESIGN
Hydrofoil Patent
[NASA-CASE-XLA-00229] c 12 N70-33305
Sealed battery gas manifold construction Patent
[NASA-CASE-XNP-03378] c 03 N71-11051
Electrode construction Patent
[NASA-CASE-ARC-10043-1] c 05 N71-11183
G conditioning suit Patent
[NASA-CASE-XLA-02898] c 05 N71-20268
Hard space suit Patent
[NASA-CASE-XAC-07043] c 05 N71-23161

EXPIRED AIR
Metabolic rate meter and method
[NASA-CASE-MSC-12239-1] c 52 N79-21750

EXPLOSIONS
Combustion detector
[NASA-CASE-LAR-10739-1] c 14 N73-16484

EXPLOSIVE DEVICES
Tubular coupling having frangible connecting means
[NASA-CASE-XLA-02854] c 15 N69-27490
Hermetically sealed explosive release mechanism Patent
[NASA-CASE-XGS-00824] c 15 N71-16078
Nonmagnetic, explosive actuated indexing device Patent
[NASA-CASE-XGS-02422] c 15 N71-21529
Linear explosive comparison
[NASA-CASE-LAR-10800-1] c 33 N72-27959
Disconnect unit
[NASA-CASE-NPO-11330] c 33 N73-26958
Pressure limiting propellant actuating system
[NASA-CASE-MSC-18179-1] c 20 N80-18097
Slide release mechanism — for the external tank
[NASA-CASE-MSC-20080-1] c 37 N82-31688

EXPLOSIVE FORMING

Electrical discharge apparatus for forming Patent
[NASA-CASE-XMF-00375] c 15 N70-34249

EXPLOSIVE WELDING

Totally confined explosive welding --- apparatus to reduce noise level and protect personnel during explosive bonding
[NASA-CASE-LAR-10941-1] c 37 N74-21057

Method of making an explosively welded scarf joint
[NASA-CASE-LAR-11211-1] c 37 N75-12326

Totally confined explosive welding
[NASA-CASE-LAR-10941-2] c 37 N79-13364

EXPLOSIVES

Synthesis of superconducting compounds by explosive compaction of powders
[NASA-CASE-MFS-20861-1] c 18 N73-32437

Optically detonated explosive device
[NASA-CASE-NPO-11743-1] c 28 N74-27425

Electroexplosive device
[NASA-CASE-NPO-13858-1] c 28 N79-11231

EXPONENTIAL FUNCTIONS

Digital quasi-exponential function generator
[NASA-CASE-NPO-11130] c 08 N72-20176

EXPOSURE

Exposure interlock for oscilloscope cameras
[NASA-CASE-LAR-10319-1] c 14 N73-32322

Selective image area control of X-ray film exposure density
[NASA-CASE-NPO-13808-1] c 35 N78-15461

Method of and apparatus for double-exposure holographic interferometry
[NASA-CASE-MFS-25405-1] c 35 N81-27459

Fixture for environmental exposure of structural materials under compression load
[NASA-CASE-LAR-12602-1] c 39 N83-32081

EXPULSION BLADDERS

Expulsion bladder-equipped storage tank structure Patent
[NASA-CASE-XNP-00612] c 11 N70-38182

EXTENSIONS

Extensible cable support Patent
[NASA-CASE-XMF-07587] c 15 N71-18701

EXTENSOMETERS

Extensometer frame
[NASA-CASE-XLA-10322] c 15 N72-17452

Conductive elastomeric extensometer
[NASA-CASE-MFS-21049-1] c 52 N74-27864

Amplifying ribbon extensometer
[NASA-CASE-LAR-11825-1] c 35 N77-22449

Laser extensometer
[NASA-CASE-MFS-19259-1] c 36 N78-14380

EXTERNAL COMBUSTION ENGINES

Hot gas engine with dual crankshafts
[NASA-CASE-NPO-14221-1] c 37 N81-25370

EXTERNAL STORES

Decoupler pylon wing/store flutter suppressor
[NASA-CASE-LAR-12468-1] c 08 N82-32373

EXTERNAL TANKS

Slide release mechanism --- for the external tank
[NASA-CASE-MSC-20080-1] c 37 N82-31688

Space Shuttle with improved external propellant tank
[NASA-CASE-MFS-25853] c 16 N83-13149

EXTRACTION

Liquid-gas separation system Patent
[NASA-CASE-XMS-01624] c 15 N70-40062

Chassis unit insert tightening-extract device
[NASA-CASE-XMS-01077-1] c 37 N79-33467

EXTRAVEHICULAR ACTIVITY

Portable environmental control system Patent
[NASA-CASE-XMS-09632-1] c 05 N71-11203

Hand-held self-manuevering unit Patent
[NASA-CASE-XMS-05304] c 05 N71-12336

Serpentuator Patent
[NASA-CASE-XMF-05344] c 31 N71-16345

Fastener apparatus Patent
[NASA-CASE-ARC-10140-1] c 15 N71-17653

Extravehicular tunnel suit system Patent
[NASA-CASE-MSC-12243-1] c 05 N71-24728

Life support system
[NASA-CASE-MSC-12411-1] c 05 N72-20096

Space suit
[NASA-CASE-MSC-12609-1] c 05 N73-32012

Absorbent product and articles made therefrom
[NASA-CASE-MSC-18223-2] c 52 N82-26960

Spray applicator for spraying coatings and other fluids in space
[NASA-CASE-MSC-18852-1] c 37 N82-28640

EXTREMELY LOW RADIO FREQUENCIES

VHF/UHF parasitic probe antenna Patent
[NASA-CASE-XKS-09340] c 07 N71-24614

EXTRUDING

Extrusion can
[NASA-CASE-NPO-10812] c 15 N73-13464

Brazing alloy binder
[NASA-CASE-XMF-05868] c 26 N75-27125

Continuous coal processing method

[NASA-CASE-NPO-13758-2] c 31 N81-15154

EYE (ANATOMY)

Sight switch using an infrared source and sensor Patent
[NASA-CASE-XMF-03934] c 09 N71-22985

Ophthalmic method and apparatus
[NASA-CASE-LEW-11669-1] c 05 N73-27062

Corneal seal device
[NASA-CASE-LEW-12258-1] c 52 N77-28716

Intra-ocular pressure normalization technique and equipment
[NASA-CASE-LEW-12723-1] c 52 N80-18690

Chromatically corrected virtual image visual display --- reducing eye strain in flight simulators
[NASA-CASE-LAR-12251-1] c 74 N80-27185

EYE EXAMINATIONS

Visual examination apparatus
[NASA-CASE-ARC-10329-1] c 05 N73-26072

Multiparameter vision testing apparatus
[NASA-CASE-MSC-13601-2] c 54 N75-27759

Visual examination apparatus
[US-PATENT-RE-28,921] c 52 N76-30793

EYEPieces

Wide angle long eye relief eyepiece Patent
[NASA-CASE-XMS-06056-1] c 23 N71-24857

F

FABRICATION

Pressure variable capacitor
[NASA-CASE-XNP-09752] c 14 N69-21541

Method of making a regeneratively cooled combustion chamber Patent
[NASA-CASE-XLE-00150] c 28 N70-41818

Solar cell submodule Patent
[NASA-CASE-XNP-05821] c 03 N71-11056

Capacitor and method of making same Patent
[NASA-CASE-LEW-10364-1] c 09 N71-13522

Solar panel fabrication Patent
[NASA-CASE-XNP-03413] c 03 N71-26728

Method of forming a root cord restrained convolute section
[NASA-CASE-MSC-12398] c 05 N72-20098

Method of removing insulated material from insulated wires
[NASA-CASE-FRC-10038] c 15 N72-20444

Thin film temperature sensor and method of making same
[NASA-CASE-NPO-11775] c 26 N72-28761

Fabrication of polycrystalline solar cells on low-cost substrates
[NASA-CASE-GSC-12022-1] c 44 N78-28635

Lightweight reflector assembly
[NASA-CASE-NPO-13707-1] c 74 N77-28933

Process for spinning flame retardant elastomeric compositions --- fabricating synthetic fibers for high oxygen environments
[NASA-CASE-MSC-14331-3] c 27 N78-32262

Solar array strip and a method for forming the same
[NASA-CASE-NPO-13652-1] c 44 N79-17314

Method for fabricating solar cells having integrated collector gnts
[NASA-CASE-LEW-12819-2] c 44 N79-18444

Bonding machine for forming a solar array strip
[NASA-CASE-NPO-13652-2] c 44 N79-24431

Method for forming a solar array strip
[NASA-CASE-NPO-13652-3] c 44 N80-14474

Induced junction solar cell and method of fabrication
[NASA-CASE-NPO-13788-1] c 44 N80-29835

Copper doped polycrystalline silicon solar cell
[NASA-CASE-NPO-14870-1] c 44 N81-19558

Heat exchanger and method of making
[NASA-CASE-LEW-12441-3] c 44 N81-24519

Photoelectric detection system --- manufacturing automation
[NASA-CASE-MFS-23776-1] c 33 N82-28545

Method of fabricating Schottky Barrier solar cell
[NASA-CASE-NPO-13689-4] c 44 N82-28780

Advanced inorganic separators for alkaline batteries
[NASA-CASE-LEW-13171-1] c 44 N82-29708

Method of making a high voltage V-groove solar cell
[NASA-CASE-LEW-13401-1] c 44 N82-29709

Contactless pellet fabrication --- targets for inertial confinement fusion
[NASA-CASE-NPO-15592-1] c 31 N83-17746

Split-cross-bridge-resistor for testing for proper fabrication of integrated circuit
[NASA-CASE-NPO-16021-1] c 33 N83-24769

X-ray imaging mirror system and method of producing the same
[NASA-CASE-NPO-15828-1] c 74 N83-30222

GaAs Schottky barrier photo-responsive device and method of fabrication --- photovoltaic cells
[NASA-CASE-GSC-12816-1] c 76 N83-30268

Advanced inorganic separators for alkaline batteries and method of making the same

[NASA-CASE-LEW-13171-2] c 44 N83-32176

Resonant isolator for maser amplifier
[NASA-CASE-NPO-15201-1] c 36 N83-35350

FABRICS

Method of forming a root cord restrained convolute section
[NASA-CASE-MSC-12398] c 05 N72-20098

Amplifying ribbon extensometer
[NASA-CASE-LAR-11825-1] c 35 N77-22449

Nozzle extraction process and handmeter for measuring handle
[NASA-CASE-LAR-12147-1] c 31 N79-11246

Composition and method for making polyimide resin-reinforced fabric
[NASA-CASE-LEW-12933-1] c 27 N81-19296

Heat sealable, flame and abrasion resistant coated fabric --- clothing and containers for space exploration
[NASA-CASE-MSC-18382-1] c 27 N82-16238

Adjustable high emittance gap filler --- reentry shielding for space shuttle vehicles
[NASA-CASE-ARC-11310-1] c 27 N82-24339

Heat sealable, flame and abrasion resistant coated fabric
[NASA-CASE-MSC-18382-2] c 27 N82-24344

Absorbent product to absorb fluids --- for collection of human wastes
[NASA-CASE-MSC-18223-1] c 24 N82-29362

Heat resistant protective hand covering
[NASA-CASE-MSC-20261-2] c 54 N82-32986

High temperature silicon carbide impregnated insulating fabrics
[NASA-CASE-MSC-18832-1] c 27 N83-18908

FABRY-PEROT INTERFEROMETERS

Retrodirective optical system
[NASA-CASE-XGS-04480] c 16 N69-27491

FACSIMILE COMMUNICATION

Facsimile video remodulation network
[NASA-CASE-GSC-10185-1] c 07 N72-12081

Spectrometer integrated with a facsimile camera
[NASA-CASE-LAR-11207-1] c 35 N75-19613

FACTORIAL DESIGN

Space suit pressure stabilizer Patent
[NASA-CASE-XLA-05332] c 05 N71-11194

Equipotential space suit Patent
[NASA-CASE-LAR-10007-1] c 05 N71-11195

FAIL-SAFE SYSTEMS

Failsafe multiple transformer circuit configuration
[NASA-CASE-NPO-11078] c 09 N72-25262

Latch mechanism
[NASA-CASE-MSC-12549-1] c 37 N74-27903

Safety flywheel --- using flexible materials energy storage
[NASA-CASE-HQN-10888-1] c 44 N79-14527

Module failure isolation circuit for paralleled inverters --- preventing system failure during power conditioning for spacecraft applications
[NASA-CASE-NPO-14000-1] c 33 N79-24254

Apparatus for sensor failure detection and correction in a gas turbine engine control system
[NASA-CASE-LEW-12907-2] c 07 N81-19115

Reconfiguring redundancy management
[NASA-CASE-MSC-18498-1] c 60 N82-29013

FAILURE ANALYSIS

Fatigue failure load indicator
[NASA-CASE-LAR-12027-1] c 39 N79-22537

A solvent resistant, thermoplastic aromatic poly(midesulfone) and process for preparing same
[NASA-CASE-LAR-12858-2] c 27 N83-29391

FAILURE MODES

High speed rolling element bearing
[NASA-CASE-LEW-10856-1] c 15 N72-22490

Inverter ratio failure detector
[NASA-CASE-NPO-13160-1] c 35 N74-18090

FAIRINGS

Method and system for ejecting fairing sections from a rocket vehicle
[NASA-CASE-GSC-10590-1] c 31 N73-14853

Low-drag ground vehicle particularly suited for use in safety transporting livestock
[NASA-CASE-FRC-11058-1] c 85 N82-33288

FALLING SPHERES

Gravimeter Patent
[NASA-CASE-XMF-05844] c 14 N71-17587

FAR INFRARED RADIATION

Collimator of multiple plates with axially aligned identical random arrays of apertures
[NASA-CASE-MFS-20546-2] c 14 N73-30389

FAR ULTRAVIOLET RADIATION

Transient heat transfer gauge Patent
[NASA-CASE-XNP-09802] c 33 N71-15841

FARADAY EFFECT

Faraday rotation measurement method and apparatus
[NASA-CASE-NPO-14839-1] c 35 N82-15381

FAST FOURIER TRANSFORMATIONS

A pipelined digital SAR azimuth correlator using hybrid FFT/transversal-filter
[NASA-CASE-NPO-15519-1] c 32 N82-12288

FASTENERS

Force measuring instrument Patent
[NASA-CASE-XMF-00456] c 14 N70-34705
Life preserver Patent
[NASA-CASE-XMS-00864] c 05 N70-36493
All-directional fastener Patent
[NASA-CASE-XLA-01807] c 15 N71-10799
Fastener apparatus Patent
[NASA-CASE-ARC-10140-1] c 15 N71-17653
Methods and apparatus employing vibratory energy for wrenching Patent
[NASA-CASE-MFS-20586] c 15 N71-17686
Coaxial cable connector Patent
[NASA-CASE-XNP-04732] c 09 N71-20851
Latching mechanism Patent
[NASA-CASE-XMS-03745] c 15 N71-21076
Central spar and module joint Patent
[NASA-CASE-XNP-02341] c 15 N71-21531
Threadless fastener apparatus Patent
[NASA-CASE-XFR-05302] c 15 N71-23254
Flexibly connected support and skin Patent
[NASA-CASE-XLA-01027] c 31 N71-24035
Quick release hook tape Patent
[NASA-CASE-XMS-10660-1] c 15 N71-25975
Helmet latching and attaching ring
[NASA-CASE-XMS-04670] c 54 N78-17878
Chassis unit insert tightening-extract device
[NASA-CASE-XMS-01077-1] c 37 N79-33467
One-step dual purpose joining technique
[NASA-CASE-LAR-12595-1] c 33 N82-26571
Reusable captive blind fastener
[NASA-CASE-MSC-18742-1] c 37 N82-26673
Mechanical fastener
[NASA-CASE-LAR-12738-1] c 18 N82-33419
Daze fasteners
[NASA-CASE-LAR-13009-1] c 37 N83-29706

FATIGUE (MATERIALS)

Strain coupled servo control system Patent
[NASA-CASE-XLA-08530] c 32 N71-25360
TV fatigue crack monitoring system
[NASA-CASE-LAR-11490-1] c 39 N78-16387

FATIGUE LIFE

Fatigue-resistant shear pin
[NASA-CASE-XLA-09122] c 15 N69-27505
Method of improving the reliability of a rolling element system Patent
[NASA-CASE-XLE-02999] c 15 N71-16052
High speed rolling element bearing
[NASA-CASE-LEW-10856-1] c 15 N72-22490
High speed hybrid bearing comprising a fluid bearing and a rolling bearing connected in series
[NASA-CASE-LEW-11152-1] c 15 N73-32359
Machine for use in monitoring fatigue life for a plurality of elastomeric specimens
[NASA-CASE-NPO-13731-1] c 39 N78-10493

FATIGUE TESTING MACHINES

Horizontal cryostat for fatigue testing Patent
[NASA-CASE-XMF-10968] c 14 N71-24234
Light shield and infrared reflector for fatigue testing Patent
[NASA-CASE-XLA-01782] c 14 N71-26136

FATIGUE TESTS

Fatigue testing device Patent
[NASA-CASE-XLA-02131] c 32 N70-42003
Fatigue failure load indicator
[NASA-CASE-LAR-12027-1] c 39 N79-22537
Heating and cooling system --- for fatigue test specimens
[NASA-CASE-LAR-12393-1] c 34 N83-34221

FATS

Oil and fat absorbing polymers
[NASA-CASE-NPO-11609-2] c 27 N77-31308

FECES

Relief container
[NASA-CASE-XMS-06761] c 05 N69-23192

FEED SYSTEMS

Plasma device feed system Patent
[NASA-CASE-XLE-02902] c 25 N71-21694
Propellant tank pressurization system Patent
[NASA-CASE-XNP-00650] c 27 N71-28929
Liquid waste feed system
[NASA-CASE-LAR-10365-1] c 05 N72-27102
Pressurized lighting system
[NASA-CASE-KSC-10644] c 09 N72-27227
Dual frequency microwave reflex feed
[NASA-CASE-NPO-13091-1] c 09 N73-12214
Injector for use in high voltage isolators for liquid feed lines
[NASA-CASE-NPO-11377] c 15 N73-27406
Supercharged topping rocket propellant feed system
[NASA-CASE-XLE-02062-1] c 20 N80-14188

Method of producing silicon --- gas phase reactor multiple injector liquid feed system
[NASA-CASE-NPO-14382-1] c 31 N80-18231

Continuous coal processing method
[NASA-CASE-NPO-13758-2] c 31 N81-15154
Improved constant-output atomizer
[NASA-CASE-MFS-25631-1] c 34 N82-10360

FEEDBACK

Active RC networks
[NASA-CASE-ARC-10020] c 10 N72-17172
Feedback shift register with states decomposed into cycles of equal length
[NASA-CASE-NPO-11082] c 08 N72-22167
Inverter oscillator with voltage feedback
[NASA-CASE-NPO-10760] c 09 N72-25254

FEEDBACK AMPLIFIERS

Radiometric temperature reference Patent
[NASA-CASE-MSC-13278-1] c 14 N71-27058
Compensating bandwidth switching transients in an amplifier circuit Patent
[NASA-CASE-XNP-01107] c 10 N71-28859
Monostable multivibrator with complementary NOR gates Patent
[NASA-CASE-MSC-13492-1] c 10 N71-28860

FEEDBACK CIRCUITS

Low power drain semi-conductor circuit
[NASA-CASE-XGS-04999] c 09 N69-24317
Linear three-tap feedback shift register Patent
[NASA-CASE-NPO-10351] c 08 N71-12503
Frequency control network for a current feedback oscillator Patent
[NASA-CASE-GSC-10041-1] c 10 N71-19418
Feedback integrator with grounded capacitor Patent
[NASA-CASE-XAC-10607] c 10 N71-23669
Parametric amplifiers with idler circuit feedback
[NASA-CASE-LAR-10253-1] c 09 N72-25258
Pseudonoise sequence generators with three tap linear feedback shift registers
[NASA-CASE-NPO-11406] c 08 N73-12175
Logarithmic circuit with wide dynamic range
[NASA-CASE-GSC-12145-1] c 33 N78-32339
Television camera video level control system --- space shuttle orbiters
[NASA-CASE-MSC-18578-1] c 74 N82-27121
Automatic level control circuit
[NASA-CASE-KSC-11170-1] c 33 N83-36356

FEEDBACK CONTROL

Nonlinear analog-to-digital converter Patent
[NASA-CASE-XAC-04031] c 08 N71-18594
Pulse-type magnetic core memory element circuit with blocking oscillator feedback Patent
[NASA-CASE-XGS-03303] c 08 N71-18595
BCD to decimal decoder Patent
[NASA-CASE-KKS-06167] c 08 N71-24890
A dc motor speed control system Patent
[NASA-CASE-MFS-14610] c 09 N71-28886
Sampled data controller Patent
[NASA-CASE-GSC-10554-1] c 08 N71-29033
A dc servosystem including an ac motor Patent
[NASA-CASE-NPO-10700] c 07 N71-33613
Suppression of flutter
[NASA-CASE-LAR-10682-1] c 02 N73-26004
Regulated dc-to-dc converter for voltage step-up or step-down with input-output isolation
[NASA-CASE-HQN-10792-1] c 33 N74-11049
Diffused waveguiding capillary tube with distributed feedback for a gas laser
[NASA-CASE-NPO-13544-1] c 36 N76-18428
The dc-to-dc converters employing staggered-phase power switches with two-loop control
[NASA-CASE-NPO-13512-1] c 33 N77-10428
System and method for tracking a signal source --- employing feedback control
[NASA-CASE-HQN-10880-1] c 17 N78-17140
Closed loop spray cooling apparatus --- for particle accelerator targets
[NASA-CASE-LEW-11981-1] c 31 N78-17237
Wide power range microwave feedback controller
[NASA-CASE-GSC-12146-1] c 33 N78-32340
Active notch filter network with variable notch depth, width and frequency
[NASA-CASE-FRC-11055-1] c 33 N80-29583
Tuned analog network --- bandpass filter networks
[NASA-CASE-GSC-12650-1] c 33 N82-10324
Method and apparatus for transfer function simulator for testing complex systems
[NASA-CASE-NPO-15696-1] c 36 N82-28619
Three phase power factor controller with induced EMF sensing
[NASA-CASE-MFS-25852-1] c 33 N83-17803
Variable speed drive
[NASA-CASE-GSC-12643-1] c 37 N83-26078
Three phase power factor controller
[NASA-CASE-MFS-25535-2] c 33 N83-29593

FEEDBACK FREQUENCY MODULATION

Means for communicating through a layer of ionized gases Patent
[NASA-CASE-XLA-01127] c 07 N70-41372
Data-aided carrier tracking loops
[NASA-CASE-NPO-11282] c 10 N73-16205
Linear phase demodulator including a phase locked loop with auxiliary feedback loop
[NASA-CASE-GSC-12018-1] c 33 N77-14334

FEEDERS

Automatic real-time pair-feeding system for animals
[NASA-CASE-ARC-10302-1] c 51 N74-15778

FELTS

Thermal insulation attaching means --- adhesive bonding of felt vibration insulators under ceramic tiles
[NASA-CASE-MSC-12619-2] c 27 N79-12221

FEMALES

Liquid cooled brassiere and method of diagnosing malignant tumors therewith
[NASA-CASE-ARC-11007-1] c 52 N77-14736
Urine collection device
[NASA-CASE-MSC-16433-1] c 52 N78-27750
Urine collection apparatus --- feminine hygiene
[NASA-CASE-MSC-18381-1] c 52 N81-28740

FERMENTATION

Production of butanol by fermentation in the presence of co-culture of clostridium
[NASA-CASE-NPO-16203-1] c 44 N83-29806

FERRITES

Magnetic recording head and method of making same Patent
[NASA-CASE-GSC-10097-1] c 08 N71-27210
Method for making conductors for ferrite memory arrays --- from pre-formed metal conductors
[NASA-CASE-LAR-10994-1] c 24 N75-13032
Device for measuring the ferrite content in an austenitic stainless-steel weld
[NASA-CASE-MFS-22907-1] c 26 N76-18257

FERROMAGNETIC MATERIALS

Magnetic heat pumping
[NASA-CASE-LEW-12508-1] c 34 N78-17335

FERROMAGNETISM

High temperature ferromagnetic cobalt-base alloy Patent
[NASA-CASE-XLE-03629] c 17 N71-23248

FIBER COMPOSITES

Fibrous refractory composite insulation --- shielding reusable spacecraft
[NASA-CASE-ARC-11169-1] c 24 N79-24062
Universal connectors for joining stringers
[NASA-CASE-LAR-12744-1] c 37 N81-31551
Method and apparatus for gripping uniaxial fibrous composite materials --- holding specimens for mechanical property testing
[NASA-CASE-LEW-13758-1] c 24 N83-12176

FIBER OPTICS

Fiber optic vibration transducer and analyzer Patent
[NASA-CASE-XMF-02433] c 14 N71-10616
Fiber distributed feedback laser
[NASA-CASE-NPO-13531-1] c 36 N76-24553
Fiber optic multiplex optical transmission system
[NASA-CASE-KSC-11047-1] c 74 N78-14889
Low intensity X-ray and gamma-ray imaging device --- fiber optics
[NASA-CASE-GSC-12263-1] c 74 N79-20857
Precise RF timing signal distribution to remote stations --- fiber optics
[NASA-CASE-NPO-14749-1] c 32 N81-14186
Apparatus for fiber optic liquid level sensing
[NASA-CASE-MSC-18674-1] c 74 N81-24907
Interleaving device
[NASA-CASE-GSC-12111-2] c 33 N81-29342
Optical gyroscope system
[NASA-CASE-NPO-14258-1] c 35 N81-33448
Fiber optic transmission line stabilization apparatus and method
[NASA-CASE-NPO-15036-1] c 74 N82-19029
Optical crystal temperature gauge with fiber optic connections
[NASA-CASE-MSC-18627-1] c 74 N82-30071
Low intensity X-ray and gamma-ray spectrometer
[NASA-CASE-GSC-12587-1] c 35 N82-32659
Ranging system --- industrial robotics
[NASA-CASE-NPO-15865-1] c 74 N83-12991
Optical fiber tactile sensor
[NASA-CASE-NPO-15375-1] c 74 N83-18485
Method for making a bonded single mode fiber optic wavelength coupler
[NASA-CASE-NPO-15464-1] c 74 N83-25540
Fiber optic crossbar switch for automatically patching optical signals
[NASA-CASE-KSC-11104-1] c 74 N83-29032
Containerless high purity pulling process and apparatus for glass fibers
[NASA-CASE-MFS-25905-1] c 74 N83-35825

FIBER REINFORCED COMPOSITES

- Composition and method for making polyimide resin-reinforced fabric
[NASA-CASE-LEW-12933-1] c 27 N81-19296
- Fuselage structure using advanced technology fiber reinforced composites
[NASA-CASE-LAR-11688-1] c 24 N82-26384
- Low temperature cross linking polyimides
[NASA-CASE-LEW-12876-2] c 27 N83-29392
- Curved cap corrugated sheet
[NASA-CASE-LAR-12884-1] c 31 N83-29446
- Mixed polyvalent-monovalent metal coating for carbon-graphite fibers
[NASA-CASE-NPO-14987-1] c 24 N83-33950

FIBER RELEASE

- Curing agent for polyepoxides and epoxy resins and composites cured therewith — preventing carbon fiber release
[NASA-CASE-LEW-13226-1] c 27 N81-17260
- Method and device for detection of a substance — determining carbon fiber release in fire situations
[NASA-CASE-NPO-14940-1] c 33 N83-31954

FIBER STRENGTH

- Method and apparatus for strengthening boron fibers — high temperature oxidation
[NASA-CASE-LEW-13826-1] c 24 N82-26385

FIBERS

- Method for fiberizing ceramic materials Patent
[NASA-CASE-XNP-00597] c 18 N71-23088
- Method and apparatus for fluffing, separating, and cleaning fibers
[NASA-CASE-LAR-11224-1] c 37 N76-18456
- Composite lamination method
[NASA-CASE-LAR-12019-1] c 24 N78-17150
- Dual membrane hollow fiber fuel cell and method of operating same
[NASA-CASE-NPO-13732-1] c 44 N79-10513
- Ion-exchange hollow fibers
[NASA-CASE-NPO-13309-1] c 25 N81-19244
- A method and technique for installing light-weight fragile, high-temperature fiber insulation
[NASA-CASE-MSC-18934-3] c 24 N82-26387

FIELD EFFECT TRANSISTORS

- Frequency to analog converter Patent
[NASA-CASE-XNP-07040] c 08 N71-12500
- Voltage to frequency converter Patent
[NASA-CASE-GSC-10022-1] c 10 N71-25882
- Broadband video process with very high input impedance
[NASA-CASE-NPO-10199] c 09 N72-17156
- Data multiplexer using tree switching configuration
[NASA-CASE-NPO-11333] c 08 N72-22162
- Integrated circuit including field effect transistor and carrier resistor
[NASA-CASE-GSC-10835-1] c 09 N72-33205
- Radiation hardening of MOS devices by boron — for stabilizing gate threshold potential of field effect device
[NASA-CASE-GSC-11425-1] c 76 N74-20329
- Stored charge transistor
[NASA-CASE-NPO-11156-2] c 33 N75-31331
- Field effect transistor and method of construction thereof
[NASA-CASE-MFS-23312-1] c 33 N78-27326
- JFET oscillator
[NASA-CASE-GSC-12555-1] c 33 N80-26601
- Method of making V-MOS field effect transistors utilizing a two-step anisotropic etching and ion implantation
[NASA-CASE-GSC-12515-1] c 33 N81-26360
- CCD correlated quadruple sampling processor
[NASA-CASE-NPO-14426-1] c 33 N81-27396
- Low noise tuned amplifier
[NASA-CASE-GSC-12567-1] c 33 N82-11359
- Microwave field effect transistor
[NASA-CASE-GSC-12442-1] c 33 N82-20398
- Electronic system for high power load control — solar arrays
[NASA-CASE-NPO-15358-1] c 33 N83-27126

FIELD EMISSION

- Method and apparatus for limiting field emission current
[NASA-CASE-ERC-10015-2] c 10 N72-27246

FIELD OF VIEW

- Scanner — photography from a spin stabilized synchronous satellite
[NASA-CASE-GSC-12032-2] c 43 N82-13465

FILAMENT WINDING

- Tool attachment for spreading loose elements away from work Patent
[NASA-CASE-XMF-02107] c 15 N71-10809
- Method of making a filament-wound container Patent
[NASA-CASE-XLE-03803-2] c 15 N71-17651
- Method of fabricating a twisted composite superconductor
[NASA-CASE-LEW-11015] c 26 N73-32571
- Method of making reinforced composite structure
[NASA-CASE-LEW-12619-1] c 24 N77-19171

FILAMENTS

- Radiant heater having formed filaments Patent
[NASA-CASE-XLE-00387] c 33 N70-34812
- Twisted multifilament superconductor
[NASA-CASE-LEW-11726-1] c 26 N73-26752

FILLERS

- Method for making a heat insulating and ablative structure
[NASA-CASE-XMS-01108] c 15 N69-24322
- Intumescent-ablator coatings using endothermic fillers
[NASA-CASE-ARC-11043-1] c 24 N78-27180
- Polymeric compositions and their method of manufacture — forming filled polymer systems using cryogenics
[NASA-CASE-NPO-10424-1] c 27 N81-24258
- Polyvinyl alcohol battery separator containing inert filler — alkaline batteries
[NASA-CASE-LEW-13556-1] c 44 N81-27615
- Adjustable high emittance gap filler — reentry shielding for space shuttle vehicles
[NASA-CASE-ARC-11310-1] c 27 N82-24339
- High performance filleting sealant
[NASA-CASE-ARC-11409-1] c 27 N82-32490
- Polyvinyl alcohol battery separator containing inert filler
[NASA-CASE-LEW-13556-2] c 44 N83-29805

FILLING

- Self-charging metering and dispensing device for fluids
[NASA-CASE-MSC-20275-1] c 35 N83-17856

FILM COOLING

- Multislot film cooled pyrolytic graphite rocket nozzle Patent
[NASA-CASE-XNP-04389] c 28 N71-20942
- Curved film cooling admission tube
[NASA-CASE-LEW-13174-1] c 34 N83-27144
- Covering solid, film cooled surfaces with a duplex thermal barrier coating
[NASA-CASE-LEW-13450-1] c 31 N83-35177

FILM THICKNESS

- Chemical vapor deposition reactor — providing uniform film thickness
[NASA-CASE-NPO-13650-1] c 25 N79-28253
- Dual-beam skin friction interferometer
[NASA-CASE-ARC-11354-1] c 74 N83-21949
- Degassifying and mixing apparatus for liquids — potable water for spacecraft
[NASA-CASE-MSC-18936-1] c 35 N83-29652

FILMS

- Apparatus for obtaining isotropic irradiation of a specimen
[NASA-CASE-MFS-20095] c 24 N72-11595
- Method and apparatus for measurement of trap density and energy distribution in dielectric films
[NASA-CASE-NPO-13443-1] c 76 N76-20994

FILTERS

- Filter system for control of outgas contamination in vacuum Patent
[NASA-CASE-MFS-14711] c 15 N71-26185
- Method for removing oxygen impurities from cesium
[NASA-CASE-XNP-04262-2] c 17 N71-26773
- Centrifugal lyophobic separator
[NASA-CASE-LAR-10194-1] c 34 N74-30608

FILTRATION

- Recovery of aluminum from composite propellants
[NASA-CASE-NPO-14110-1] c 28 N81-15119
- Method for treating wastewater using microorganisms and vascular aquatic plants
[NASA-CASE-NSTL-10-1] c 25 N82-25335
- Process for producing tris (N-methylamino) methylsilane
[NASA-CASE-MFS-25721-1] c 25 N83-25811
- A solvent resistant, thermoplastic aromatic poly(midesulfone) and process for preparing same
[NASA-CASE-LAR-12858-2] c 27 N83-29391

FINES

- Acoustic agglomeration methods and apparatus
[NASA-CASE-NPO-15466-1] c 71 N82-27087

FINS

- Thrust and direction control apparatus Patent
[NASA-CASE-XLE-03583] c 31 N71-17629
- Deployable flexible ventral fins for use as an emergency spin recovery device in aircraft
[NASA-CASE-LAR-10753-1] c 08 N74-30421

FIRE EXTINGUISHERS

- Fire extinguishing apparatus having a slidable mass for a penetrator nozzle — for penetrating aircraft and shuttle orbiter skin
[NASA-CASE-KSC-11064-1] c 31 N81-14137
- Synthesis of dawsonites — for use in fire extinguishing operations
[NASA-CASE-ARC-11326-1] c 25 N83-33977
- Fire extinguishant materials
[NASA-CASE-ARC-11252-1] c 25 N83-36118

FIRE PREVENTION

- Hydrogen fire blink detector
[NASA-CASE-MFS-15063] c 14 N72-25412
- Method and apparatus for checking fire detectors
[NASA-CASE-GSC-11600-1] c 35 N74-21019
- Fire blocking systems for aircraft seat cushions
[NASA-CASE-ARC-11423-1] c 03 N83-17525

FIREPROOFING

- Fire resistant coating composition Patent
[NASA-CASE-GSC-10072] c 18 N71-14014
- Flexible fire retardant foam
[NASA-CASE-ARC-10180-1] c 28 N72-20767
- Intumescent paint containing nitrile rubber
[NASA-CASE-ARC-10196-1] c 18 N73-13562
- Intumescent composition, foamed product prepared therewith, and process for making same
[NASA-CASE-ARC-10304-1] c 18 N73-26572
- Flexible fire retardant polyisocyanate modified neoprene foam — for thermal protective devices
[NASA-CASE-ARC-10180-1] c 27 N74-12614
- Non-flammable elastomeric fiber from a fluonated elastomer and containing an halogenated flame retardant
[NASA-CASE-MSC-14331-1] c 27 N76-24405
- Flame retardant spandex type polyurethanes
[NASA-CASE-MSC-14331-2] c 27 N78-17213
- Fire protection covering for small diameter missiles
[NASA-CASE-ARC-11104-1] c 15 N79-26100

FIRES

- Combustion products generating and metering device
[NASA-CASE-GSC-11095-1] c 14 N72-10375
- Hydrogen fire detection system with logic circuit to analyze the spectrum of temporal variations of the optical spectrum
[NASA-CASE-MFS-13130] c 10 N72-17173

FIRING (IGNITING)

- Separation nut Patent
[NASA-CASE-XGS-01971] c 15 N71-15922

FITTINGS

- Quick release connector Patent
[NASA-CASE-XLA-01141] c 15 N71-13789
- Flared tube strainer
[NASA-CASE-XLA-05056] c 15 N72-11389

FIXED WINGS

- Supersonic aircraft Patent
[NASA-CASE-XLA-04451] c 02 N71-12243

FIXTURES

- Tool for use in lifting pin supported objects
[NASA-CASE-NPO-13157-1] c 37 N74-32918
- Apparatus for positioning modular components on a vertical or overhead surface
[NASA-CASE-LAR-11465-1] c 37 N76-21554
- Heat treat fixture and method of heat treating
[NASA-CASE-LAR-11821-1] c 26 N80-28492
- Fixture for environmental exposure of structural materials under compression load
[NASA-CASE-LAR-12602-1] c 39 N83-32081

FLAKES

- Diamondlike flake composites — for use in aerospace structures and components
[NASA-CASE-LEW-13837-1] c 24 N83-28095

FLAME PROBES

- Flame detector operable in presence of proton radiation
[NASA-CASE-MFS-21577-1] c 19 N74-29410

FLAME RETARDANTS

- Flame retardant spandex type polyurethanes
[NASA-CASE-MSC-14331-2] c 27 N78-17213
- Process for spinning flame retardant elastomeric compositions — fabricating synthetic fibers for high oxygen environments
[NASA-CASE-MSC-14331-3] c 27 N78-32262
- Catalysts for polyimide foams from aromatic isocyanates and aromatic dianhydrides — flame retardant foams
[NASA-CASE-ARC-11107-1] c 25 N80-16116
- Crystalline polyimides — reinforcing fibers for high temperature composites and adhesives as well as flame retardation
[NASA-CASE-LAR-12099-1] c 27 N80-16158
- Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MSC-14903-3] c 27 N80-24438
- Structural wood panels with improved fire resistance
[NASA-CASE-ARC-11174-1] c 24 N81-13999
- Heat sealable, flame and abrasion resistant coated fabric — clothing and containers for space exploration
[NASA-CASE-MSC-18382-1] c 27 N82-16238
- Heat sealable, flame and abrasion resistant coated fabric
[NASA-CASE-MSC-18382-2] c 27 N82-24344
- Fire blocking systems for aircraft seat cushions
[NASA-CASE-ARC-11423-1] c 03 N83-17525
- Elastomer coated filler and composites thereof comprising at least 60% by weight of a hydrated filler and an elastomer containing an acid substituent
[NASA-CASE-NPO-14657-1] c 27 N83-19900

FLAME SPRAYING

- The 1 - (dialkoxyposphonyl)methyl -2,4- and -2,6-dinitro- and diamino benzenes and their derivatives
[NASA-CASE-ARC-11425-1] c 23 N83-28076
Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-1] c 27 N83-31854

FLAME SPRAYING

- Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent
[NASA-CASE-XLA-00302] c 15 N71-16077
Modified polyurethane foams for fuel-fire Patent
[NASA-CASE-ARC-10098-1] c 06 N71-24739
Method of making pressure tight seal for super alloy
[NASA-CASE-LAR-10170-1] c 37 N74-11301

FLAME TEMPERATURE

- Direct heating surface combustor
[NASA-CASE-LAW-11877-1] c 34 N78-27357

FLAMES

- Temperature reducing coating for metals subject to flame exposure Patent
[NASA-CASE-XLE-00035] c 33 N71-29151
Modulated hydrogen ion flame detector
[NASA-CASE-ARC-10322-1] c 35 N76-18403

FLAMMABILITY

- Flammability test chamber Patent
[NASA-CASE-KSC-10126] c 11 N71-24985
Burn rate testing apparatus
[NASA-CASE-XMS-09690] c 33 N72-25913
Compound oxidized styrylphosphine --- flame resistant vinyl polymers
[NASA-CASE-MSC-14903-2] c 27 N80-10358
Vitra-violet process for producing flame resistant polyamides and products produced thereby --- protective clothing for high oxygen environments
[NASA-CASE-MSC-16074-1] c 27 N80-26446

FLANGES

- Cassegrain antenna subreflector flange for suppressing ground noise Patent
[NASA-CASE-XNP-00683] c 09 N70-35425
Anti-glare improvement for optical imaging systems Patent
[NASA-CASE-NPO-10337] c 14 N71-15604
Flanged major modular assembly jig
[NASA-CASE-MSC-19372-1] c 39 N76-31562
Clamp-mount device
[NASA-CASE-MFS-25510-1] c 37 N82-11470

FLAPS (CONTROL SURFACES)

- Jet aircraft configuration Patent
[NASA-CASE-XLA-00087] c 02 N70-33332
Assembly for recovering a capsule Patent
[NASA-CASE-XMF-00641] c 31 N70-36410
Direct lift control system Patent
[NASA-CASE-LAR-10249-1] c 02 N71-26110
Reversed cowl flap inlet thrust augmentor --- with adjustable airfoil
[NASA-CASE-ARC-10754-1] c 07 N75-24736

FLARED BODIES

- Flared tube strainer
[NASA-CASE-XLA-05056] c 15 N72-11389

FLASH LAMPS

- Active lamp pulse driver circuit --- optical pumping of laser media
[NASA-CASE-GSC-12566-1] c 33 N83-34189

FLAT CONDUCTORS

- Method of making a molded connector Patent
[NASA-CASE-XMF-03498] c 15 N71-15986
Method of making shielded flat cable Patent
[NASA-CASE-MFS-13687] c 09 N71-28691
Shielded flat cable
[NASA-CASE-MFS-13687-2] c 09 N72-22198
Electrical connector
[NASA-CASE-MFS-20757] c 09 N72-28225
Method and apparatus for preparing multiconductor cable with flat conductors
[NASA-CASE-MFS-10946-1] c 31 N79-21226
Edge coating of flat wires
[NASA-CASE-XMF-05757-1] c 31 N79-21227

FLAT PLATES

- Reduced gravity liquid configuration simulator
[NASA-CASE-XLE-02624] c 12 N69-39988
Apparatus for making diamonds
[NASA-CASE-MFS-20698] c 15 N72-20446
Heat transfer device
[NASA-CASE-MFS-22938-1] c 34 N76-18374
Flat-plate heat pipe
[NASA-CASE-GSC-11998-1] c 34 N77-32413
Solar engine
[NASA-CASE-LAR-12148-1] c 44 N82-24640

FLXIBILITY

- Weatherproof helix antenna Patent
[NASA-CASE-XKS-08485] c 07 N71-19493
Spherical shield Patent
[NASA-CASE-XNP-01855] c 15 N71-28937
Flexible joint for pressurizable garment
[NASA-CASE-MSC-11072] c 54 N74-32546

- Nozzle extraction process and handmeter for measuring handle
[NASA-CASE-LAR-12147-1] c 31 N79-11246
Safety flywheel --- using flexible materials energy storage
[NASA-CASE-HQN-10888-1] c 44 N79-14527

FLEXIBLE BODIES

- Flexible back-up bar Patent
[NASA-CASE-XMF-00722] c 15 N70-40204
Deflective rod switch with elastic support and sealing means Patent
[NASA-CASE-XNP-09808] c 09 N71-12518
Flexible composite membrane Patent
[NASA-CASE-XNP-08837] c 18 N71-16210
Self supporting space vehicle Patent
[NASA-CASE-XLA-00117] c 31 N71-17680
Extravehicular tunnel suit system Patent
[NASA-CASE-MSC-12243-1] c 05 N71-24728
Active vibration isolator for flexible bodies Patent
[NASA-CASE-LAR-10106-1] c 15 N71-27169
Fluid impervious barrier including liquid metal alloy and method of making same Patent
[NASA-CASE-XNP-08881] c 17 N71-28747
Low cycle fatigue testing machine
[NASA-CASE-LAR-10270-1] c 32 N72-25877
Deployable flexible ventral fins for use as an emergency spin recovery device in aircraft
[NASA-CASE-LAR-10753-1] c 08 N74-30421
Internally supported flexible duct joint --- device for conducting fluids in high pressure systems
[NASA-CASE-MFS-19193-1] c 37 N75-19686
Strong thin membrane structure --- solar sails
[NASA-CASE-NPO-14021-2] c 27 N80-16163

FLEXIBLE WINGS

- Aeroflexible structures
[NASA-CASE-XLA-06095] c 01 N69-39981
Flexible wing deployment device Patent
[NASA-CASE-XLA-01220] c 02 N70-41863
Control for flexible parawing Patent
[NASA-CASE-XLA-06958] c 02 N71-11038

FLEXING

- Two degree inverted flexure
[NASA-CASE-ARC-10345-1] c 15 N73-12488
Pressure suit joint analyzer
[NASA-CASE-ARC-11314-1] c 54 N82-26987

FLIGHT

- Traversing probe Patent
[NASA-CASE-XFR-02007] c 12 N71-24692

FLIGHT ALTITUDE

- Altitude measuring system
[NASA-CASE-ERC-10412-1] c 09 N73-12211
Terminal guidance system --- for guiding aircraft into preselected altitude and/or heading at terminal point
[NASA-CASE-FRC-10049-1] c 04 N74-13420
Apparatus for measuring an aircraft's speed and height
[NASA-CASE-LAR-12275-1] c 35 N79-18296
System for providing an integrated display of instantaneous information relative to aircraft attitude, heading, altitude, and horizontal situation
[NASA-CASE-FRC-11005-1] c 06 N82-16075
CAT altitude avoidance system
[NASA-CASE-NPO-15351-1] c 06 N83-10040
System for indicating fuel-efficient aircraft altitude
[NASA-CASE-NPO-15351-2] c 06 N83-17536
Sidelooking laser altimeter for a flight simulator
[NASA-CASE-ARC-11312-1] c 36 N83-34304

FLIGHT CLOTHING

- Absorbent product and articles made therefrom
[NASA-CASE-MSC-18223-2] c 52 N82-26960

FLIGHT CONTROL

- Aircraft instrument Patent
[NASA-CASE-XLA-00487] c 14 N70-40157
Two-axis controller Patent
[NASA-CASE-XFR-04104] c 03 N70-42073
Mechanically limited, electrically operated hydraulic valve system for aircraft controls Patent
[NASA-CASE-XAC-00048] c 02 N71-29128
Numerical computer peripheral interactive device with manual controls
[NASA-CASE-NPO-11497] c 08 N73-25206
Solid state controller three axes controller
[NASA-CASE-MSC-12394-1] c 08 N74-10942
G-load measuring and indicator apparatus --- for aircraft
[NASA-CASE-ARC-10806] c 06 N74-27872
Integrated lift/drag controller for aircraft
[NASA-CASE-ARC-10456-1] c 05 N75-12930
Deploy/release system --- model aircraft flight control
[NASA-CASE-LAR-11575-1] c 02 N76-16014
Apparatus for damping operator induced oscillations of a controlled system --- flight control
[NASA-CASE-FRC-11041-1] c 33 N82-18493
Aircraft body-axis rotation measurement system
[NASA-CASE-FRC-11043-1] c 06 N83-33882

FLIGHT CREWS

- Survival couch Patent
[NASA-CASE-XLA-00118] c 05 N70-33285

FLIGHT INSTRUMENTS

- Heads up display
[NASA-CASE-LAR-12630-1] c 06 N82-29319

FLIGHT RECORDERS

- Event recorder Patent
[NASA-CASE-XLA-01832] c 14 N71-21006

FLIGHT SAFETY

- Aerial capsule emergency separation device Patent
[NASA-CASE-XLA-00115] c 03 N70-33343
Apparatus for aiding a pilot in avoiding a midair collision between aircraft
[NASA-CASE-LAR-10717-1] c 21 N73-30641
FLIGHT SIMULATION
Lunar landing flight research vehicle Patent
[NASA-CASE-XFR-00929] c 31 N70-34966
Television simulation for aircraft and space flight
[NASA-CASE-XFR-03107] c 09 N71-19449
Separation simulator Patent
[NASA-CASE-XKS-04631] c 10 N71-23663

FLIGHT SIMULATORS

- Centrifuge mounted motion simulator Patent
[NASA-CASE-XAC-00399] c 11 N70-34815
Means for visually indicating flight paths of vehicles between the Earth, Venus, and Mercury Patent
[NASA-CASE-XNP-00708] c 14 N70-35394
Wind tunnel test section
[NASA-CASE-MFS-20509] c 11 N72-17183
Numerical computer peripheral interactive device with manual controls
[NASA-CASE-NPO-11497] c 08 N73-25206
Apparatus for applying simulator g-forces to an arm of an aircraft simulator pilot
[NASA-CASE-LAR-10550-1] c 09 N74-30597
Vehicle simulator binocular multiplanar visual display system
[NASA-CASE-ARC-10808-1] c 09 N76-24280
Full color hybrid display for aircraft simulators --- landing aids
[NASA-CASE-ARC-10903-1] c 09 N78-18083
Chromatically corrected virtual image display --- lens design for flight simulators
[NASA-CASE-LAR-12251-1] c 74 N79-14892
Seat cushion to provide realistic acceleration cues to aircraft simulator pilot
[NASA-CASE-LAR-12149-2] c 09 N79-31228
Chromatically corrected virtual image visual display --- reducing eye strain in flight simulators
[NASA-CASE-LAR-12251-1] c 74 N80-27185
Helmet weight simulator
[NASA-CASE-LAR-12320-1] c 54 N81-27806
Biocentrifuge system capable of exchanging specimen cages while in operational mode
[NASA-CASE-MFS-23825-1] c 51 N81-32829
Environmental fog/rain visual display system for aircraft simulators
[NASA-CASE-ARC-11158-1] c 09 N82-24212
Sidelooking laser altimeter for a flight simulator
[NASA-CASE-ARC-11312-1] c 36 N83-34304

FLIGHT TESTS

- Air frame drag balance Patent
[NASA-CASE-XLA-00113] c 14 N70-33386
Dual towline anti-spin device --- for flight tests
[NASA-CASE-LAR-13076-1] c 05 N83-34934

FLIGHT TRAINING

- Inflight IFR procedures simulator
[NASA-CASE-GSC-11218-1] c 09 N82-29331

FLIGHT VEHICLES

- Leading edge curvature based on convective heating Patent
[NASA-CASE-XLA-01486] c 01 N71-23497
Altitude sensing device
[NASA-CASE-XMS-01994-1] c 14 N72-17326

FLIP-FLOPS

- AC logic flip-flop circuits Patent
[NASA-CASE-XGS-00823] c 10 N71-15910
Stepping motor control circuit Patent
[NASA-CASE-GSC-10366-1] c 10 N71-18772
Flipflop interrogator and bi-polar current driver Patent
[NASA-CASE-XGS-03058] c 10 N71-19547

FLOATING

- Floating baffle to improve efficiency of liquid transfer from tanks
[NASA-CASE-KSC-10639] c 15 N73-26472
Modification of one man life raft
[NASA-CASE-LAR-10241-1] c 54 N74-14845
Floating nut retention system
[NASA-CASE-MSC-16938-1] c 37 N80-23653

FLOATS

- Magnetically centered liquid column float Patent
[NASA-CASE-XAC-00030] c 14 N70-34820

FLOORS

- Elevated waterproof access floor system and method of making the same
[NASA-CASE-ARC-11363-1] c 31 N83-28281

FLOTATION

- Rescue litter flotation assembly Patent
[NASA-CASE-XMS-04170] c 05 N71-22748

FLOW CHAMBERS

- Multi-chamber controllable heat pipe
[NASA-CASE-ARC-10199] c 34 N78-17337

FLOW DIRECTION INDICATORS

- Polarity sensitive circuit Patent
[NASA-CASE-XNP-00952] c 10 N71-23271
Flow angle sensor and read out system Patent
[NASA-CASE-XLE-04503] c 14 N71-24864

FLOW DISTRIBUTION

- Full flow with shut off and selective drainage control valve Patent application
[NASA-CASE-ERC-10208] c 15 N70-10867
Method of obtaining permanent record of surface flow phenomena Patent
[NASA-CASE-XLA-01353] c 14 N70-41366
Method of recording a gas flow pattern Patent
[NASA-CASE-XMF-01779] c 12 N71-20815
Dual wavelength scanning Doppler velocimeter --- without perturbation of flow fields
[NASA-CASE-ARC-10637-1] c 35 N75-16783
Controlled separation combustor --- airflow distribution in gas turbine engines
[NASA-CASE-LEW-11593-1] c 20 N76-14190
Apparatus and method for jet noise suppression
[NASA-CASE-LAR-11903-2] c 34 N82-20465
Static continuous electrophoresis device
[NASA-CASE-MFS-25306-1] c 25 N83-13187

FLOW MEASUREMENT

- Flow test device
[NASA-CASE-XMS-04917] c 14 N69-24257
Nuclear mass flowmeter
[NASA-CASE-MFS-20485] c 14 N72-11365
Flow velocity and directional instrument
[NASA-CASE-LAR-10855-1] c 14 N73-13415
Flow measuring apparatus
[NASA-CASE-LEW-12078-1] c 35 N75-30503
Method for making a hot wire anemometer and product thereof
[NASA-CASE-ARC-10900-1] c 35 N77-24454
Fluid velocity measuring device
[NASA-CASE-LAR-11729-1] c 34 N79-12359
Automatic flowmeter calibration system
[NASA-CASE-KSC-11076-1] c 34 N81-26402
Aeroelastic instability stoppers for wind tunnel models
[NASA-CASE-LAR-12720-1] c 44 N83-21504
Miniature electro-optical air flow sensor
[NASA-CASE-LAR-13065-1] c 74 N83-25539
Bio-medical flow sensor --- intravenous procedures
[NASA-CASE-MSC-18761-1] c 52 N83-27577
Auto covariance computer
[NASA-CASE-LAR-12968-1] c 35 N83-34273

FLOW REGULATORS

- Anti-backlash circuit for hydraulic drive system Patent
[NASA-CASE-XNP-01020] c 03 N71-12260
Fluid flow restrictor Patent
[NASA-CASE-NPO-10117] c 15 N71-15608
Fluid flow control valve Patent
[NASA-CASE-XLE-00703] c 15 N71-15967
Gas regulator Patent
[NASA-CASE-NPO-10298] c 12 N71-17661
Semitoroidal diaphragm cavitating valve Patent
[NASA-CASE-XNP-09704] c 12 N71-18615
Temperature sensitive flow regulator Patent
[NASA-CASE-MFS-14259] c 15 N71-19213
Pneumatic amplifier Patent
[NASA-CASE-MSC-12121-1] c 15 N71-27147
Gas flow control device
[NASA-CASE-NPO-11479] c 15 N73-13462
Pressure modulating valve
[NASA-CASE-MSC-14905-1] c 37 N77-28487
Automotive gas turbine fuel control
[NASA-CASE-LEW-12785-1] c 37 N78-24545
Flow diverter valve and flow diversion method
[NASA-CASE-HQN-00573-1] c 37 N79-33468
Automatic thermal switch
[NASA-CASE-GSC-12415-1] c 33 N82-24419
Bio-medical flow sensor --- intravenous procedures
[NASA-CASE-MSC-18761-1] c 52 N83-27577
Air modulation apparatus --- cooling gas turbine engines
[NASA-CASE-LEW-13524-1] c 34 N83-30957

FLOW RESISTANCE

- Flow resistivity instrument
[NASA-CASE-LAR-13053-1] c 43 N83-29783

FLOW STABILITY

- Continuous detonation reaction engine Patent
[NASA-CASE-XMF-06926] c 28 N71-22983

- Apparatus for establishing flow of a fluid mass having a known velocity
[NASA-CASE-MFS-21424-1] c 34 N74-27730
Aeroelastic instability stoppers for wind tunnel models
[NASA-CASE-LAR-12720-1] c 44 N83-21504

FLOW VELOCITY

- Method for continuous variation of propellant flow and thrust in propulsive devices Patent
[NASA-CASE-XLE-00177] c 28 N70-40367
Densitometer Patent
[NASA-CASE-XLE-00688] c 14 N70-41330
Device for suppressing sound and heat produced by high-velocity exhaust jets Patent
[NASA-CASE-XMF-01813] c 28 N70-41582
Positive displacement flowmeter Patent
[NASA-CASE-XMF-02822] c 14 N70-41994
Zeta potential flowmeter Patent
[NASA-CASE-XNP-06509] c 14 N71-23226
Method for measuring the characteristics of a gas Patent
[NASA-CASE-XLA-03375] c 16 N71-24074
Laser fluid velocity detector Patent
[NASA-CASE-XAC-10770-1] c 16 N71-24828
Gas low pressure low flow rate metering system Patent
[NASA-CASE-FRC-10022] c 12 N71-26546
Force-balanced, throttle valve Patent
[NASA-CASE-NPO-10808] c 15 N71-27432
Flow rate switch
[NASA-CASE-NPO-10722] c 09 N72-20199
Flow velocity and directional instrument
[NASA-CASE-LAR-10855-1] c 14 N73-13415
Apparatus for establishing flow of a fluid mass having a known velocity
[NASA-CASE-MFS-21424-1] c 34 N74-27730
Wind tunnel flow generation section
[NASA-CASE-ARC-10710-1] c 09 N75-12969
Combined dual scatter, local oscillator laser Doppler velocimeter
[NASA-CASE-ARC-10642-1] c 36 N76-14447
System for measuring three fluctuating velocity components in a turbulently flowing fluid
[NASA-CASE-ARC-10974-1] c 34 N77-27345
Fluid velocity measuring device
[NASA-CASE-LAR-11729-1] c 34 N79-12359
Pressure letdown method and device for coal conversion systems
[NASA-CASE-NPO-15100-1] c 28 N81-33306
Wind tunnel supplementary Mach number minimum section insert
[NASA-CASE-LAR-12532-1] c 09 N82-11088
Air modulation apparatus --- cooling gas turbine engines
[NASA-CASE-LEW-13524-1] c 34 N83-30957

FLOW VISUALIZATION

- Shock-layer radiation measurement
[NASA-CASE-XAC-02970] c 14 N69-39896
Method of recording a gas flow pattern Patent
[NASA-CASE-XMF-01779] c 12 N71-20815
Continuous laminar smoke generator --- visualizing flow around wind tunnel models
[NASA-CASE-LAR-13014-1] c 28 N83-35158

FLOWMETERS

- Flow test device
[NASA-CASE-XMS-04917] c 14 N69-24257
Positive displacement flowmeter Patent
[NASA-CASE-XMF-02822] c 14 N70-41994
Heated element fluid flow sensor Patent
[NASA-CASE-MSC-12084-1] c 12 N71-17569
Laser Doppler system for measuring three dimensional vector velocity Patent
[NASA-CASE-MFS-20386] c 21 N71-19212
Zeta potential flowmeter Patent
[NASA-CASE-XNP-06509] c 14 N71-23226
Traversing probe Patent
[NASA-CASE-XFR-02007] c 12 N71-24692
Laser fluid velocity detector Patent
[NASA-CASE-XAC-10770-1] c 16 N71-24828
Gas low pressure low flow rate metering system Patent
[NASA-CASE-FRC-10022] c 12 N71-26546
Nuclear mass flowmeter
[NASA-CASE-MFS-20485] c 14 N72-11365
Respiratory analysis system and method
[NASA-CASE-MSC-13436-1] c 05 N73-32015
Low power electromagnetic flowmeter providing accurate zero set
[NASA-CASE-ARC-10362-1] c 14 N73-32326
Electromagnetic flow rate meter --- for liquid metals
[NASA-CASE-LEW-10981-1] c 35 N74-21018
Leak detector
[NASA-CASE-MFS-21761-1] c 35 N75-15931
System for measuring three fluctuating velocity components in a turbulently flowing fluid
[NASA-CASE-ARC-10974-1] c 34 N77-27345

- Automatic flowmeter calibration system
[NASA-CASE-KSC-11076-1] c 34 N81-26402
Self-charging metering and dispensing device for fluids
[NASA-CASE-MSC-20275-1] c 35 N83-17856

FLUID AMPLIFIERS

- Fluid jet amplifier
[NASA-CASE-XLE-03512] c 12 N69-21466
Multway vortex valve system Patent
[NASA-CASE-XMF-04709] c 15 N71-15609
Shear modulated fluid amplifier Patent
[NASA-CASE-MFS-10412] c 12 N71-17578
Rocket thrust throttling system
[NASA-CASE-LEW-10374-1] c 28 N73-13773
Fluid pressure amplifier and system
[NASA-CASE-LAR-10868-1] c 33 N74-11050
Fluid thrust control system --- for liquid propellant rocket engines
[NASA-CASE-XMF-05964-1] c 20 N79-21124

FLUID DYNAMICS

- Degassifying and mixing apparatus for liquids --- potable water for spacecraft
[NASA-CASE-MSC-18936-1] c 35 N83-29652

FLUID FILLED SHELLS

- Method and apparatus for producing gas-filled hollow spheres --- target pellets for inertial confinement fusion
[NASA-CASE-NPO-14596-3] c 31 N83-31896

FLUID FILMS

- Journal bearings --- for lubricant films
[NASA-CASE-LEW-11076-1] c 37 N74-21061
Fluid journal bearings
[NASA-CASE-LEW-11076-4] c 37 N76-15461
Fluid seal for rotating shafts
[NASA-CASE-LEW-11676-1] c 37 N76-22541

FLUID FILTERS

- Liquid-gas separator for zero gravity environment Patent
[NASA-CASE-XMS-01492] c 05 N70-41297
High pressure filter Patent
[NASA-CASE-XNP-00732] c 28 N70-41447
Water separating system Patent
[NASA-CASE-XMS-13052] c 14 N71-20427
Fluid control apparatus and method
[NASA-CASE-LAR-11110-1] c 34 N75-26282
Filter regeneration systems --- a system for regenerating a system filter in a fluid flow line
[NASA-CASE-MSC-14273-1] c 34 N75-33342
Quick disconnect filter coupling
[NASA-CASE-MFS-22323-1] c 37 N76-14463
Fluid sample collection and distribution system --- qualitative analysis of aqueous samples from several points
[NASA-CASE-MSC-16841-1] c 34 N79-24285
Air removal device --- life support systems
[NASA-CASE-XLA-8914-2] c 25 N82-21269
Apparatus and method for destructive removal of particles contained in a flowing fluid
[NASA-CASE-NPO-15426-1] c 45 N83-20447
Rapid, quantitative determination of bacteria in water --- adenosine triphosphate
[NASA-CASE-GSC-12158-1] c 51 N83-27569

FLUID FLOW

- Fluid jet amplifier
[NASA-CASE-XLE-03512] c 12 N69-21466
Pneumatic system for controlling and actuating pneumatic cyclic devices
[NASA-CASE-XMS-04843] c 03 N89-21469
Full flow with shut off and selective drainage control valve Patent application
[NASA-CASE-ERC-10208] c 15 N70-10867
Conical valve plug Patent
[NASA-CASE-XLE-00715] c 15 N70-34859
Pressure regulating system Patent
[NASA-CASE-XNP-00450] c 15 N70-38603
Antiflutter ball check valve Patent
[NASA-CASE-XNP-01152] c 15 N70-41811
Inductive liquid level detection system Patent
[NASA-CASE-XLE-01609] c 14 N71-10500
Multway vortex valve system Patent
[NASA-CASE-XMF-04709] c 15 N71-15609
Heated element fluid flow sensor Patent
[NASA-CASE-MSC-12084-1] c 12 N71-17569
Multiple orifice throttle valve Patent
[NASA-CASE-XNP-09698] c 15 N71-18580
Fluid flow meter with comparator reference means Patent
[NASA-CASE-XGS-01331] c 14 N71-22996
Pressure transducer calibrator Patent
[NASA-CASE-XNP-01660] c 14 N71-23036
Dual latching solenoid valve Patent
[NASA-CASE-XMS-05890] c 09 N71-23191
Gas low pressure low flow rate metering system Patent
[NASA-CASE-FRC-10022] c 12 N71-26546
Electrohydrodynamic control valve Patent
[NASA-CASE-NPO-10416] c 12 N71-27332

- Fluid jet amplifier Patent
[NASA-CASE-XLE-09341] c 12 N71-28741
- Nuclear mass flowmeter
[NASA-CASE-MFS-20485] c 14 N72-11365
- Flow rate switch
[NASA-CASE-NPO-10722] c 09 N72-20199
- Torsional disconnect unit
[NASA-CASE-NPO-10704] c 15 N72-20445
- Capacitive tank gaging apparatus being independent of liquid distribution
[NASA-CASE-MFS-21629] c 14 N72-22442
- Cryogenic feedthrough
[NASA-CASE-LAR-10031] c 15 N72-22484
- Geysening inhibitor for vertical cryogenic transfer pipe
[NASA-CASE-KSC-10615] c 15 N73-12486
- Pump for delivering heated fluids
[NASA-CASE-NPO-11417] c 15 N73-24513
- Flow control valve --- for high temperature fluids
[NASA-CASE-NPO-11951-1] c 37 N74-21065
- Apparatus for establishing flow of a fluid mass having a known velocity
[NASA-CASE-MFS-21424-1] c 34 N74-27730
- Internally supported flexible duct joint --- device for conducting fluids in high pressure systems
[NASA-CASE-MFS-19193-1] c 37 N75-19686
- Flow measuring apparatus
[NASA-CASE-LEW-12078-1] c 35 N75-30503
- Filter regeneration systems --- a system for regenerating a system filter in a fluid flow line
[NASA-CASE-MSC-14273-1] c 34 N75-33342
- Combined dual scatter, local oscillator laser Doppler velocimeter
[NASA-CASE-ARC-10642-1] c 36 N76-14447
- Externally supported internally stabilized flexible duct joint
[NASA-CASE-MFS-19194-1] c 37 N76-14460
- Vortex generator for controlling the dispersion of effluents in a flowing liquid
[NASA-CASE-LAR-12045-1] c 34 N77-24423
- Pseudo-backscatter laser Doppler velocimeter employing antiparallel-reflector in the forward direction
[NASA-CASE-ARC-10970-1] c 36 N77-25501
- Accumulator
[NASA-CASE-MFS-19287-1] c 34 N77-30399
- Apparatus for measuring a sorbate dispersed in a fluid stream
[NASA-CASE-ARC-10896-1] c 35 N78-19465
- Flow compensating pressure regulator
[NASA-CASE-LEW-12718-1] c 34 N78-25351
- Fluid valve assembly
[NASA-CASE-MSC-12731-1] c 37 N78-25426
- Positive isolation disconnect
[NASA-CASE-MSC-16043-1] c 37 N79-11402
- Fluid velocity measuring device
[NASA-CASE-LAR-11729-1] c 34 N79-12359
- Hot foil transducer skin friction sensor
[NASA-CASE-LAR-12321-1] c 35 N82-24470
- Dual laser optical system and method for studying fluid flow
[NASA-CASE-MFS-25315-1] c 36 N83-29680
- FLUID INJECTION**
- Apparatus for igniting solid propellants Patent
[NASA-CASE-XLE-00207] c 28 N70-33375
- Method of igniting solid propellants Patent
[NASA-CASE-XLE-01988] c 27 N71-15634
- Aerodynamic spike nozzle Patent
[NASA-CASE-XGS-01143] c 31 N71-15647
- Process of forming particles in a cryogenic path Patent
[NASA-CASE-NPO-10250] c 23 N71-16212
- Apparatus for purging systems handling toxic, corrosive, noxious and other fluids Patent
[NASA-CASE-XMS-01905] c 12 N71-21089
- Tertiary flow injection thrust vectoring system Patent
[NASA-CASE-MFS-20831] c 28 N71-29153
- Programmable physiological infusion
[NASA-CASE-ARC-10447-1] c 52 N74-22771
- FLUID JETS**
- Propeller blade loading control Patent
[NASA-CASE-XAC-00139] c 02 N70-34856
- FLUID LOGIC**
- Logic AND gate for fluid circuits Patent
[NASA-CASE-XLA-07391] c 12 N71-17579
- FLUID MECHANICS**
- Leak detector Patent
[NASA-CASE-LAR-10323-1] c 12 N71-17573
- Parallel-plate viscometer with double diaphragm suspension
[NASA-CASE-NPO-11387] c 14 N73-14429
- Modified face seal for positive film stiffness
[NASA-CASE-LEW-12989-1] c 37 N82-12442
- FLUID POWER**
- Fluid power transmission Patent
[NASA-CASE-XMS-01445] c 12 N71-16031
- Fluid power transmitting gas bearing Patent
[NASA-CASE-ERC-10097] c 15 N71-28465

FLUID PRESSURE

- Flow compensating pressure regulator
[NASA-CASE-LEW-12718-1] c 34 N78-25351
- Self-stabilizing radial face seal
[NASA-CASE-LEW-12991-1] c 37 N81-24442
- FLUID ROTOR GYROSCOPES**
- Piezoelectric pump Patent
[NASA-CASE-XNP-05429] c 26 N71-21824
- FLUID SWITCHING ELEMENTS**
- Booster tank system Patent
[NASA-CASE-MSC-12390] c 27 N71-29155
- FLUID TRANSMISSION LINES**
- Low heat leak connector for cryogenic system
[NASA-CASE-XLE-02367-1] c 31 N79-21225
- FLUIDIC CIRCUITS**
- Technique of duplicating fragile core
[NASA-CASE-XLA-07829] c 15 N72-16329
- Flow measuring apparatus
[NASA-CASE-LEW-12078-1] c 35 N75-30503
- FLUIDICS**
- Fluidic-thermochromic display device Patent
[NASA-CASE-ERC-10031] c 12 N71-18603
- Plasma fluidic hybrid display Patent
[NASA-CASE-ERC-10100] c 09 N71-33519
- Fluidic proportional thrust system
[NASA-CASE-ARC-10106-1] c 28 N72-22769
- Fluid pressure amplifier and system
[NASA-CASE-LAR-10868-1] c 33 N74-11050
- Fluid valve assembly
[NASA-CASE-MSC-12731-1] c 37 N78-25426
- FLUIDIZED BED PROCESSORS**
- Continuous coal processing method
[NASA-CASE-NPO-13758-2] c 31 N81-15154
- Fluidized bed coal combustion reactor
[NASA-CASE-NPO-14273-1] c 25 N82-11144
- Solar heated fluidized bed gasification system
[NASA-CASE-NPO-15071-1] c 44 N82-16475
- Use of glow discharge in fluidized beds
[NASA-CASE-ARC-11245-1] c 28 N82-18401
- Fluidized bed coal liquefaction
[NASA-CASE-NPO-15891-1] c 25 N83-36120
- Fluidized bed liquefaction of biomass
[NASA-CASE-NPO-15907-1] c 25 N83-36121
- Fluidized bed desulfurization
[NASA-CASE-NPO-15924-1] c 25 N83-36122
- FLUIDS**
- Automated fluid chemical analyzer Patent
[NASA-CASE-XNP-09451] c 06 N71-26754
- Bacteria detection instrument and method
[NASA-CASE-GSC-11533-1] c 14 N73-13435
- Low outgassing polydimethylsiloxane material and preparation thereof
[NASA-CASE-GSC-11358-1] c 06 N73-26100
- Fluid mass sensor for a zero gravity environment
[NASA-CASE-MSC-14653-1] c 35 N77-19385
- FLUORESCENCE**
- Apparatus for producing three-dimensional recordings of fluorescence spectra Patent
[NASA-CASE-XGS-01231] c 14 N70-41676
- Internal work light Patent
[NASA-CASE-XKS-05932] c 09 N71-26787
- Chromatographic drug detector --- device for detecting and recording fluorescent properties of materials
[NASA-CASE-ARC-10633-1] c 25 N74-26947
- Fluorescence detector for monitoring atmospheric pollutants
[NASA-CASE-NPO-13231-1] c 45 N75-27585
- Fluorescent radiation converter
[NASA-CASE-GSC-12528-1] c 74 N81-24900
- FLUORIDES**
- Self-lubricating fluoride metal composite materials Patent
[NASA-CASE-XLE-08511] c 18 N71-23710
- Corrosion resistant beryllium Patent
[NASA-CASE-LEW-10327] c 17 N71-33408
- Perfluoro polyether acyl fluorides
[NASA-CASE-NPO-10765] c 06 N72-20121
- FLUORINATION**
- Highly fluorinated polyurethanes
[NASA-CASE-NPO-10767-2] c 06 N72-27151
- Fluorinated esters of polycarboxylic acids
[NASA-CASE-MFS-21040-1] c 06 N73-30098
- FLUORINE**
- Reaction of fluorine with polyperfluoropolyenes
[NASA-CASE-NPO-10862] c 06 N72-22107
- Process for the preparation of fluorine containing crosslinked elastomeric polytriazines and product so produced
[NASA-CASE-ARC-11248-1] c 27 N81-17259
- FLUORINE COMPOUNDS**
- Fluorine-containing polyformals
[NASA-CASE-XMF-06900-1] c 27 N79-21191
- Precision heat forming of tetrafluoroethylene tubing
[NASA-CASE-MSC-18430-1] c 37 N82-24491

FLUORO COMPOUNDS

- New polymers of perfluorobutadiene and method of manufacture Patent application
[NASA-CASE-NPO-10863] c 06 N70-11251
- Method of polymerizing perfluorobutadiene Patent application
[NASA-CASE-NPO-10447] c 06 N70-11252
- Fluorohydroxy ethers
[NASA-CASE-MFS-10507] c 06 N73-30101
- Highly fluorinated polymers
[NASA-CASE-MFS-11492] c 06 N73-30102
- Highly fluorinated polyurethanes
[NASA-CASE-NPO-10767-1] c 06 N73-33076
- Utilization of oxygen difluoride for syntheses of fluoropolymers
[NASA-CASE-NPO-12061-1] c 27 N76-16228
- The 1,1,1-trifluoro-2,2,2-trifluoroethanes and process for their synthesis
[NASA-CASE-ARC-11097-1] c 25 N82-24312
- FLUOROCARBONS**
- Electrically conductive fluorocarbon polymer
[NASA-CASE-XLE-06774-2] c 06 N72-25150
- FLUOROPOLYMERS**
- Perfluoroalkyl polytriazines containing pendent additively fluoromethyl groups
[NASA-CASE-ARC-11241-1] c 25 N81-14016
- Texturing polymer surfaces by transfer casting --- cardiovascular prostheses
[NASA-CASE-LEW-13120-1] c 27 N82-28440
- Surface texturing of fluoropolymers
[NASA-CASE-LEW-13028-1] c 27 N82-33521
- FLUTTER**
- Antiflutter ball check valve Patent
[NASA-CASE-XNP-01152] c 15 N70-41811
- Suppression of flutter
[NASA-CASE-LAR-10682-1] c 02 N73-26004
- Decoupler pylon wing/store flutter suppressor
[NASA-CASE-LAR-12468-1] c 08 N82-32373
- Model mount system for testing flutter
[NASA-CASE-LAR-12950-1] c 09 N83-25727
- FLUX (RATE)**
- Two axis fluxgate magnetometer Patent
[NASA-CASE-GSC-10441-1] c 14 N71-27325
- FLUX DENSITY**
- Particle beam measurement apparatus using beam kinetic energy to change the heat sensitive resistance of the detection probe Patent
[NASA-CASE-XLE-00243] c 14 N70-38602
- FLUXES**
- Solder flux which leaves corrosion-resistant coating Patent
[NASA-CASE-XNP-03459-2] c 18 N71-15688
- Soldering with solder flux which leaves corrosion resistant coating Patent
[NASA-CASE-XNP-03459] c 15 N71-21078
- FLYWHEELS**
- Energy storage apparatus
[NASA-CASE-GSC-12030-1] c 44 N78-24608
- Rotatable mass for a flywheel
[NASA-CASE-MFS-23051-1] c 37 N79-10422
- Safety flywheel --- using flexible materials energy storage
[NASA-CASE-HQN-10888-1] c 44 N79-14527
- Method of manufacture of bonded fiber flywheel --- fiberglass-epoxy
[NASA-CASE-MFS-23674-1] c 24 N81-29163
- FOAMS**
- Foam generator Patent
[NASA-CASE-XLA-00838] c 03 N70-36778
- Method for continuous variation of propellant flow and thrust in propulsive devices Patent
[NASA-CASE-XLE-00177] c 28 N70-40367
- Filament wound container Patent
[NASA-CASE-XLE-03803] c 15 N71-23816
- Novel polycarboxylic prepolymeric materials and polymers thereof Patent
[NASA-CASE-NPO-10596] c 06 N71-25929
- Thermally activated foaming compositions Patent
[NASA-CASE-LAR-10373-1] c 18 N71-26155
- Method of making a solid propellant rocket motor Patent
[NASA-CASE-XLA-04126] c 28 N71-26779
- Thickness measuring and injection device Patent
[NASA-CASE-MFS-20261] c 14 N71-27005
- Method of making foamed materials in zero gravity
[NASA-CASE-XMF-09902] c 15 N72-11387
- Polyimide foam for the thermal insulation and fire protection
[NASA-CASE-ARC-10464-1] c 27 N74-12812
- Intumescent composition, foamed product prepared therewith and process for making same
[NASA-CASE-ARC-10304-2] c 27 N74-27037
- Polymers foams from cross-linkable poly-n-arylenebenzimidazoles
[NASA-CASE-ARC-11008-1] c 27 N78-31232

Ambient cure polyimide foams --- thermal resistant foams
[NASA-CASE-ARC-11170-1] c 27 N79-11215

Catalysts for polyimide foams from aromatic isocyanates and aromatic dianhydrides --- flame retardant foams
[NASA-CASE-ARC-11107-1] c 25 N80-16116

Insulation bonding test system
[NASA-CASE-MFS-25862-1] c 27 N83-19903

FOCI

High speed multi focal plane optical system
[NASA-CASE-GSC-12683-1] c 74 N83-36898

FOCUSING

X-ray reflection collimator adapted to focus X-radiation directly on a detector Patent
[NASA-CASE-XHQ-04106] c 14 N70-40240

Focusing system for an ion source having apertured electrodes Patent
[NASA-CASE-XNP-03332] c 09 N71-10618

Petzval type objective including field shaping lens Patent
[NASA-CASE-GSC-10700] c 23 N71-30027

Absolute focus lock for microscopes
[NASA-CASE-LAR-10184] c 14 N72-22445

Electron beam controller --- using magnetic field to refocus spent electron beam in microwave oscillator tube
[NASA-CASE-LEW-11617-1] c 33 N74-10195

Automatic focus control for facsimile cameras
[NASA-CASE-LAR-11213-1] c 35 N75-15014

Multiplate focusing collimator --- for scanning small near radiation sources
[NASA-CASE-MFS-20932-1] c 35 N75-19616

RF beam center location method and apparatus for power transmission system
[NASA-CASE-NPO-13821-1] c 44 N78-28594

Dual aperture multispectral Schmidt objective
[NASA-CASE-GSC-12756-1] c 74 N82-30073

Scanning atocal laser velocimeter projection lens system
[NASA-CASE-LAR-12328-1] c 36 N82-32712

Gyrotron transmitting tube
[NASA-CASE-LEW-13429-1] c 33 N83-31952

FOG

Anti-fog composition --- for prevention of fogging on surfaces such as space helmet visors and windshields
[NASA-CASE-MSC-13530-2] c 23 N75-14834

Environmental fog/rain visual display system for aircraft simulators
[NASA-CASE-ARC-11158-1] c 09 N82-24212

FOILS (MATERIALS)

Foil seal
[NASA-CASE-XLE-05130] c 15 N69-21362

Method of making an insulation foil
[NASA-CASE-LEW-11484-1] c 24 N75-33181

Partial interlaminar separation system for composites
[NASA-CASE-LAR-12065-1] c 24 N81-14000

Method of making a partial interlaminar separation composite system
[NASA-CASE-LAR-12065-2] c 24 N81-33235

FOLDING

Folding apparatus Patent
[NASA-CASE-XLA-00137] c 15 N70-33180

FOLDING STRUCTURES

Space and atmospheric reentry vehicle Patent
[NASA-CASE-XGS-00260] c 31 N70-37924

Collapsible loop antenna for space vehicle Patent
[NASA-CASE-XMF-00437] c 07 N70-40202

Folding boom assembly Patent
[NASA-CASE-XGS-00938] c 32 N70-41367

Foldable conduit Patent
[NASA-CASE-XLE-00620] c 32 N70-41579

Foldable solar concentrator Patent
[NASA-CASE-XLA-04822] c 03 N70-41580

Wing deployment method and apparatus Patent
[NASA-CASE-XMS-00907] c 02 N70-41630

Variable sweep aircraft Patent
[NASA-CASE-XLA-03659] c 02 N71-11041

Radiator deployment actuator Patent
[NASA-CASE-MSC-11817-1] c 15 N71-26611

Foldable construction block
[NASA-CASE-MSC-12233-1] c 15 N72-25454

Folding structure fabricated of rigid panels
[NASA-CASE-XHQ-02146] c 18 N75-27040

Collapsible corrugated horn antenna
[NASA-CASE-LAR-11745-1] c 32 N80-29539

Foldable beam
[NASA-CASE-LAR-12077-1] c 31 N81-25259

Telescoping columns --- parabolic antenna support
[NASA-CASE-LAR-12195-1] c 31 N81-27324

Sequentially deployable maneuverable tetrahedral beam
[NASA-CASE-LAR-13098-1] c 31 N83-35178

FOOD

Bacteria detection instrument and method
[NASA-CASE-GSC-11533-1] c 14 N73-13435

FOOTPRINTS

Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths
[NASA-CASE-NPO-14525-2] c 32 N83-31918

FORCE

Ferrofluidic solenoid
[NASA-CASE-NPO-11738-1] c 09 N73-30185

FORCE DISTRIBUTION

Device for handling heavy loads
[NASA-CASE-XNP-04969] c 11 N69-27466

Two force component measuring device Patent
[NASA-CASE-XAC-04886-1] c 14 N71-20439

Tensile strength testing device Patent
[NASA-CASE-XNP-05634] c 15 N71-24834

Impact monitoring apparatus
[NASA-CASE-MSC-15626-1] c 14 N72-25411

Variable direction force coupler
[NASA-CASE-MFS-20317] c 15 N73-13463

Subminiature insertable force transducer --- including a strain gage to measure forces in muscles
[NASA-CASE-NPO-13423-1] c 33 N75-31329

FORCED VIBRATION

Seismic vibration source
[NASA-CASE-NPO-14112-1] c 46 N79-22679

FOREBODIES

Aerodynamic side-force alleviator means
[NASA-CASE-LAR-12326-1] c 02 N81-14968

FORMALDEHYDE

An improved synthesis of 2,4,8,10-tetroxaspiro (5 5) undecane
[NASA-CASE-ARC-11243-2] c 23 N80-31472

Synthesis of polyformals
[NASA-CASE-ARC-11244-1] c 23 N82-16174

FORMAT

Digital data reformatter/deserializer
[NASA-CASE-NPO-13676-1] c 60 N79-20751

FORMATES

Fluorine containing polyurethane
[NASA-CASE-MFS-10509] c 06 N73-30103

FORMING TECHNIQUES

Wire grid forming apparatus Patent
[NASA-CASE-XLE-00023] c 15 N70-33330

Method for forming plastic materials Patent
[NASA-CASE-XMS-05516] c 15 N71-17803

Method of making tubes Patent
[NASA-CASE-XGS-04175] c 15 N71-18579

Magnetomotive metal working device Patent
[NASA-CASE-XMF-03793] c 15 N71-24833

Apparatus for making curved reflectors Patent
[NASA-CASE-XLE-08917-2] c 15 N71-24836

Method of forming shapes from planar sheets of thermosetting materials
[NASA-CASE-NPO-11036] c 15 N72-24522

Method of heat treating a formed powder product material
[NASA-CASE-LEW-10805-3] c 26 N74-10521

Molding apparatus --- for thermosetting plastic compositions
[NASA-CASE-LAR-10489-2] c 31 N74-32920

Process for making sheets with parallel pores of uniform size
[NASA-CASE-GSC-10984-1] c 37 N75-26371

Drilled ball bearing with a one piece anti-tipping cage assembly
[NASA-CASE-LEW-11925-1] c 37 N75-31446

Apparatus for forming dashed ion thruster grids
[NASA-CASE-LEW-11694-2] c 37 N76-14461

Acoustic energy shaping
[NASA-CASE-NPO-13802-1] c 71 N78-10837

Method of forming metal hydride films
[NASA-CASE-LEW-12083-1] c 37 N78-13436

Method of producing complex aluminum alloy parts of high temper, and products thereof
[NASA-CASE-MSC-19693-1] c 26 N78-24333

Solar cell with improved N-region contact and method of forming the same
[NASA-CASE-NPO-14205-1] c 44 N79-31752

Method and apparatus for producing concentric hollow spheres --- inertial confinement fusion targets
[NASA-CASE-NPO-14596-1] c 31 N81-33319

Precision heat forming of tetrafluoroethylene tubing
[NASA-CASE-MSC-18430-1] c 37 N82-24491

Sphere forming method and apparatus
[NASA-CASE-NPO-15070-1] c 31 N83-35176

FOUNDATIONS

Expandable support means
[NASA-CASE-NPO-11059] c 15 N72-17454

FOURIER TRANSFORMATION

Continuous Fourier transform method and apparatus --- for the analysis of simultaneous analog signal components
[NASA-CASE-ARC-10466-1] c 60 N75-13539

Integrated optics in an electrically scanned imaging Fourier transform spectrometer
[NASA-CASE-NPO-15844-1] c 74 N83-12992

FRACTIONATION

Method and apparatus for distillation of liquids Patent
[NASA-CASE-XNP-08124] c 15 N71-27184

Electrophoretic fractional elution apparatus employing a rotational seal fraction collector
[NASA-CASE-MFS-23284-1] c 37 N80-14397

Electrophoresis device
[NASA-CASE-MFS-25426-1] c 25 N83-10126

A spillage detector for liquid chromatography systems
[NASA-CASE-MSC-20206-1] c 25 N83-29325

FRACTURE MECHANICS

Apparatus for positioning and loading a test specimen Patent
[NASA-CASE-XLE-01300] c 15 N70-41993

Elastomer toughened polyimide adhesives
[NASA-CASE-LAR-12775] c 27 N83-29390

FRACTURE STRENGTH

Process for making a high toughness-high strength ion alloy
[NASA-CASE-LEW-12542-2] c 26 N79-22271

High toughness-high strength iron alloy
[NASA-CASE-LEW-12542-3] c 26 N80-32484

Method of making a partial interlaminar separation composite system
[NASA-CASE-LAR-12065-2] c 24 N81-33235

FRAMES

Articulated multiple couch assembly Patent
[NASA-CASE-MSC-11253] c 05 N71-12343

Soft frame adjustable eyeglasses Patent
[NASA-CASE-XMS-06064] c 05 N71-23096

Expandable space frames
[NASA-CASE-ERC-10365-1] c 31 N73-32749

Laser measuring system for incremental assemblies --- measuring wire-wrapped frame assemblies in spark chambers
[NASA-CASE-GSC-12321-1] c 36 N82-16396

Inorganic spark chamber frame and method of making the same
[NASA-CASE-GSC-12354-1] c 35 N82-24471

FRAMING CAMERAS

High speed photo-optical time recording
[NASA-CASE-KSC-10294] c 14 N72-18411

FREE FALL

Tower evaporator
[NASA-CASE-NPO-15609-1] c 25 N83-36119

FREE FLIGHT TEST APPARATUS

Support apparatus for dynamic testing Patent
[NASA-CASE-XMF-01772] c 11 N70-41677

Hydraulic support for dynamic testing Patent
[NASA-CASE-XMF-03248] c 11 N71-10604

Test unit free-flight suspension system Patent
[NASA-CASE-XLA-00939] c 11 N71-15926

FREE WING AIRCRAFT

Free wing assembly for an aircraft
[NASA-CASE-FRC-10092-1] c 05 N79-12061

FREEZE DRYING

Modification of the physical properties of freeze-dried rice
[NASA-CASE-MSC-13540-1] c 05 N72-33096

FREEZING

System for and method of freezing biological tissue
[NASA-CASE-GSC-12173-1] c 51 N79-10694

Method of forming frozen spheres in a force-free drop tower
[NASA-CASE-NPO-14845-1] c 27 N82-28442

FREON

Solar energy power system --- using Freon
[NASA-CASE-MFS-21628-1] c 44 N75-32581

FREQUENCIES

Controlled oscillator system with a time dependent output frequency
[NASA-CASE-NPO-11962-1] c 33 N74-10194

High efficiency multifrequency feed
[NASA-CASE-GSC-11909] c 32 N74-20863

FREQUENCY ANALYZERS

Digital frequency discriminator Patent
[NASA-CASE-MFS-14322] c 08 N71-18692

Broadband frequency discriminator Patent
[NASA-CASE-NPO-10096] c 07 N71-24583

Audio frequency marker system
[NASA-CASE-NPO-11147] c 14 N72-27408

Continuous Fourier transform method and apparatus --- for the analysis of simultaneous analog signal components
[NASA-CASE-ARC-10466-1] c 60 N75-13539

Frequency discriminator and phase detector circuit
[NASA-CASE-NPO-11515-1] c 33 N77-13315

FREQUENCY CONTROL

Bus voltage compensation circuit for controlling direct current motor
[NASA-CASE-XMS-04215-1] c 09 N69-39987

Variable frequency magnetic multivibrator Patent
[NASA-CASE-XGS-00458] c 09 N70-38604

Variable frequency magnetic multivibrator Patent
[NASA-CASE-XGS-00131] c 09 N70-38995
Automatic frequency discriminators and control for a phase-lock loop providing frequency preset capabilities Patent
[NASA-CASE-XMF-08665] c 10 N71-19467
Linear accelerator frequency control system Patent
[NASA-CASE-XGS-05441] c 10 N71-22962
Tuning arrangement for an electron discharge device or the like Patent
[NASA-CASE-XNP-09771] c 09 N71-24841
Low loss dichroic plate
[NASA-CASE-NPO-13171-1] c 32 N74-11000
Automatic frequency control for FM transmitter
[NASA-CASE-MFS-21540-1] c 32 N74-19790
Acoustically controlled distributed feedback laser
[NASA-CASE-NPO-13175-1] c 36 N75-31427
Reflex feed system for dual frequency antenna with frequency cutoff means
[NASA-CASE-NPO-14022-1] c 32 N78-31321
Cam-operated pitch-change apparatus
[NASA-CASE-LEW-13050-1] c 07 N79-14095
Digital numerically controlled oscillator
[NASA-CASE-MSC-16747-1] c 33 N81-17349
High stability buffered phase comparator
[NASA-CASE-GSC-12645-1] c 33 N81-31482
Spectrophone stabilized laser with line center offset frequency control
[NASA-CASE-NPO-15516-1] c 36 N82-26652
Automatic oscillator frequency control system
[NASA-CASE-GSC-12804-1] c 33 N83-35228

FREQUENCY CONVERTERS

Frequency to analog converter Patent
[NASA-CASE-XNP-07040] c 08 N71-12500
Static inverters which sum a plurality of waves Patent
[NASA-CASE-XMF-00663] c 08 N71-18752
Voltage to frequency converter Patent
[NASA-CASE-GSC-10022-1] c 10 N71-25882
Family of frequency to amplitude converters
[NASA-CASE-MSC-12395] c 09 N72-25257
Variable frequency inverter for ac induction motors with torque, speed and braking control
[NASA-CASE-MFS-22088-1] c 33 N75-15874

FREQUENCY DISCRIMINATORS

PN lock indicator for dithered PN code tracking loop
[NASA-CASE-NPO-14435-1] c 33 N81-33405

FREQUENCY DISTRIBUTION

Antenna system using parasitic elements and two driven elements at 90 deg angle fed 180 deg out of phase Patent
[NASA-CASE-XLA-00414] c 07 N70-38200
Variable frequency oscillator with temperature compensation Patent
[NASA-CASE-XNP-03916] c 09 N71-28810
Ultra stable frequency distribution system
[NASA-CASE-NPO-13836-1] c 32 N78-15323

FREQUENCY DIVIDERS

Low phase noise digital frequency divider
[NASA-CASE-NPO-11569] c 10 N73-26229
Technique for extending the frequency range of digital dividers
[NASA-CASE-LAR-10730-1] c 33 N74-10223
Symmetrical odd-modulus frequency divider
[NASA-CASE-NPO-13426-1] c 33 N75-31330
Electronic analog divider
[NASA-CASE-LEW-11881-1] c 33 N77-17354

FREQUENCY DIVISION MULTIPLEXING

Satellite communication system and method Patent
[NASA-CASE-GSC-10118-1] c 07 N71-24621
Frequency division multiplex technique
[NASA-CASE-KSC-10521] c 07 N73-20176

FREQUENCY MEASUREMENT

Measurement system
[NASA-CASE-MFS-20658-1] c 14 N73-30386
Frequency measurement by coincidence detection with standard frequency
[NASA-CASE-MSC-14849-1] c 33 N76-16331
Time domain phase measuring apparatus
[NASA-CASE-GSC-12228-1] c 33 N79-10338

FREQUENCY MODULATION

Accelerometer with FM output Patent
[NASA-CASE-XLA-00492] c 14 N70-34799
Means for generating a sync signal in an FM communication system Patent
[NASA-CASE-XNP-10830] c 07 N71-11281
Bi-carrier demodulator with modulation Patent
[NASA-CASE-XMF-01160] c 07 N71-11298
Optical tracker having overlapping reticles on parallel axes Patent
[NASA-CASE-XGS-05715] c 23 N71-16100
Atomic hydrogen maser with bulb temperature control to remove wall shift in maser output frequency
[NASA-CASE-HQN-10654-1] c 16 N73-13489
Junction range finder
[NASA-CASE-KSC-10108] c 14 N73-25461

Automatic frequency control for FM transmitter
[NASA-CASE-MFS-21540-1] c 32 N74-19790
Symmetrical odd-modulus frequency divider
[NASA-CASE-NPO-13426-1] c 33 N75-31330
Frequency modulated oscillator
[NASA-CASE-MFS-23181-1] c 33 N77-17351
FM/CW radar system
[NASA-CASE-MSC-22234-1] c 32 N79-10264
Thickness measurement system
[NASA-CASE-MFS-23721-1] c 31 N79-28370
Method and apparatus for Doppler frequency modulation of radiation
[NASA-CASE-NPO-14524-1] c 32 N80-24510
Adaptive control system for line-commutated inverters
[NASA-CASE-MFS-25209-1] c 33 N83-35227

FREQUENCY MULTIPLIERS

Multiple varactor frequency doubler Patent
[NASA-CASE-XMF-04958-1] c 10 N71-26414
Open loop digital frequency multiplier
[NASA-CASE-MSC-12709-1] c 33 N77-24375

FREQUENCY RANGES

Variable time constant smoothing circuit Patent
[NASA-CASE-XGS-01983] c 10 N70-41964
Variable frequency nuclear magnetic resonance spectrometer Patent
[NASA-CASE-XNP-09830] c 14 N71-26266
Technique for extending the frequency range of digital dividers
[NASA-CASE-LAR-10730-1] c 33 N74-10223
Multichannel logarithmic RF level detector
[NASA-CASE-LAR-11021-1] c 32 N76-14321
Multiple rate digital command detection system with range clean-up capability
[NASA-CASE-NPO-13753-1] c 32 N77-20289
Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths
[NASA-CASE-NPO-14525-1] c 32 N79-19195

FREQUENCY SCANNING

Automatic communication signal monitoring system
[NASA-CASE-NPO-13941-1] c 32 N79-10262
Frequency-scanning particle size spectrometer
[NASA-CASE-NPO-13606-2] c 35 N80-18364
Apparatus and method for determining the position of a radiant energy source
[NASA-CASE-GSC-12147-1] c 32 N81-27341

FREQUENCY SHIFT

Doppler frequency spread correction device for multiplex transmissions
[NASA-CASE-XGS-02749] c 07 N69-39978
Serrordyne frequency converter re-entrant amplifier system Patent
[NASA-CASE-XGS-01022] c 07 N71-16088
Elimination of frequency shift in a multiplex communication system Patent
[NASA-CASE-XNP-01306] c 07 N71-20814
Laser fluid velocity detector Patent
[NASA-CASE-XAC-10770-1] c 16 N71-24828
Laser Doppler velocity simulator --- to induce frequency shift
[NASA-CASE-LAR-12176-1] c 36 N80-16321

FREQUENCY SHIFT KEYING

Frequency shift keyed demodulator Patent
[NASA-CASE-XGS-02889] c 07 N71-11282
Frequency shift keying apparatus Patent
[NASA-CASE-XGS-01537] c 07 N71-23405
A single frequency multitransmitter telemetry system
[NASA-CASE-LAR-13006-1] c 17 N83-20995

FREQUENCY STABILITY

Method and apparatus for stabilizing a gaseous optical maser Patent
[NASA-CASE-XGS-03644] c 16 N71-18814
Broadband stable power multiplier Patent
[NASA-CASE-XNP-10854] c 10 N71-26331
Spectrophone stabilized laser with line center offset frequency control
[NASA-CASE-NPO-15516-1] c 36 N82-26652

FREQUENCY STANDARDS

Method of resolving clock synchronization error and means therefor Patent
[NASA-CASE-XNP-08875] c 10 N71-23099
Atomic standard with variable storage volume
[NASA-CASE-GSC-11895-1] c 35 N76-15436
Ultra stable frequency distribution system
[NASA-CASE-NPO-13836-1] c 32 N78-15323
External bulb variable volume maser
[NASA-CASE-GSC-12334-1] c 36 N79-14362
Precise RF timing signal distribution to remote stations --- fiber optics
[NASA-CASE-NPO-14749-1] c 32 N81-14186

FREQUENCY SYNCHRONIZATION

Pseudonoise (PN) synchronization of data system with derivation of clock frequency from received signal for clocking receiver PN generator
[NASA-CASE-XNP-03623] c 09 N73-28084
Ultra stable frequency distribution system
[NASA-CASE-NPO-13836-1] c 32 N78-15323

System for synchronizing synthesizers of communication systems
[NASA-CASE-GSC-12148-1] c 32 N79-20296

FREQUENCY SYNTHESIZERS

Digitally controlled frequency synthesizer Patent
[NASA-CASE-XGS-02317] c 09 N71-23525
System for synchronizing synthesizers of communication systems
[NASA-CASE-GSC-12148-1] c 32 N79-20296
Method for shaping and aiming narrow beams --- sonar mapping and target identification
[NASA-CASE-NPO-14632-1] c 32 N82-18443

FRICTION

Missile rolling tail brake torque system --- simulating bearing friction on canard controlled missiles
[NASA-CASE-LAR-12751-1] c 37 N82-26675
Refractory coatings
[NASA-CASE-LEW-13169-2] c 26 N82-30371
Thumb actuated two axis controller
[NASA-CASE-ARC-11372-1] c 08 N83-12098

FRICTION FACTOR

Self-lubricating gears and other mechanical parts Patent
[NASA-CASE-MFS-14971] c 15 N71-24984

FRICTION MEASUREMENT

Friction measuring apparatus Patent
[NASA-CASE-XNP-08680] c 14 N71-22995
Static coefficient test method and apparatus
[NASA-CASE-GSC-11893-1] c 35 N76-31489

FRICTION REDUCTION

Low friction magnetic recording tape Patent
[NASA-CASE-XGS-00373] c 23 N71-15978
Production of hollow components for rolling element bearings by diffusion welding
[NASA-CASE-LEW-11026-1] c 15 N73-33383

FRICTIONLESS ENVIRONMENTS

Air bearing Patent
[NASA-CASE-XMF-01887] c 15 N71-10617
Air cushion lift pad Patent
[NASA-CASE-MFS-14685] c 31 N71-15689
Method and apparatus of simulating zero gravity conditions Patent
[NASA-CASE-MFS-12750] c 27 N71-16223

FROST

Insulating structure Patent
[NASA-CASE-XMF-00341] c 15 N70-33323
Device for determining frost depth and density
[NASA-CASE-MFS-25754-1] c 31 N82-26503

FUEL CAPSULES

Acoustic suspension system
[NASA-CASE-NPO-15435-1] c 71 N83-36846

FUEL CELL POWER PLANTS

Reactant pressure differential control for fuel cell gases
[NASA-CASE-MSC-20127-1] c 44 N82-32843

FUEL CELLS

Method of making membranes
[NASA-CASE-XNP-04264] c 03 N69-21337
Combined electrolysis device and fuel cell and method of operation Patent
[NASA-CASE-XLE-01645] c 03 N71-20904
Sealing member and combination thereof and method of producing said sealing member Patent
[NASA-CASE-XMS-01625] c 15 N71-23022
Ion-exchange membrane with platinum electrode assembly Patent
[NASA-CASE-XMS-02083] c 03 N71-29044
Reconstituted asbestos matrix --- for use in fuel or electrolysis cells
[NASA-CASE-MSC-12568-1] c 24 N76-14204
Dual membrane hollow fiber fuel cell and method of operating same
[NASA-CASE-NPO-13732-1] c 44 N79-10513

FUEL COMBUSTION

Fuel combustor
[NASA-CASE-LEW-12137-1] c 25 N78-10224

FUEL CONTROL

Altitude and propellant flow control system and method Patent
[NASA-CASE-XMF-00185] c 21 N70-34539
Flexible ring slosh damping baffle Patent
[NASA-CASE-LAR-10317-1] c 32 N71-16103
Buoyant anti-slosh system Patent
[NASA-CASE-XLA-04605] c 32 N71-16106
Control valve and co-axial variable injector Patent
[NASA-CASE-XNP-09702] c 15 N71-17654
Force-balanced, throttle valve Patent
[NASA-CASE-NPO-10808] c 15 N71-27432
Gas turbine engine fuel control
[NASA-CASE-LEW-11187-1] c 28 N73-19793
Automotive gas turbine fuel control
[NASA-CASE-LEW-12785-1] c 37 N78-24545
Electrical servo actuator bracket --- fuel control valves on jet engines
[NASA-CASE-FRC-11044-1] c 37 N81-33483

FUEL FLOW

System for preconditioning a combustible vapor
[NASA-CASE-NPO-12072] c 28 N72-22772

FUEL FLOW REGULATORS

Two-step rocket engine bipropellant valve Patent
[NASA-CASE-XMS-04890-1] c 15 N70-22192
Passively regulated water electrolysis rocket engine Patent
[NASA-CASE-XGS-08729] c 28 N71-14044
Oil cooling system for a gas turbine engine
[NASA-CASE-LEW-12830-1] c 07 N77-23106

FUEL GAGES

Response analyzers for sensors Patent
[NASA-CASE-MFS-11204] c 14 N71-29134

FUEL INJECTION

Injector-valve device Patent
[NASA-CASE-XLE-00303] c 15 N70-36535
Rocket engine injector Patent
[NASA-CASE-XLE-00111] c 28 N70-38199
Injector assembly for liquid fueled rocket engines Patent
[NASA-CASE-XMF-00968] c 28 N71-15660
Injection head for delivering liquid fuel and oxidizers
[NASA-CASE-NPO-10046] c 28 N72-17843
Injector for use in high voltage isolators for liquid feed lines
[NASA-CASE-NPO-11377] c 15 N73-27406
Supercritical fuel injection system
[NASA-CASE-LEW-12990-1] c 07 N81-29129
Low thrust monopropellant engine
[NASA-CASE-GSC-12194-2] c 20 N82-18314

FUEL OILS

Oil cooling system for a gas turbine engine
[NASA-CASE-LEW-12830-1] c 07 N77-23106

FUEL PUMPS

Fuel injection pump for internal combustion engines Patent
[NASA-CASE-MSC-12139-1] c 28 N71-14058

FUEL SYSTEMS

Propellant feed isolator Patent
[NASA-CASE-LEW-10210-1] c 28 N71-26781
System for preconditioning a combustible vapor
[NASA-CASE-NPO-12072] c 28 N72-22772
Supersonic-combustion rocket
[NASA-CASE-LEW-11058-1] c 20 N74-13502
Fuel combustor
[NASA-CASE-LEW-12137-1] c 25 N78-10224
Fuel delivery system including heat exchanger means
[NASA-CASE-LEW-12793-1] c 37 N79-11403
Supercritical fuel injection system
[NASA-CASE-LEW-12990-1] c 07 N81-29129
Apparatus for improving the fuel efficiency of a gas turbine engine
[NASA-CASE-LEW-13142-1] c 07 N83-36029

FUEL TANK PRESSURIZATION

Venting vapor apparatus Patent
[NASA-CASE-XLE-00288] c 15 N70-34247
Automatic pump Patent
[NASA-CASE-XNP-04731] c 15 N71-24042
Propellant tank pressurization system Patent
[NASA-CASE-XNP-00650] c 27 N71-28929

FUEL TANKS

Reduced gravity liquid configuration simulator
[NASA-CASE-XLE-02624] c 12 N69-39988
Flexible ring slosh damping baffle Patent
[NASA-CASE-LAR-10317-1] c 32 N71-16103
Buoyant anti-slosh system Patent
[NASA-CASE-XLA-04605] c 32 N71-16106
Instrument for measuring the dynamic behavior of liquids Patent
[NASA-CASE-XLA-05541] c 12 N71-26387
Electrical apparatus for detection of thermal decomposition of insulation Patent
[NASA-CASE-XMF-03968] c 14 N71-27186
High performance channel injection sealant invention abstract
[NASA-CASE-ARC-14408-1] c 27 N82-33523

FUEL VALVES

Injector-valve device Patent
[NASA-CASE-XLE-00303] c 15 N70-36535
Semitoroidal diaphragm cavitating valve Patent
[NASA-CASE-XNP-09704] c 12 N71-18615
Filler valve Patent
[NASA-CASE-XNP-01747] c 15 N71-23024
Combination automatic-starting electrical plasma torch and gas shutoff valve -- for satellite attitude control
[NASA-CASE-XLE-10717] c 37 N75-29426

FUELS

Atomic hydrogen storage method and apparatus
[NASA-CASE-LEW-12081-3] c 28 N81-14103

FUNCTION GENERATORS

Line following servosystem Patent
[NASA-CASE-XAC-00001] c 15 N71-28952
Digital quasi-exponential function generator
[NASA-CASE-NPO-11130] c 08 N72-20176

Electro-mechanical sine/cosine generator

[NASA-CASE-LAR-10503-1] c 09 N72-21248
Function generator for synthesizing complex vibration mode patterns
[NASA-CASE-LAR-10310-1] c 10 N73-20253
Derivation of a tangent function using an integrated circuit four-quadrant multiplier
[NASA-CASE-MSC-13907-1] c 10 N73-26230

FURTABLE ANTENNAS

Unfurlable structure including coiled strips thrust launched upon tension release Patent
[NASA-CASE-HQN-00937] c 07 N71-28979
Singly-curved reflector for use in high-gain antennas
[NASA-CASE-NPO-11361] c 07 N72-32169
Furlable antenna -- antenna design
[NASA-CASE-NPO-13553-1] c 33 N76-32457

FURNACES

High-speed infrared furnace
[NASA-CASE-XLE-10466] c 17 N69-25147
Black-body furnace Patent
[NASA-CASE-XLE-01399] c 33 N71-15625
Induction furnace with perforated tungsten foil shielding Patent
[NASA-CASE-XLE-04026] c 14 N71-23267
High temperature furnace for melting materials in space
[NASA-CASE-MFS-20710] c 11 N72-23215
High temperature strain gage calibration fixture
[NASA-CASE-LAR-11500-1] c 35 N76-24523
Exothermic furnace module
[NASA-CASE-MFS-25707-1] c 35 N82-26631
Apparatus and method for heating a material in a transparent ampoule -- crystal growth
[NASA-CASE-MFS-25436-1] c 27 N83-36220

FUSELAGES

Fuselage structure using advanced technology fiber reinforced composites
[NASA-CASE-LAR-11688-1] c 24 N82-26384
Adapter for mounting a microphone flush with the external surface of the skin of a pressurized aircraft
[NASA-CASE-FRC-11072-1] c 05 N83-27975

FUSION (MELTING)

Bonding graphite with fused silver chloride
[NASA-CASE-XGS-00963] c 15 N69-39735
Method for fiberizing ceramic materials Patent
[NASA-CASE-XNP-00597] c 18 N71-23088
Induction heating gun
[NASA-CASE-LAR-12540-2] c 27 N82-24345
One-step dual purpose joining technique
[NASA-CASE-LAR-12595-1] c 33 N82-26571

FUSION WELDING

Method for producing a solar cell having an integral protective covering
[NASA-CASE-XGS-04531] c 03 N69-24267
Weld control system using thermocouple wire Patent
[NASA-CASE-MFS-06074] c 15 N71-20393
Butt welder for fine gauge tungsten/rhenium thermocouple wire
[NASA-CASE-LAR-10103-1] c 15 N73-14468
Diffusion welding in air -- solid state welding of butt joint by fusion welding, surface cleaning, and heating
[NASA-CASE-LEW-11387-1] c 37 N74-18128

G**GADOLINIUM**

Method of making a silicon semiconductor device Patent
[NASA-CASE-XLE-02792] c 26 N71-10607
Gd or Sm doped silicon semiconductor composition Patent
[NASA-CASE-XLE-10715] c 26 N71-23292

GALLIUM

Floating two force component measuring device Patent
[NASA-CASE-XAC-04885] c 14 N71-23790

GALLIUM ARSENIDES

GaAs solar detector using manganese as a doping agent Patent
[NASA-CASE-XNP-01328] c 26 N71-18064
Simple method of making photovoltaic junctions Patent
[NASA-CASE-XNP-01960] c 09 N71-23027
Method of changing the conductivity of vapor deposited gallium arsenide by the introduction of water into the vapor deposition atmosphere Patent
[NASA-CASE-XNP-01961] c 26 N71-29156
Vapor phase growth of groups 3-5 compounds by hydrogen chloride transport of the elements
[NASA-CASE-LAR-11144-1] c 25 N75-26043
Vapor deposition apparatus -- semiconductors and gallium arsenides
[NASA-CASE-HQN-10462] c 25 N75-29192
Microwave field effect transistor
[NASA-CASE-GSC-12442-1] c 33 N82-20398

Total immersion crystal growth -- using a melt covered with an encapsulating fluid
[NASA-CASE-NPO-15800-1] c 76 N83-15149
GaAs Schottky barrier photo-responsive device and method of fabrication -- photovoltaic cells
[NASA-CASE-GSC-12816-1] c 76 N83-30268

GALVANIC SKIN RESPONSE

Method and apparatus for attaching physiological monitoring electrodes Patent
[NASA-CASE-XFR-07658-1] c 05 N71-26293

GAMMA RAY SPECTROMETERS

Low intensity X-ray and gamma-ray spectrometer
[NASA-CASE-GSC-12587-1] c 35 N82-32659
Method and apparatus for mapping the distribution of chemical elements in an extended medium
[NASA-CASE-GSC-12808-1] c 45 N83-20446

GAMMA RAYS

Compton scatter attenuation gamma ray spectrometer
[NASA-CASE-MFS-21441-1] c 14 N73-30392
Low intensity X-ray and gamma-ray imaging device -- fiber optics
[NASA-CASE-GSC-12263-1] c 74 N79-20857
Real-time 3D X-ray and gamma-ray viewer
[NASA-CASE-GSC-12640-1] c 74 N82-10862
The 3-dimensional and tomographic imaging device for X-ray and gamma-ray emitting objects
[NASA-CASE-GSC-12851-1] c 35 N83-20083

GANTRY CRANES

Mechanically extendible telescoping boom
[NASA-CASE-NPO-11118] c 03 N72-25021

GAPS

Electromagnetic transducer recording head having a laminated core section and tapered gap
[NASA-CASE-NPO-10711-1] c 35 N77-21392
Method of making a high voltage V-groove solar cell
[NASA-CASE-LEW-13401-1] c 44 N82-29709

GARMENTS

Biomedical electrode arrangement Patent
[NASA-CASE-XFR-10856] c 05 N71-11189
Flexible joint for pressurizable garment
[NASA-CASE-MSC-11072] c 54 N74-32546
Spacesuit torso closure
[NASA-CASE-ARC-11100-1] c 54 N78-31736
Urine collection apparatus -- feminine hygiene
[NASA-CASE-MSC-18381-1] c 52 N81-28740
Thermal garment
[NASA-CASE-XMS-03694-1] c 54 N82-29002

GAS ANALYSIS

Gas analyzer for bi-gaseous mixtures Patent
[NASA-CASE-XLA-01131] c 14 N71-10774
Microbalance including crystal oscillators for measuring contaminants in a gas system Patent
[NASA-CASE-NPO-10144] c 14 N71-17701
Time of flight mass spectrometer with feedback means from the detector to the low source and a specific counter Patent
[NASA-CASE-XNP-01056] c 14 N71-23041
Dual resonant cavity absorption cell Patent
[NASA-CASE-LAR-10305] c 14 N71-26137
Ion microprobe mass spectrometer for analyzing fluid materials Patent
[NASA-CASE-ERC-10014] c 14 N71-28863
Nondispersive gas analyzing method and apparatus wherein radiation is serially passed through a reference and unknown gas
[NASA-CASE-ARC-10308-1] c 06 N72-31141
Method and apparatus for determining the contents of contained gas samples
[NASA-CASE-GSC-10903-1] c 14 N73-12444
Coaxial anode wire for gas radiation counters
[NASA-CASE-GSC-11492-1] c 35 N74-26949
Fast scan control for deflection type mass spectrometers
[NASA-CASE-LAR-11428-1] c 35 N74-34857
NDIR gas analyzer based on absorption modulation ratios for known and unknown samples
[NASA-CASE-ARC-10802-1] c 35 N75-30502
Stack plume visualization system
[NASA-CASE-LAR-11675-1] c 45 N76-17656
Nulling device for detection of trace gases by NDIR absorption
[NASA-CASE-ARC-10760-1] c 25 N76-22323
Analysis of volatile organic compounds -- trace amounts of organic volatiles in gas samples
[NASA-CASE-MSC-14428-1] c 23 N77-17161
Fluid sampling device
[NASA-CASE-GSC-12143-1] c 35 N77-32456
Stark cell optoacoustic detection of constituent gases in sample
[NASA-CASE-NPO-14143-1] c 25 N81-14015
Stark effect spectrophone for continuous absorption spectra monitoring -- a technique for gas analysis
[NASA-CASE-NPO-15102-1] c 25 N81-25159

GAS BAGS

Omnidirectional multiple impact landing system Patent
[NASA-CASE-XLA-09881] c 31 N71-16085

GAS BEARINGS

- Externally pressurized fluid bearing Patent
[NASA-CASE-XMF-00515] c 15 N70-34664
- Slit regulated gas journal bearing Patent
[NASA-CASE-XNP-00476] c 15 N70-38620
- Air bearing Patent
[NASA-CASE-XMF-00339] c 15 N70-39896
- Air bearing Patent
[NASA-CASE-XMF-01887] c 15 N71-10617
- Fluid power transmission Patent
[NASA-CASE-XMS-01445] c 12 N71-16031
- Bismuth-lead coatings for gas bearings used in atmospheric environments and vacuum chambers Patent
[NASA-CASE-XGS-02011] c 15 N71-20739
- Swivel support for gas bearings Patent
[NASA-CASE-XMF-07808] c 15 N71-23812
- Fluid power transmitting gas bearing Patent
[NASA-CASE-ERC-10097] c 15 N71-28465
- Angular displacement indicating gas bearing support system Patent
[NASA-CASE-XLA-09346] c 15 N71-28740
- Air bearing assembly for curved surfaces
[NASA-CASE-MFS-20423] c 15 N72-11388
- Air bearing
[NASA-CASE-WLP-10002] c 15 N72-17451
- Axially and radially controllable magnetic bearing
[NASA-CASE-GSC-11551-1] c 37 N76-18459
- Thrust bearing
[NASA-CASE-LEW-11949-1] c 37 N76-29588
- Cantilever mounted resilient pad gas bearing
[NASA-CASE-LEW-12569-1] c 37 N79-10418
- GAS CHROMATOGRAPHY**
- Micropacked column for a chromatographic system
[NASA-CASE-XNP-04816] c 06 N69-39936
- Baseline stabilization system for ionization detector Patent
[NASA-CASE-XNP-03128] c 10 N70-41991
- Procedure and apparatus for determination of water in nitrogen tetroxide
[NASA-CASE-NPO-10234] c 06 N72-17094
- Analysis of hydrogen-deuteron mixtures
[NASA-CASE-NPO-11322] c 06 N72-25146
- Ultraviolet atomic emission detector
[NASA-CASE-HQN-10756-1] c 14 N72-25428
- Method and apparatus for determining the contents of contained gas samples
[NASA-CASE-GSC-10903-1] c 14 N73-12444
- Gas chromatograph injection system
[NASA-CASE-ARC-10344-2] c 35 N75-26334
- Chelate-modified polymers for atmospheric gas chromatography
[NASA-CASE-ARC-11154-1] c 25 N80-23383
- GAS COMPOSITION**
- Method and means for helium/hydrogen ratio measurement by alpha scattering
[NASA-CASE-NPO-14079-1] c 25 N80-20334
- Microwave limb sounder — measuring trace gases in the upper atmosphere
[NASA-CASE-NPO-14544-1] c 46 N82-12685
- Mobile sampler for use in acquiring samples of terrestrial atmospheric gases
[NASA-CASE-NPO-15220-1] c 45 N83-25217
- GAS COOLED REACTORS**
- Gas core nuclear reactor Patent
[NASA-CASE-LEW-10250-1] c 22 N71-28759
- GAS COOLING**
- Refrigeration apparatus
[NASA-CASE-NPO-10309] c 15 N69-23190
- Gas cooled high temperature thermocouple Patent
[NASA-CASE-XLE-09475-1] c 33 N71-15568
- Apparatus and method for heating a material in a transparent ampoule — crystal growth
[NASA-CASE-MFS-25436-1] c 27 N83-36220
- GAS DENSITY**
- Dynamic sensor Patent
[NASA-CASE-XAC-02877] c 14 N70-41681
- Method for measuring the characteristics of a gas Patent
[NASA-CASE-XLA-03375] c 16 N71-24074
- Device for measuring light scattering wherein the measuring beam is successively reflected between a pair of parallel reflectors Patent
[NASA-CASE-XER-11203] c 14 N71-28994
- Gaseous control system for nuclear reactors
[NASA-CASE-XLE-04599] c 22 N72-20597
- Method of producing crystalline materials
[NASA-CASE-NPO-10440] c 15 N72-21466
- Wide range dynamic pressure sensor
[NASA-CASE-ARC-10263-1] c 14 N72-22438
- Apparatus for absolute pressure measurement
[NASA-CASE-LAR-10000] c 14 N73-30394
- Method and apparatus for compensating reflection losses in a path length modulated absorption-absorption trace gas detector — for determining density of gas
[NASA-CASE-ARC-10631-1] c 74 N76-20958

- Method and apparatus for convection control of metallic halide vapor density in a metallic halide laser
[NASA-CASE-NPO-15021-1] c 36 N83-10417
- GAS DETECTORS**
- Method for detecting hydrogen gas
[NASA-CASE-XMF-03873] c 06 N69-39733
- Hydrogen leak detection device Patent
[NASA-CASE-MFS-11537] c 14 N71-20442
- Leak detector wherein a probe is monitored with ultraviolet radiation Patent
[NASA-CASE-ERC-10034] c 15 N71-24896
- Miniature carbon dioxide sensor and methods
[NASA-CASE-MSC-13332-1] c 14 N72-21408
- Fluorescence detector for monitoring atmospheric pollutants
[NASA-CASE-NPO-13231-1] c 45 N75-27585
- Carbon monoxide monitor — using real time operation
[NASA-CASE-MFS-22060-1] c 35 N75-29380
- Method and apparatus for compensating reflection losses in a path length modulated absorption-absorption trace gas detector — for determining density of gas
[NASA-CASE-ARC-10631-1] c 74 N76-20958
- Indicator providing continuous indication of the presence of a specific pollutant in air
[NASA-CASE-NPO-13474-1] c 45 N76-21742
- Particulate and aerosol detector
[NASA-CASE-LAR-11434-1] c 35 N76-22509
- Cryogenic liquid sensor
[NASA-CASE-NPO-10619-1] c 35 N77-21393
- Optically selective, acoustically resonant gas detecting transducer
[NASA-CASE-ARC-10639-1] c 35 N78-13400
- Stark cell optoacoustic detection of constituent gases in sample
[NASA-CASE-NPO-14143-1] c 25 N81-14015
- Stark effect spectrophone for continuous absorption spectra monitoring — a technique for gas analysis
[NASA-CASE-NPO-15102-1] c 25 N81-25159
- Portable laser remote system for methane gas detection
[NASA-CASE-NPO-15790-1] c 36 N83-33137
- GAS DISCHARGE TUBES**
- Self-repeating plasma generator having communicating annular and linear arc discharge passages Patent
[NASA-CASE-XLA-03103] c 25 N71-21693
- GAS DISCHARGES**
- Parametric microwave noise generator Patent
[NASA-CASE-XER-11019] c 09 N71-23598
- State-of-charge coulometer
[NASA-CASE-NPO-15759-1] c 35 N82-26630
- GAS EVOLUTION**
- Filter system for control of outgas contamination in vacuum Patent
[NASA-CASE-MFS-14711] c 15 N71-26185
- GAS EXPANSION**
- Sealed battery gas manifold construction Patent
[NASA-CASE-XNP-03378] c 03 N71-11051
- Refrigeration apparatus Patent
[NASA-CASE-XNP-08877] c 15 N71-23025
- Gas operated actuator
[NASA-CASE-NPO-11340] c 15 N72-33477
- GAS FLOW**
- Fluid flow restrictor Patent
[NASA-CASE-NPO-10117] c 15 N71-15608
- High pressure gas filter system Patent
[NASA-CASE-MFS-12806] c 14 N71-17588
- Burst diaphragm flow initiator Patent
[NASA-CASE-MFS-12915] c 11 N71-17600
- Method of recording a gas flow pattern Patent
[NASA-CASE-XMF-01779] c 12 N71-20815
- Respiration monitor
[NASA-CASE-FRC-10012] c 14 N72-17329
- Shock tube bypass piston tunnel
[NASA-CASE-NPO-12109] c 11 N72-22245
- Fluidic proportional thruster system
[NASA-CASE-ARC-10106-1] c 28 N72-22769
- Gas filter mounting structure
[NASA-CASE-MSC-12297] c 14 N72-23457
- Pressurized lighting system
[NASA-CASE-KSC-10644] c 09 N72-27227
- Method for controlling vapor content of a gas
[NASA-CASE-NPO-10633] c 03 N72-28025
- Gas flow control device
[NASA-CASE-NPO-11479] c 15 N73-13462
- Compact hydrogenator
[NASA-CASE-NPO-11682-1] c 35 N74-15127
- Apparatus for establishing flow of a fluid mass having a known velocity
[NASA-CASE-MFS-21424-1] c 34 N74-27730
- Condensate removal device for heat exchanger
[NASA-CASE-MSC-14143-1] c 77 N75-20139
- Flow measuring apparatus
[NASA-CASE-LEW-12078-1] c 35 N75-30503
- Gas compression apparatus
[NASA-CASE-MSC-14757-1] c 35 N78-10428

- Variable cycle gas turbine engines
[NASA-CASE-LEW-12918-1] c 37 N78-17384
- Moisture content and gas sampling device — to test hermetically sealed electronic equipment
[NASA-CASE-MSC-18866-1] c 35 N82-26634
- Low noise lead screw positioner
[NASA-CASE-NPO-15617-1] c 35 N82-33681
- Apparatus and method for destructive removal of particles contained in a flowing fluid
[NASA-CASE-NPO-15426-1] c 45 N83-20447
- Covering solid, film cooled surfaces with a duplex thermal barrier coating
[NASA-CASE-LEW-13450-1] c 31 N83-35177
- GAS GENERATORS**
- Specialized halogen generator for purification of water Patent
[NASA-CASE-XLA-08913] c 14 N71-28933
- Quick disconnect coupling
[NASA-CASE-NPO-11202] c 15 N72-25450
- Electrolytic gas operated actuator
[NASA-CASE-NPO-13369] c 15 N73-13467
- Vortex breech high pressure gas generator
[NASA-CASE-LAR-10549-1] c 31 N73-13898
- Hydrogen rich gas generator
[NASA-CASE-NPO-13342-1] c 37 N76-16448
- Hydrogen-rich gas generator
[NASA-CASE-NPO-13464-1] c 44 N76-18642
- Hydrogen rich gas generator
[NASA-CASE-NPO-13342-2] c 44 N76-29700
- Hydrogen rich gas generator
[NASA-CASE-NPO-13464-2] c 44 N76-29704
- Hydrogen-rich gas generator
[NASA-CASE-NPO-13560-1] c 44 N77-10636
- GAS GUNS**
- Electric arc device for heating gases Patent
[NASA-CASE-XAC-00319] c 25 N70-41628
- GAS HEATING**
- Bi-metallic fluid displacement apparatus — for stirring and heating stored gases and liquids
[NASA-CASE-ARC-10441-1] c 35 N74-15126
- GAS INJECTION**
- Burning rate control of solid propellants Patent
[NASA-CASE-XLE-03484] c 27 N71-21819
- Compact hydrogenator
[NASA-CASE-NPO-11682-1] c 35 N74-15127
- Gas chromatograph injection system
[NASA-CASE-ARC-10344-2] c 35 N75-26334
- In-situ laser retorting of oil shale
[NASA-CASE-LEW-12217-1] c 43 N78-14452
- Gas turbine engine with recirculating bleed
[NASA-CASE-LEW-12452-1] c 07 N78-25089
- Ozonation of cooling tower waters
[NASA-CASE-NPO-14340-1] c 45 N80-14579
- GAS IONIZATION**
- Electrostatic plasma modulator for space vehicle re-entry communication Patent
[NASA-CASE-XLA-01400] c 07 N70-41331
- A multichannel photoionization chamber for absorption analysis Patent
[NASA-CASE-ERC-10044-1] c 14 N71-27090
- Modulated hydrogen ion flame detector
[NASA-CASE-ARC-10322-1] c 35 N76-18403
- Gas ion laser construction for electrically isolating the pressure gauge thereof
[NASA-CASE-MFS-22597] c 36 N78-17366
- Charge transfer reaction laser with preionization means
[NASA-CASE-NPO-13945-1] c 36 N78-27402
- Hydrogen hollow cathode ion source
[NASA-CASE-LEW-12940-1] c 72 N80-33186
- GAS LASERS**
- Method and apparatus for stabilizing a gaseous optical maser Patent
[NASA-CASE-XGS-03644] c 16 N71-18614
- Inert gas metallic vapor laser
[NASA-CASE-NPO-13449-1] c 36 N75-32441
- Diffused waveguiding capillary tube with distributed feedback for a gas laser
[NASA-CASE-NPO-13544-1] c 36 N76-18428
- Gas ion laser construction for electrically isolating the pressure gauge thereof
[NASA-CASE-MFS-22597] c 36 N78-17366
- Charge transfer reaction laser with preionization means
[NASA-CASE-NPO-13945-1] c 36 N78-27402
- A solar pumped laser
[NASA-CASE-LAR-12870-1] c 36 N82-25497
- Spectrophone stabilized laser with line center offset frequency control
[NASA-CASE-NPO-15516-1] c 36 N82-26652
- GAS LUBRICANTS**
- Gas lubricant compositions Patent
[NASA-CASE-XLE-00353] c 18 N70-38897
- Thrust bearing
[NASA-CASE-LEW-11949-1] c 37 N76-29588

- Cantilever mounted resilient pad gas bearing
[NASA-CASE-LEW-12569-1] c 37 N79-10418
- GAS MASERS**
Solid state chemical source for ammonia beam maser Patent
[NASA-CASE-XGS-01504] c 16 N70-41578
Atomic hydrogen maser with built temperature control to remove wall shift in maser output frequency
[NASA-CASE-HQN-10654-1] c 16 N73-13489
Method of producing a storage bulb for an atomic hydrogen maser
[NASA-CASE-NPO-13050-1] c 36 N75-15029
Atomic standard with variable storage volume
[NASA-CASE-GSC-11895-1] c 35 N76-15436
- GAS MIXTURES**
Gas analyzer for bi-gaseous mixtures Patent
[NASA-CASE-XLA-01131] c 14 N71-10774
Vapor pressure measuring system and method Patent
[NASA-CASE-XMS-01618] c 14 N71-20741
Mixture separation cell Patent
[NASA-CASE-XMS-02952] c 18 N71-20742
Analysis of hydrogen-deuterium mixtures
[NASA-CASE-NPO-11322] c 06 N72-25148
Hydrogen rich gas generator
[NASA-CASE-NPO-13342-2] c 44 N76-29700
Hydrogen-rich gas generator
[NASA-CASE-NPO-13560-1] c 44 N77-10636
Chemical vapor deposition reactor — providing uniform film thickness
[NASA-CASE-NPO-13650-1] c 25 N79-28253
- GAS PIPES**
Fluid flow restrictor Patent
[NASA-CASE-NPO-10117] c 15 N71-15608
- GAS PRESSURE**
Measuring device Patent
[NASA-CASE-XMS-01546] c 14 N70-40233
Dynamic sensor Patent
[NASA-CASE-XAC-02877] c 14 N70-41681
Wide range dynamic pressure sensor
[NASA-CASE-ARC-10263-1] c 14 N72-22438
Measurement of gas production of microorganisms — using pressure sensors
[NASA-CASE-LAR-11326-1] c 35 N75-33368
Depressurization of arc lamps
[NASA-CASE-NPO-10790-1] c 33 N77-21316
Pressure limiting propellant actuating system
[NASA-CASE-MS-18179-1] c 20 N80-18097
Method of an apparatus for measuring temperature and pressure — remote sensing of the atmosphere
[NASA-CASE-GSC-12558-1] c 35 N82-29580
Reactant pressure differential control for fuel cell gases
[NASA-CASE-MS-20127-1] c 44 N82-32843
Method and apparatus for producing gas-filled hollow spheres — target pellets for inertial confinement fusion
[NASA-CASE-NPO-14596-3] c 31 N83-31896
- GAS STREAMS**
Method for measuring the characteristics of a gas Patent
[NASA-CASE-XLA-03375] c 16 N71-24074
Stagnation pressure probe — for measuring pressure of supersonic gas streams
[NASA-CASE-LAR-11139-1] c 35 N74-32878
Variable mixer propulsion cycle
[NASA-CASE-LEW-12917-1] c 07 N78-18067
Simultaneous treatment of SO₂ containing stack gases and waste water
[NASA-CASE-MS-16258-1] c 45 N79-12584
Gas levitator having fixed levitation node for containerless processing
[NASA-CASE-MFS-25509-1] c 35 N83-24828
- GAS TEMPERATURE**
Method for measuring the characteristics of a gas Patent
[NASA-CASE-XLA-03375] c 16 N71-24074
Method of an apparatus for measuring temperature and pressure — remote sensing of the atmosphere
[NASA-CASE-GSC-12558-1] c 35 N82-29580
- GAS TRANSPORT**
Purging means and method for Xenon arc lamps
[NASA-CASE-NPO-11978] c 31 N78-17238
- GAS TUBES**
Toggle mechanism for pinching metal tubes
[NASA-CASE-GSC-12274-1] c 37 N79-28550
- GAS TURBINE ENGINES**
Gas turbine engine fuel control
[NASA-CASE-LEW-11187-1] c 28 N73-19793
Swirl can primary combustor
[NASA-CASE-LEW-11326-1] c 23 N73-30665
Controlled separation combustor — airflow distribution in gas turbine engines
[NASA-CASE-LEW-11593-1] c 20 N76-14190
Fused silicide coatings containing discrete particles for protecting niobium alloys — used in space shuttle thermal protection systems and turbine engine components
[NASA-CASE-LEW-11179-1] c 27 N76-16229
- Dual output variable pitch turbofan actuation system
[NASA-CASE-LEW-12419-1] c 07 N77-14025
Oil cooling system for a gas turbine engine
[NASA-CASE-LEW-12830-1] c 07 N77-23106
Blade retainer assembly
[NASA-CASE-LEW-12608-1] c 07 N77-27116
Nickel base alloy — for gas turbine engine stator vanes
[NASA-CASE-LEW-12270-1] c 26 N77-32280
Bearing seat usable in a gas turbine engine
[NASA-CASE-LEW-12477-1] c 37 N77-32501
Oil cooling system for a gas turbine engine
[NASA-CASE-LEW-12321-1] c 37 N78-10467
Variable cycle gas turbine engines
[NASA-CASE-LEW-12916-1] c 37 N78-17384
Integrated gas turbine engine-nacelle
[NASA-CASE-LEW-12389-2] c 07 N78-18066
Variable mixer propulsion cycle
[NASA-CASE-LEW-12917-1] c 07 N78-18067
Automotive gas turbine fuel control
[NASA-CASE-LEW-12785-1] c 37 N78-24545
Gas turbine engine with recirculating bleed
[NASA-CASE-LEW-12452-1] c 07 N78-25089
Independent power generator
[NASA-CASE-LAR-11208-1] c 44 N78-32539
Redundant disc
[NASA-CASE-LEW-12496-1] c 07 N78-33101
Integrated gas turbine engine-nacelle
[NASA-CASE-LEW-12389-3] c 07 N79-14096
Variable area exhaust nozzle
[NASA-CASE-LEW-12378-1] c 07 N79-14097
Power control for hot gas engines
[NASA-CASE-NPO-14220-1] c 37 N81-14318
Curved centerline air intake for a gas turbine engine
[NASA-CASE-LEW-13201-1] c 07 N81-14999
Apparatus for sensor failure detection and correction in a gas turbine engine control system
[NASA-CASE-LEW-12907-2] c 07 N81-19115
Active clearance control system for a turbomachine
[NASA-CASE-LEW-12938-1] c 07 N82-32366
Overlay metallic-cermet alloy coating systems — for gas turbine engines
[NASA-CASE-LEW-13639-1] c 27 N82-33522
Tip cap for a rotor blade
[NASA-CASE-LEW-13654-1] c 07 N83-14129
Air modulation apparatus — cooling gas turbine engines
[NASA-CASE-LEW-13524-1] c 34 N83-30957
Control means for a gas turbine engine
[NASA-CASE-LEW-14586-1] c 07 N83-31603
Silicon-slurry/aluminate coating — protecting gas turbine engine vanes and blades
[NASA-CASE-LEW-13343] c 26 N83-31795
Apparatus for improving the fuel efficiency of a gas turbine engine
[NASA-CASE-LEW-13142-1] c 07 N83-36029
- GAS TURBINES**
Gas turbine combustor Patent
[NASA-CASE-LEW-10286-1] c 28 N71-28915
Gas turbine exhaust nozzle — for noise reduction
[NASA-CASE-LEW-11569-1] c 07 N74-15453
Gas turbine engine with convertible accessories
[NASA-CASE-LEW-12390-1] c 07 N78-17056
Counter pumping debris excluder and separator — gas turbine shaft seals
[NASA-CASE-LEW-11855-1] c 07 N78-25090
Direct heating surface combustor
[NASA-CASE-LEW-11877-1] c 34 N78-27357
Apparatus and method for reducing thermal stress in a turbine rotor
[NASA-CASE-LEW-12232-1] c 07 N79-10057
Method and turbine for extracting kinetic energy from a stream of two-phase fluid
[NASA-CASE-NPO-14130-1] c 34 N79-20335
Corrosion resistant thermal barrier coating — protecting gas turbines and other engine parts
[NASA-CASE-LEW-13088-1] c 26 N81-25188
- GAS VALVES**
High-temperature, high-pressure spherical segment valve Patent
[NASA-CASE-XAC-00074] c 15 N70-34817
Shrink-fit gas valve Patent
[NASA-CASE-XGS-00587] c 15 N70-35087
Thermally operated valve Patent
[NASA-CASE-XLE-00815] c 15 N70-35407
Transfer valve Patent
[NASA-CASE-XAC-01158] c 15 N71-23051
Slow opening valve
[NASA-CASE-MS-20112-1] c 37 N82-28641
Reactant pressure differential control for fuel cell gases
[NASA-CASE-MS-20127-1] c 44 N82-32843
Air modulation apparatus — cooling gas turbine engines
[NASA-CASE-LEW-13524-1] c 34 N83-30957
- GAS WELDING**
Spectral method for monitoring atmospheric contamination of inert-gas welding shields Patent
[NASA-CASE-XMF-02039] c 15 N71-15871
Grain refinement control in TIG arc welding
[NASA-CASE-MS-19095-1] c 37 N75-19683
- GAS-LIQUID INTERACTIONS**
Fluid control apparatus and method
[NASA-CASE-LAR-11110-1] c 34 N75-26282
- GAS-METAL INTERACTIONS**
Improved refractory coatings — sputtered coatings on substrates that form stable nitrides
[NASA-CASE-LEW-23169-2] c 26 N81-16209
Method and apparatus for coating substrates using lasers
[NASA-CASE-LEW-13526-1] c 26 N82-22347
Refractory coatings and method of producing the same
[NASA-CASE-LEW-13169-1] c 26 N82-29415
- GAS-SOLID INTERACTIONS**
Apparatus and method to keep the walls of a free space reactor free from deposits of solid materials
[NASA-CASE-NPO-15851-1] c 73 N83-12986
- GASDYNAMIC LASERS**
Diatomic infrared gasdynamic laser — for producing different wavelengths
[NASA-CASE-ARC-10370-1] c 36 N75-31426
- GASEOUS DIFFUSION**
Gas purged dry box glove Patent
[NASA-CASE-XLE-02531] c 05 N71-23080
Gas core nuclear reactor Patent
[NASA-CASE-LEW-10250-1] c 22 N71-28759
Gas diffusion liquid storage bag and method of use for storing blood
[NASA-CASE-NPO-13930-1] c 52 N79-14749
- GASEOUS FISSION REACTORS**
Gas core nuclear reactor Patent
[NASA-CASE-LEW-10250-1] c 22 N71-28759
- GASEOUS ROCKET PROPELLANTS**
Ion rocket Patent
[NASA-CASE-XLE-00376] c 28 N70-37245
Continuous detonation reaction engine Patent
[NASA-CASE-XMF-06926] c 28 N71-22983
- GASES**
Gas liquefaction and dispensing apparatus Patent
[NASA-CASE-NPO-10070] c 15 N71-27372
Observation window for a gas confining chamber
[NASA-CASE-NPO-10890] c 11 N73-12265
Combustion detector
[NASA-CASE-LAR-10739-1] c 14 N73-16484
Low gravity phase separator
[NASA-CASE-MS-14773-1] c 35 N78-12390
Water separator
[NASA-CASE-XMS-01295-1] c 37 N79-21345
- GASIFICATION**
Mixed polyvalent-monovalent metal coating for carbon-graphite fibers
[NASA-CASE-NPO-14987-1] c 24 N83-33950
- GASKETS**
Cryogenic connector for vacuum use Patent
[NASA-CASE-XGS-02441] c 15 N70-41629
Reinforced polyquinoxaline gasket and method of preparing the same — resistant to ionizing radiation and liquid hydrogen temperatures
[NASA-CASE-MFS-21364-1] c 37 N74-18126
- GATES (CIRCUITS)**
Flux sensing device using a tubular core with toroidal gating coil and solenoidal output coil wound thereon Patent
[NASA-CASE-XGS-01881] c 09 N70-40123
SCR blocking pulse gate amplifier Patent
[NASA-CASE-XLA-07497] c 09 N71-12514
Logic AND gate for fluid circuits Patent
[NASA-CASE-XLA-07391] c 12 N71-17579
Synchronous counter Patent
[NASA-CASE-XGS-02440] c 08 N71-19432
Increasing efficiency of switching type regulator circuits Patent
[NASA-CASE-XMS-09352] c 09 N71-23316
Memory device for two-dimensional radiant energy array computers
[NASA-CASE-GSC-11839-2] c 60 N78-10709
Transformer regulated self-stabilizing chopper
[NASA-CASE-XGS-09186] c 33 N78-17295
Controller for computer control of brushless dc motors — automobile engines
[NASA-CASE-NPO-13970-1] c 33 N81-20352
Combinational logic for generating gate drive signals for phase control rectifiers
[NASA-CASE-MFS-25208-1] c 33 N83-10345
Pulsed phase locked loop strain monitor — voltage controlled oscillators
[NASA-CASE-LAR-12772-1] c 33 N83-16626
Power control for ac motor
[NASA-CASE-MFS-25862] c 33 N83-28329

GATES (OPENINGS)

GATES (OPENINGS)

- Film feed camera having a detent means Patent
[NASA-CASE-LAR-10686] c 14 N71-28935
- GAW-1 AIRFOIL**
Airfoil shape for flight at subsonic speeds -- design analysis and aerodynamic characteristics of the GAW-1 airfoil
[NASA-CASE-LAR-10585-1] c 02 N76-22154
- GEAR TEETH**
Wobble gear drive mechanism -- for aerospace environments
[NASA-CASE-WOO-00625] c 37 N78-17385
Belt for transmitting power from a cogged driving member to a cogged driven member
[NASA-CASE-GSC-12289-1] c 37 N80-32717
- GEARS**
Precision stepping drive Patent
[NASA-CASE-MFS-14772] c 15 N71-17692
Bidirectional step torque filter with zero backlash characteristic Patent
[NASA-CASE-XGS-04227] c 15 N71-21744
Self-lubricating gears and other mechanical parts Patent
[NASA-CASE-MFS-14971] c 15 N71-24984
Concentric differential gearing arrangement
[NASA-CASE-ARC-10462-1] c 37 N74-27901
Sequencing device utilizing planetary gear set
[NASA-CASE-MSC-19514-1] c 37 N79-20377
Power control for hot gas engines
[NASA-CASE-NPO-14220-1] c 37 N81-14318
Clutchless multiple drive source for output shaft
[NASA-CASE-ARC-11325-1] c 37 N82-22496
Directional gear ratio transmission
[NASA-CASE-LAR-12644-1] c 37 N82-29605
- GELLED ROCKET PROPELLANTS**
Process of forming particles in a cryogenic path Patent
[NASA-CASE-NPO-10250] c 23 N71-16212
- GELS**
Intermittent type silica gel adsorption refrigerator Patent
[NASA-CASE-XNP-00920] c 15 N71-15906
- GENERAL AVIATION AIRCRAFT**
Explosively activated egress area
[NASA-CASE-LAR-12624-1] c 01 N83-35992
- GENERATORS**
Apparatus for establishing flow of a fluid mass having a known velocity
[NASA-CASE-MFS-21424-1] c 34 N74-27730
- GEODESY**
Navigation system and method
[NASA-CASE-GSC-12508-1] c 04 N81-26085
Geodetic distance measuring apparatus
[NASA-CASE-GSC-12609-2] c 36 N83-29681
- GEODETIC SURVEYS**
Geodetic distance measuring apparatus
[NASA-CASE-GSC-12609-1] c 36 N81-22344
- GEODIMETERS**
Geodetic distance measuring apparatus
[NASA-CASE-GSC-12609-1] c 36 N81-22344
- GEOLOGICAL SURVEYS**
Borehole geological assessment
[NASA-CASE-NPO-14231-1] c 46 N80-10709
Geological assessment probe
[NASA-CASE-NPO-14558-1] c 46 N80-24906
- GERMANIUM**
Germanium coated microbridge and method
[NASA-CASE-MFS-23274-1] c 33 N78-13320
- GIMBALS**
Gimbaled, partially submerged rocket nozzle Patent
[NASA-CASE-XMF-01544] c 28 N70-34162
Azimuth laying system Patent
[NASA-CASE-XMF-01669] c 21 N71-23289
Passive caging mechanism Patent
[NASA-CASE-GSC-10306-1] c 15 N71-24694
Hermetic sealed vibration damper Patent
[NASA-CASE-MSC-10959] c 15 N71-26243
Bearing and gimbal lock mechanism and spiral flex lead module Patent
[NASA-CASE-GSC-10556-1] c 31 N71-26537
Failure detection and control means for improved drift performance of a gimbaled platform system
[NASA-CASE-MFS-23551-1] c 04 N76-26175
Autonomous navigation system -- gyroscopic pendulum for air navigation
[NASA-CASE-ARC-11257-1] c 04 N81-21047
Aircraft body-axis rotation measurement system
[NASA-CASE-FRC-11043-1] c 06 N83-33882
- GLANDS (SEALS)**
Spiral groove seal
[NASA-CASE-XLE-10326-2] c 15 N72-29488
Circumferential shaft seal
[NASA-CASE-LEW-12119-2] c 37 N81-26447

GLASS

- Method for producing a solar cell having an integral protective covering
[NASA-CASE-XGS-04531] c 03 N69-24267
Reduced gravity liquid configuration simulator
[NASA-CASE-XLE-02624] c 12 N69-39988
Silicon solar cell with cover glass bonded to cell by metal pattern Patent
[NASA-CASE-XLE-08569] c 03 N71-23449
Apparatus for applying cover slides
[NASA-CASE-NPO-10575] c 03 N72-25019
Glass-to-metal seals comprising relatively high expansion metals
[NASA-CASE-LEW-10698-1] c 37 N74-21063
Covered silicon solar cells and method of manufacture -- with polymers films
[NASA-CASE-LEW-11065-2] c 44 N76-14600
Window defect planar mapping technique
[NASA-CASE-MSC-19442-1] c 74 N77-10899
Method of forming shrink-fit compression seal
[NASA-CASE-LAR-11563-1] c 37 N77-23482
Reaction cured glass and glass coatings
[NASA-CASE-ARC-11051-1] c 27 N78-32260
Glass heating panels and method for preparing the same from architectural reflective glass
[NASA-CASE-NPO-15753-1] c 33 N82-23396
Method of forming frozen spheres in a force-free drop tower
[NASA-CASE-NPO-14845-1] c 27 N82-28442
Method for milling and drilling glass
[NASA-CASE-GSC-12636-1] c 31 N83-27058
Acoustic bubble removal method
[NASA-CASE-NPO-15334-1] c 71 N83-35781
- GLASS COATINGS**
Method of attaching a cover glass to a silicon solar cell Patent
[NASA-CASE-XLE-08569-2] c 03 N71-24681
Process for glass coating an ion accelerator grid Patent
[NASA-CASE-LEW-10278-1] c 15 N71-28582
Method of coating solar cell with borosilicate glass and resultant product
[NASA-CASE-GSC-11514-1] c 03 N72-24037
Transmitting and reflecting diffuser -- using ultraviolet grade fused silica coatings
[NASA-CASE-LAR-10385-3] c 74 N78-15879
Method for repair of thin glass coatings -- on space shuttle orbiter tiles
[NASA-CASE-KSC-11097-1] c 27 N82-33520
High temperature glass thermal control structure and coating -- for application to spacecraft reusable heat shielding
[NASA-CASE-ARC-11164-1] c 44 N83-34448
- GLASS ELECTRODES**
Liquid junction and method of fabricating the same Patent Application
[NASA-CASE-NPO-10682] c 15 N70-34699
Apparatus and method of inserting a microelectrode in body tissue or the like using vibration means
[NASA-CASE-NPO-13910-1] c 52 N79-27836
- GLASS FIBER REINFORCED PLASTICS**
Low density bismaleimide-carbon microballoon composites
[NASA-CASE-ARC-11040-1] c 24 N79-16915
Method of manufacture of bonded fiber flywheel -- fiberglass-epoxy
[NASA-CASE-MFS-23674-1] c 24 N81-29163
- GLASS FIBERS**
Non-magnetic battery case Patent
[NASA-CASE-XGS-00886] c 03 N71-11053
Lathe tool bit and holder for machining fiberglass materials
[NASA-CASE-XLA-10470] c 15 N72-21489
Polyimide resin-fiberglass cloth laminates for printed circuit boards
[NASA-CASE-MFS-20408] c 18 N73-12604
Method of repairing discontinuity in fiberglass structures
[NASA-CASE-LAR-10416-1] c 24 N74-30001
Fiber modified polyurethane foam for ballistic protection
[NASA-CASE-ARC-10714-1] c 27 N76-15310
Vacuum pressure molding technique
[NASA-CASE-LAR-10073-1] c 37 N76-24575
Glass compositions with a high modulus of elasticity -- nontoxic glass fibers
[NASA-CASE-HQN-10274-1] c 27 N82-29451
High modulus invert analog glass compositions containing beryllia
[NASA-CASE-HQN-10931-2] c 27 N82-29452
Containerless high purity pulling process and apparatus for glass fibers
[NASA-CASE-MFS-25905-1] c 74 N83-35825

GLAUCOMA

- Intra-ocular pressure normalization technique and equipment
[NASA-CASE-LEW-12955-1] c 52 N80-14684
- GLIDE PATHS**
Integrated lift/drag controller for aircraft
[NASA-CASE-ARC-10456-1] c 05 N75-12930
- GLOBES**
Orbital and entry tracking accessory for globes -- to provide range requirements for reentry vehicles to any landing site
[NASA-CASE-LAR-10626-1] c 19 N74-21015
- GLOVES**
Gas purged dry box glove Patent
[NASA-CASE-XLE-02531] c 05 N71-23080
Restraining mechanism
[NASA-CASE-MSC-13054] c 54 N78-17677
Heat resistant protective hand covering
[NASA-CASE-MSC-20261-1] c 54 N82-32985
Heat resistant protective hand covering
[NASA-CASE-MSC-20261-2] c 54 N82-32986
- GLOW DISCHARGES**
Deposition of alloy films -- on irregularly shaped metal object
[NASA-CASE-LEW-11262-1] c 27 N74-13270
Boron trifluoride coatings for thermoplastic materials and method of applying same in glow discharge
[NASA-CASE-ARC-11057-1] c 27 N78-31233
Electric discharge for treatment of trace contaminants
[NASA-CASE-ARC-10975-1] c 33 N79-15245
Use of glow discharge in fluidized beds
[NASA-CASE-ARC-11245-1] c 28 N82-18401
- GLUCOSE**
Use of the enzyme hexokinase for the reduction of inherent light levels
[NASA-CASE-XGS-05533] c 04 N69-27487
- GOLD COATINGS**
Thin window, doped silicon, charged particle detector
[NASA-CASE-XLE-10529] c 14 N69-23191
Improved chromium electrodes for REDOX cells
[NASA-CASE-LEW-13553-1] c 44 N82-22672
- GONDOLAS**
System for stabilizing torque between a balloon and gondola
[NASA-CASE-GSC-11077-1] c 02 N73-13008
- GRANULAR MATERIALS**
Soil particles separator, collector and viewer Patent
[NASA-CASE-XNP-09770] c 15 N71-20440
Carbon granule probe microphone for leak detection
[NASA-CASE-NPO-16027-1] c 33 N83-29595
- GRAPHITE**
Bonding graphite with fused silver chloride
[NASA-CASE-XGS-00963] c 15 N69-39735
Method of preparing graphite reinforced aluminum composite
[NASA-CASE-MFS-21077-1] c 24 N75-28135
Method of adhering bone to a rigid substrate using a graphite fiber reinforced bone cement
[NASA-CASE-NPO-13764-1] c 27 N78-17215
Atomic hydrogen storage method and apparatus
[NASA-CASE-LEW-12081-3] c 28 N81-14103
Mixed polyvalent-monovalent metal coating for carbon-graphite fibers
[NASA-CASE-NPO-14987-1] c 24 N83-33950
- GRAPHITE-EPOXY COMPOSITES**
Partial interlaminar separation system for composites
[NASA-CASE-LAR-12065-1] c 24 N81-14000
Method and device for detection of a substance -- determining carbon fiber release in fire situations
[NASA-CASE-NPO-14940-1] c 33 N83-31954
- GRATINGS (SPECTRA)**
Concave grating spectrometer Patent
[NASA-CASE-XGS-01036] c 14 N70-40003
Diffraction grating configuration for X-ray and ultraviolet focusing
[NASA-CASE-GSC-12357-1] c 74 N80-21140
- GRAVIMETERS**
Gravimeter Patent
[NASA-CASE-XMF-05844] c 14 N71-17587
- GRAVITATION**
Alignment apparatus using a laser having a gravitationally sensitive cavity reflector
[NASA-CASE-ARC-10444-1] c 16 N73-33397
Anti-gravity device
[NASA-CASE-MFS-22758-1] c 70 N75-26789
- GRAVITATIONAL CONSTANT**
Gravity device Patent
[NASA-CASE-XMF-00424] c 11 N70-38196
- GRAVITATIONAL EFFECTS**
Locomotion and restraint aid Patent
[NASA-CASE-ARC-10153] c 05 N71-28619
Rotary plant growth accelerating apparatus -- weightlessness
[NASA-CASE-ARC-10722-1] c 51 N75-25503
Lower body negative pressure apparatus
[NASA-CASE-MSC-20202-1] c 54 N83-18254

GRAVITATIONAL FIELDS

- Difference circuit Patent
[NASA-CASE-XNP-08274] c 10 N71-13537
- Process for preparation of large-particle-size monodisperse latexes
[NASA-CASE-MFS-25000-1] c 25 N81-19242

GRAVITY GRADIENT SATELLITES

- Stabilization of gravity oriented satellites Patent
[NASA-CASE-XAC-01591] c 31 N71-17729
- Station keeping of a gravity gradient stabilized satellite Patent
[NASA-CASE-XLA-03132] c 31 N71-22969

GRAVITY GRADIOMETERS

- Gravity device Patent
[NASA-CASE-XMF-00424] c 11 N70-38196
- Gravity gradient attitude control system Patent
[NASA-CASE-GSC-10555-1] c 21 N71-27324

GRAZING INCIDENCE

- Diffraction grating configuration for X-ray and ultraviolet focusing
[NASA-CASE-GSC-12357-1] c 74 N80-21140

GRIDS

- Method of making dished ion thruster grids
[NASA-CASE-LEW-11694-1] c 20 N75-18310
- Apparatus for forming dished ion thruster grids
[NASA-CASE-LEW-11694-2] c 37 N76-14461
- Method of constructing dished ion thruster grids to provide hole array spacing compensation
[NASA-CASE-LEW-11876-1] c 20 N76-21276
- Solar cell grid patterns
[NASA-CASE-NPO-13087-2] c 44 N76-31666

GRINDING (MATERIAL REMOVAL)

- Laser apparatus for removing material from rotating objects Patent
[NASA-CASE-MFS-11279] c 16 N71-20400
- Method for producing dispersion strengthened alloys by converting metal to a halide, comminuting, reducing the metal halide to the metal and sintering
[NASA-CASE-LEW-10450-1] c 15 N72-25448
- Method of forming a sharp edge on an optical device
[NASA-CASE-GSC-12348-1] c 74 N80-24149

GRINDING MACHINES

- Grinding arrangement for ball nose milling cutters
[NASA-CASE-LAR-10450-1] c 37 N74-27905

GROOVES

- Energy absorbing device Patent
[NASA-CASE-XMF-10040] c 15 N71-22877
- Spiral groove seal --- for hydraulic rotating shaft
[NASA-CASE-LEW-10326-3] c 37 N74-10474
- Spiral groove seal --- for rotating shaft
[NASA-CASE-XLE-10326-4] c 37 N74-15125

GROUND EFFECT MACHINES

- Gravity stabilized flying vehicle Patent
[NASA-CASE-MSC-12111-1] c 02 N71-11039
- Air cushion lift pad Patent
[NASA-CASE-MFS-14685] c 31 N71-15689
- Open tube guideway for high speed air cushioned vehicles
[NASA-CASE-LAR-10258-1] c 85 N74-34672

GROUND HANDLING

- Supporting and protecting device Patent
[NASA-CASE-XMF-00580] c 11 N70-35383

GROUND STATIONS

- Traffic control system and method Patent
[NASA-CASE-GSC-10087-1] c 02 N71-19287
- Method and apparatus for mapping planets
[NASA-CASE-NPO-11001] c 07 N72-21118
- Ultra stable frequency distribution system
[NASA-CASE-NPO-13836-1] c 32 N78-15323

GROUND SUPPORT EQUIPMENT

- Dynamic Doppler simulator Patent
[NASA-CASE-XMS-05454-1] c 07 N71-12391
- Controlled release device Patent
[NASA-CASE-XKS-03338] c 15 N71-24043
- Apparatus for measuring an aircraft's speed and height
[NASA-CASE-LAR-12275-1] c 35 N79-18296

GROUND-AIR-GROUND COMMUNICATION

- Retrodirective optical system
[NASA-CASE-XGS-04480] c 16 N69-27491
- Closed loop ranging system Patent
[NASA-CASE-XNP-01501] c 21 N70-41930
- Location identification system
[NASA-CASE-ERC-10324] c 07 N72-25173
- Satellite personal communications system
[NASA-CASE-NPO-14480-1] c 32 N80-20448

GROUT

- Antenna grout replacement system
[NASA-CASE-NPO-15202-1] c 27 N83-34043

GUARDS (SHIELDS)

- Safety shield for vacuum/pressure chamber viewing port
[NASA-CASE-GSC-12513-1] c 31 N81-19343

GUIDANCE (MOTION)

- Gravity stabilized flying vehicle Patent
[NASA-CASE-MSC-12111-1] c 02 N71-11039

- Adjustable attitude guide device Patent
[NASA-CASE-XLA-07911] c 15 N71-15571
- Film feed camera having a detent means Patent
[NASA-CASE-LAR-10686] c 14 N71-28935
- Two component bearing Patent
[NASA-CASE-XLA-00013] c 15 N71-29136
- Cable stabilizer for open shaft cable operated elevators
[NASA-CASE-KSC-10513] c 15 N72-25453
- Phase sensitive guidance sensor for wire-following vehicles
[NASA-CASE-NPO-15341-1] c 33 N82-12346
- Thumb actuated two axis controller
[NASA-CASE-ARC-11372-1] c 08 N83-12098

GUIDANCE SENSORS

- Light sensitive digital aspect sensor Patent
[NASA-CASE-XGS-00359] c 14 N70-34158
- Guidance and maneuver analyzer Patent
[NASA-CASE-XNP-09572] c 14 N71-15621
- Optical machine tool alignment indicator Patent
[NASA-CASE-XAC-09489-1] c 15 N71-26673
- Light sensor
[NASA-CASE-NPO-11311] c 14 N72-25414
- Sun direction detection system
[NASA-CASE-NPO-13722-1] c 74 N77-22951
- Terminal guidance sensor system
[NASA-CASE-NPO-14521-1] c 54 N79-20746
- Focal plane array optical proximity sensor
[NASA-CASE-NPO-15155-1] c 74 N81-22894
- Phase sensitive guidance sensor for wire-following vehicles
[NASA-CASE-NPO-15341-1] c 33 N82-12346
- Sun sensing guidance system for high altitude aircraft
[NASA-CASE-FRC-11052-1] c 04 N82-23231

GUN LAUNCHERS

- Self-obliterating, gas operated launcher
[NASA-CASE-NPO-11013] c 11 N72-22247

GUN PROPELLANTS

- Nitramine propellants --- gun propellant burning rate
[NASA-CASE-NPO-14103-1] c 28 N78-31255
- Hypervelocity gun --- using both electric and chemical energy for projectile propulsion
[NASA-CASE-XLE-03186-1] c 09 N79-21084

GUNN EFFECT

- Voltage tunable Gunn-type microwave generator Patent
[NASA-CASE-XER-07894] c 09 N71-18721
- Shielded cathode mode bulk effect devices
[NASA-CASE-ERC-10118] c 26 N72-21701
- Gunn-type solid state devices
[NASA-CASE-XER-07895] c 26 N72-25679
- Magnetically actuated tuning method for Gunn oscillators
[NASA-CASE-NPO-12106] c 09 N73-15235

GUNS

- Method of peening and portable peening gun
[NASA-CASE-MFS-23047-1] c 37 N76-18454

GYNECOLOGY

- Cervix-to-rectum measuring device in a radiation applicator for use in the treatment of cervical cancer
[NASA-CASE-GSC-12081-2] c 52 N82-22875

GYRATORS

- Gyrator type circuit Patent
[NASA-CASE-XAC-10608-1] c 09 N71-12517
- Gyrator employing field effect transistors
[NASA-CASE-MFS-21433] c 09 N73-20232
- Integrated P-channel MOS gyrator
[NASA-CASE-MFS-22343-1] c 33 N74-34638
- Integrable power gyrator --- with Z-matrix design using parallel transistors
[NASA-CASE-MFS-22342-1] c 33 N75-30428

GYROSCOPES

- Externally pressurized fluid bearing Patent
[NASA-CASE-XMF-00515] c 15 N70-34664
- Air bearing Patent
[NASA-CASE-XMF-00339] c 15 N70-39896
- Spacecraft experiment pointing and attitude control system Patent
[NASA-CASE-XLA-05464] c 21 N71-14132
- Temperature compensated digital inertial sensor --- circuit for maintaining inertial element of gyroscope or accelerometer at constant position
[NASA-CASE-NPO-13044-1] c 35 N74-15094
- All sky pointing attitude control system
[NASA-CASE-ARC-10716-1] c 35 N77-20399

GYROSCOPIC PENDULUMS

- Autonomous navigation system --- gyroscopic pendulum for air navigation
[NASA-CASE-ARC-11257-1] c 04 N81-21047

GYROSTABILIZERS

- Passive dual spin misalignment compensators --- gyro stabilized device
[NASA-CASE-GSC-11479-1] c 35 N74-28097
- Annular momentum control device used for stabilization of space vehicles and the like
[NASA-CASE-LAR-11051-1] c 15 N76-14158

- Aircraft body-axis rotation measurement system
[NASA-CASE-FRC-11043-1] c 06 N83-33882

H

HAFNIUM

- Thermal shock resistant hafnia ceramic material
[NASA-CASE-LAR-10894-1] c 18 N73-14584

HALIDES

- Method for producing dispersion strengthened alloys by converting metal to a halide, comminuting, reducing the metal halide to the metal and sintering
[NASA-CASE-LEW-10450-1] c 15 N72-25448
- Zinc-halide battery with molten electrolyte
[NASA-CASE-NPO-11961-1] c 44 N76-18643
- The 1 - (dialkoxyposphonyl)methyl -2,4- and -2,6-dinitro- and diamino benzenes and their derivatives
[NASA-CASE-ARC-11425-1] c 23 N83-28076

HALL EFFECT

- Hall current measuring apparatus having a series resistor for temperature compensation Patent
[NASA-CASE-XAC-01662] c 14 N71-23037
- Brushless direct current tachometer Patent
[NASA-CASE-MFS-20385] c 09 N71-24904
- Hall effect transducer
[NASA-CASE-LAR-10620-1] c 09 N72-25255
- Redundant speed control for brushless Hall effect motor
[NASA-CASE-MFS-20207-1] c 09 N73-32107
- Hall effect magnetometer
[NASA-CASE-LEW-11632-2] c 35 N75-13213
- Magnetic field control --- electromechanical torquing device
[NASA-CASE-MFS-23828-1] c 33 N82-26569

HALL GENERATORS

- Hall current measuring apparatus having a series resistor for temperature compensation Patent
[NASA-CASE-XAC-01662] c 14 N71-23037

HALOGENS

- Modified polyurethane foams for fuel-fire Patent
[NASA-CASE-ARC-10098-1] c 06 N71-24739

HAMMERS

- Apparatus for making diamonds
[NASA-CASE-MFS-20698] c 15 N72-20446

HAND (ANATOMY)

- Mechanically actuated triggered hand
[NASA-CASE-MFS-20413] c 15 N72-21463
- Therapeutic hand exerciser
[NASA-CASE-LAR-11667-1] c 52 N76-19785
- Compact artificial hand
[NASA-CASE-NPO-13906-1] c 54 N79-24652

HANDLING EQUIPMENT

- Supporting and protecting device Patent
[NASA-CASE-XMF-00580] c 11 N70-35383
- Device for handling printed circuit cards Patent
[NASA-CASE-MFS-20453] c 15 N71-29133

HARDENING (MATERIALS)

- Method of heat treating age-hardenable alloys
[NASA-CASE-XNP-01311] c 26 N75-29236

HARMONIC GENERATORS

- Wide band doubler and sine wave quadrature generator
[NASA-CASE-NPO-11133] c 10 N72-20223

HARNESSES

- Pressure suit tie-down mechanism Patent
[NASA-CASE-XMS-00784] c 05 N71-12335
- One hand backpack harness
[NASA-CASE-LAR-10102-1] c 05 N72-23085
- Shoulder harness and lap belt restraint system
[NASA-CASE-ARC-10519-2] c 05 N75-25915

HATCHES

- Emergency escape system Patent
[NASA-CASE-MSC-12086-1] c 05 N71-12345

HEAD-UP DISPLAYS

- Heads up display
[NASA-CASE-LAR-12630-1] c 06 N82-29319

HEART FUNCTION

- Ratemeter
[NASA-CASE-MFS-20418] c 14 N73-24473
- Ultrasonic biomedical measuring and recording apparatus --- for recording motion of internal organs such as heart valves
[NASA-CASE-ARC-10597-1] c 52 N74-20726

HEART RATE

- Digital cardiometer system Patent
[NASA-CASE-XMS-02399] c 05 N71-22896
- Ratemeter
[NASA-CASE-MFS-20418] c 14 N73-24473
- Digital computing cardiometer
[NASA-CASE-MFS-20284-1] c 52 N74-12778
- Pulse transducer with artifact signal attenuator --- heart rate sensors
[NASA-CASE-FRC-11012-1] c 52 N80-23969
- Dual physiological rate measurement instrument
[NASA-CASE-MSC-20078-1] c 52 N82-32971

HEAT

Thermionic converter with current augmented by self induced magnetic field Patent
[NASA-CASE-XLE-01903] c 22 N71-23599

HEAT EXCHANGERS

Electro-thermal rocket Patent
[NASA-CASE-XLE-00267] c 28 N70-33356
Space suit heat exchanger Patent
[NASA-CASE-XMS-09571] c 05 N71-19439
Dual solid cryogenics for spacecraft refrigeration Patent
[NASA-CASE-GSC-10188-1] c 23 N71-24725
Shell side liquid metal boiler
[NASA-CASE-NPO-10831] c 33 N72-20915
Helium refrigerator and method for decontaminating the refrigerator
[NASA-CASE-NPO-10634] c 23 N72-25619
Condensate removal device for heat exchanger
[NASA-CASE-MSC-14143-1] c 77 N75-20139
Heat exchanger system and method
[NASA-CASE-LAR-10799-2] c 34 N76-17317
Heat transfer device
[NASA-CASE-MFS-22938-1] c 34 N76-18374
Heat exchanger
[NASA-CASE-MFS-22991-1] c 34 N77-10463
Flat-plate heat pipe
[NASA-CASE-GSC-11998-1] c 34 N77-32413
Combustor — low nitrogen oxide formation
[NASA-CASE-NPO-13958-1] c 25 N79-11151
Fuel delivery system including heat exchanger means
[NASA-CASE-LEW-12793-1] c 37 N79-11403
Heat exchanger — rocket combustion chambers and cooling systems
[NASA-CASE-LEW-12252-1] c 34 N79-13288
Heat exchanger and method of making — bonding rocket chambers with a porous metal matrix
[NASA-CASE-LEW-12441-1] c 34 N79-13289
Thermal energy transformer
[NASA-CASE-NPO-14058-1] c 44 N79-18443
Portable breathing system — a breathing apparatus using a rebreathing system of heat exchangers for carbon dioxide removal
[NASA-CASE-MSC-16182-1] c 54 N80-10799
Heat exchanger and method of making — rocket lining
[NASA-CASE-LEW-12441-2] c 34 N80-24573
Heat exchanger and method of making
[NASA-CASE-LEW-12441-3] c 44 N81-24519
Cycling Joule Thomson refrigerator
[NASA-CASE-NPO-15251-1] c 31 N83-31897

HEAT FLUX

Heat flux sensor assembly
[NASA-CASE-XMS-05909-1] c 14 N69-27459
Heat flux measuring system Patent
[NASA-CASE-XFR-03802] c 33 N71-23085
Radial heat flux transformer
[NASA-CASE-NPO-10828] c 33 N72-17948

HEAT MEASUREMENT

Thermal detector of electromagnetic energy by means of a vibrating electrode Patent
[NASA-CASE-XAC-10768] c 09 N71-18830
Specific wavelength colorimeter — for measuring given solute concentration in test sample
[NASA-CASE-MSC-14081-1] c 35 N74-27860

HEAT PIPES

Heat pipe thermionic diode power system Patent
[NASA-CASE-XMF-05843] c 03 N71-11055
Microwave power receiving antenna Patent
[NASA-CASE-MFS-20333] c 09 N71-13486
Isothermal cover with thermal reservoirs Patent
[NASA-CASE-MFS-20355] c 33 N71-25353
Structural heat pipe — for spacecraft wall thermal insulation system
[NASA-CASE-GSC-11619-1] c 34 N75-12222
Method of forming a wick for a heat pipe
[NASA-CASE-NPO-13391-1] c 34 N76-27515
Production of I-123
[NASA-CASE-LEW-11390-3] c 25 N76-29379
Heat pipe with dual working fluids
[NASA-CASE-ARC-10198] c 34 N78-17336
Multi-chamber controllable heat pipe
[NASA-CASE-ARC-10199] c 34 N78-17337
Thermal control canister
[NASA-CASE-GSC-12253-1] c 34 N79-31523
Heat pipes to reduce engine exhaust emissions
[NASA-CASE-LEW-12590-1] c 25 N81-19245
Heat pipe cooled probe
[NASA-CASE-LAR-12588-1] c 44 N81-24525
High thermal power density heat transfer — thermionic converters
[NASA-CASE-LEW-12950-1] c 34 N82-11399
Heat pipes containing alkali metal working fluid
[NASA-CASE-LEW-12253-1] c 74 N83-19596
High thermal power density heat transfer apparatus providing electrical isolation at high temperature using heat pipes
[NASA-CASE-LEW-12950-2] c 44 N83-29804

Heat pipe thermal switch
[NASA-CASE-12812-1] c 34 N83-35307

HEAT PUMPS

Thermal pump-compressor for space use Patent
[NASA-CASE-XLA-00377] c 33 N71-17610
Manually actuated heat pump
[NASA-CASE-NPO-10677] c 05 N72-11084
Pump for delivering heated fluids
[NASA-CASE-NPO-11417] c 15 N73-24513
Magnetic heat pumping
[NASA-CASE-LEW-12508-1] c 34 N78-17335
Cooling system for high speed aircraft
[NASA-CASE-LAR-12406-1] c 05 N81-26114
Magnetic heat pumping
[NASA-CASE-LEW-12508-3] c 34 N83-29625

HEAT RADIATORS

Capillary radiator Patent
[NASA-CASE-XLE-03307] c 33 N71-14035
Radiator deployment actuator Patent
[NASA-CASE-MSC-11817-1] c 15 N71-26611
Space simulation and radiative property testing system and method Patent
[NASA-CASE-MFS-20096] c 14 N71-30026

HEAT RESISTANT ALLOYS

High temperature nickel-base alloy Patent
[NASA-CASE-XLE-00151] c 17 N70-33283
Nickel-base alloy Patent
[NASA-CASE-XLE-00283] c 17 N70-36616
High temperature cobalt-base alloy Patent
[NASA-CASE-XLE-02991] c 17 N71-16025
Brazing alloy Patent
[NASA-CASE-XNP-03063] c 17 N71-23365
Method of forming superalloys
[NASA-CASE-LEW-10805-1] c 15 N73-13465
Method of making pressure tight seal for super alloy
[NASA-CASE-LAR-10170-1] c 37 N74-11301
Method of forming articles of manufacture from superalloy powders
[NASA-CASE-LEW-10805-2] c 37 N74-13179
Refractory porcelain enamel passive control coating for high temperature alloys
[NASA-CASE-MFS-22324-1] c 27 N75-27160
Cermet composition and method of fabrication — heat resistant alloys and powders
[NASA-CASE-NPO-13120-1] c 27 N76-15311
Metallic hot wire anemometer — for high speed wind tunnel tests
[NASA-CASE-ARC-10911-1] c 35 N77-20400
Method of growing composites of the type exhibiting the Soret effect — improved structure of eutectic alloy crystals
[NASA-CASE-MFS-22926-1] c 24 N77-27187
Directionally solidified eutectic gamma plus beta nickel-base superalloys
[NASA-CASE-LEW-12908-1] c 26 N77-32279
Nickel base alloy — for gas turbine engine stator vanes
[NASA-CASE-LEW-12270-1] c 26 N77-32280
Directionally solidified eutectic gamma-gamma nickel-base superalloys
[NASA-CASE-LEW-12905-1] c 26 N78-18183
Overlay metallic-cermet alloy coating systems — for gas turbine engines
[NASA-CASE-LEW-13639-1] c 27 N82-33522
Coating with overlay metallic-cermet alloy systems
[NASA-CASE-LEW-13639-2] c 26 N83-17683
Improved thermal barrier coating system
[NASA-CASE-LEW-13324-2] c 26 N83-34014

HEAT SHIELDING

Heat flux sensor assembly
[NASA-CASE-XMS-05909-1] c 14 N69-27459
Heat shield oven
[NASA-CASE-XMS-04318] c 15 N69-27871
Heat shield Patent
[NASA-CASE-XMS-00486] c 33 N70-33344
Sandwich panel construction Patent
[NASA-CASE-XLA-00349] c 33 N70-37979
Hypersonic reentry vehicle Patent
[NASA-CASE-XMS-04142] c 31 N70-41631
Transpirationally cooled heat ablation system Patent
[NASA-CASE-XMS-02677] c 31 N70-42075
Azine polymers and process for preparing the same Patent
[NASA-CASE-XMF-08656] c 06 N71-11242
Synthesis of polymers schiff bases by reaction of acetals and amine compounds Patent
[NASA-CASE-XMF-08652] c 06 N71-11243
Lightweight refractory insulation and method of preparing the same Patent
[NASA-CASE-XMF-05279] c 18 N71-16124
Thermal radiation shielding Patent
[NASA-CASE-XLE-03432] c 33 N71-24145
Spacecraft Patent
[NASA-CASE-MSC-13047-1] c 31 N71-25434
Fabric for micrometeoroid protection garment Patent
[NASA-CASE-MSC-12109] c 18 N71-26285

Thermal insulation attaching means — adhesive bonding of felt vibration insulators under ceramic tiles
[NASA-CASE-MSC-12619-2] c 27 N79-12221
Thermal insulation protection means
[NASA-CASE-MSC-12737-1] c 24 N79-25142
Installing fiber insulation
[NASA-CASE-MSC-16973-1] c 37 N81-14317
Thermal barrier pressure seal — shielding junctions between spacecraft control surfaces and structures
[NASA-CASE-MSC-18134-1] c 37 N81-15363
Multilayer thermal protection system
[NASA-CASE-LAR-12620-1] c 24 N82-32417
Mechanical fastener
[NASA-CASE-LAR-12738-1] c 18 N82-33419
Thermal control system
[NASA-CASE-GSC-12771-1] c 34 N83-12361
Phthalocyanine polymers
[NASA-CASE-ARC-11413-1] c 27 N83-14275
High temperature silicon carbide impregnated insulating fabrics
[NASA-CASE-MSC-18832-1] c 27 N83-18908

HEAT SINKS

Thermal conductive connection and method of making same Patent
[NASA-CASE-XMS-02087] c 09 N70-41717
Constant temperature heat sink for calorimeters Patent
[NASA-CASE-XMF-04208] c 33 N71-29051
Tubular sublimatory evaporator heat sink
[NASA-CASE-ARC-10912-1] c 34 N77-18353
Compact pulsed laser having improved heat conductance
[NASA-CASE-NPO-13147-1] c 36 N77-25502
Hypersonic airbreathing missile
[NASA-CASE-LAR-12264-1] c 15 N78-32168
Electroexplosive device
[NASA-CASE-NPO-13858-1] c 28 N79-11231
Thermal control canister
[NASA-CASE-GSC-12253-1] c 34 N79-31523
Radiative cooler
[NASA-CASE-NPO-15465-1] c 18 N82-10106
Heat pipe thermal switch
[NASA-CASE-12812-1] c 34 N83-35307

HEAT SOURCES

Conically shaped cavity radiometer with a dual purpose cone winding Patent
[NASA-CASE-NXP-09701] c 14 N71-26475
Thermally cascaded thermoelectric generator
[NASA-CASE-NPO-10753] c 03 N72-26031
Protected isotope heat source — for atmospheric reentry protection and heat transmission to spacecraft
[NASA-CASE-LEW-11227-1] c 73 N75-30876
Portable electrophoresis apparatus using minimum electrolyte
[NASA-CASE-NPO-13274-1] c 25 N79-10163

HEAT STORAGE

Solar energy trap
[NASA-CASE-MFS-22744-1] c 44 N76-24696
Thermal energy storage system — operating on superheating of liquids
[NASA-CASE-MFS-23167-1] c 44 N76-31667

HEAT TRANSFER

Thermal switch Patent
[NASA-CASE-XNP-00463] c 33 N70-36847
Sandwich panel construction Patent
[NASA-CASE-XLA-00349] c 33 N70-37979
Apparatus for transferring cryogenic liquids Patent
[NASA-CASE-XLE-00345] c 15 N70-38020
Method of improving heat transfer characteristics in a nucleate boiling process Patent
[NASA-CASE-XMS-04268] c 33 N71-16277
Transmission line thermal short Patent
[NASA-CASE-XNP-09775] c 09 N71-20445
Heat sensing instrument Patent
[NASA-CASE-XLA-01551] c 14 N71-22989
Fluid phase analyzer Patent
[NASA-CASE-NPO-10691] c 14 N71-26199
Heat conductive resiliently compressible structure for space electronics package modules Patent
[NASA-CASE-MSC-12389] c 33 N71-29052
Space simulation and radiative property testing system and method Patent
[NASA-CASE-MFS-20096] c 14 N71-30026
Manually actuated heat pump
[NASA-CASE-NPO-10677] c 05 N72-11084
High intensity radiant energy pulse source having means for opening shutter when light flux has reached a desired level
[NASA-CASE-ARC-10178-1] c 09 N72-17152
Apparatus for sensing temperature
[NASA-CASE-XLE-05230] c 14 N72-27410
Thermal control system for a spacecraft modular housing
[NASA-CASE-GSC-11018-1] c 31 N73-30829
Thermal flux transfer system
[NASA-CASE-NPO-12070-1] c 28 N73-32606

- Electrostatically controlled heat shutter
[NASA-CASE-NPO-11942-1] c 33 N73-32818
- Heat transfer device
[NASA-CASE-NPO-11120-1] c 34 N74-18552
- Heat exchanger
[NASA-CASE-MFS-22991-1] c 34 N77-10463
- Heat pipe with dual working fluids
[NASA-CASE-ARC-10198] c 34 N78-17336
- Low cost cryostat
[NASA-CASE-NPO-14513-1] c 35 N81-14287
- Heat exchanger and method of making
[NASA-CASE-LEW-12441-3] c 44 N81-24519
- A stable density-stratification solar pond
[NASA-CASE-NPO-15419-1] c 44 N81-27599
- Thermochemical generation of hydrogen
[NASA-CASE-NPO-15015-1] c 25 N82-28368
- Thermal control system
[NASA-CASE-GSC-12771-1] c 34 N83-12361
- Heat pipes containing alkali metal working fluid
[NASA-CASE-LEW-12253-1] c 74 N83-19596
- Automatic thermal switch --- spacecraft applications
[NASA-CASE-GSC-12553-1] c 34 N83-28356
- High thermal power density heat transfer apparatus providing electrical isolation at high temperature using heat pipes
[NASA-CASE-LEW-12950-2] c 44 N83-29804
- Heat pipe thermal switch
[NASA-CASE-12812-1] c 34 N83-35307
- HEAT TRANSMISSION**
- Heat flow calorimeter --- measures output of Ni-Cd batteries
[NASA-CASE-GSC-11434-1] c 34 N74-27859
- Protected isotope heat source --- for atmospheric reentry protection and heat transmission to spacecraft
[NASA-CASE-LEW-11227-1] c 73 N75-30876
- Heat transparent high intensity high efficiency solar cell
[NASA-CASE-LEW-12892-1] c 44 N83-14692
- HEAT TREATMENT**
- High-speed infrared furnace
[NASA-CASE-XLE-10466] c 17 N69-25147
- Heat shield oven
[NASA-CASE-XMS-04318] c 15 N69-27871
- Method for molding compounds Patent
[NASA-CASE-XLA-01091] c 15 N71-10672
- Method of producing refractory bodies having controlled porosity Patent
[NASA-CASE-LEW-10393-1] c 17 N71-15468
- Inorganic thermal control pigment Patent
[NASA-CASE-XNP-02139] c 18 N71-24184
- Thermal compression bonding of interconnectors
[NASA-CASE-GSC-10303] c 15 N72-22487
- Method of heat treating a formed powder product material
[NASA-CASE-LEW-10805-3] c 26 N74-10521
- Diffusion welding --- heat treatment of nickel alloys following single step vacuum welding process
[NASA-CASE-LEW-11388-2] c 37 N74-21055
- Heat sterilizable patient ventilator
[NASA-CASE-NPO-13313-1] c 54 N75-27761
- Method of heat treating age-hardenable alloys
[NASA-CASE-XNP-01311] c 26 N75-29236
- Method for detecting pollutants --- through chemical reactions and heat treatment
[NASA-CASE-LAR-11405-1] c 45 N76-31714
- Method of producing complex aluminum alloy parts of high temper. and products thereof
[NASA-CASE-MSC-19693-1] c 26 N78-24333
- Bakeable McLeod gauge
[NASA-CASE-XGS-01293-1] c 35 N79-33450
- Heat treat fixture and method of heat treating
[NASA-CASE-LAR-11821-1] c 26 N80-28492
- HEATERS**
- Inherent redundancy electric heater
[NASA-CASE-MFS-21462-1] c 33 N74-14935
- HEATING**
- System for preconditioning a combustible vapor
[NASA-CASE-NPO-12072] c 28 N72-22772
- Diffusion welding in air --- solid state welding of butt joint by fusion welding, surface cleaning, and heating
[NASA-CASE-LEW-11367-1] c 37 N74-18128
- An improved synthesis of 2,4,8,10-tetroxaspiro (5.5) undecane
[NASA-CASE-ARC-11243-2] c 23 N80-31472
- Heating and cooling system --- for fatigue test specimens
[NASA-CASE-LAR-12393-1] c 34 N83-34221
- HEATING EQUIPMENT**
- Method and apparatus for controllably heating fluid Patent
[NASA-CASE-XMF-04237] c 33 N71-16278
- Electric arc apparatus Patent
[NASA-CASE-XAC-01677] c 09 N71-20816
- Radial heat flux transformer
[NASA-CASE-NPO-10828] c 33 N72-17948
- Self-cycling fluid heater
[NASA-CASE-MSC-15567-1] c 33 N73-16918
- Portable heatable container
[NASA-CASE-NPO-14237-1] c 44 N80-20808
- Glass heating panels and method for preparing the same from architectural reflective glass
[NASA-CASE-NPO-15753-1] c 33 N82-23396
- HEIGHT**
- Sidelooking laser altimeter for a flight simulator
[NASA-CASE-ARC-11312-1] c 36 N83-34304
- HELICAL ANTENNAS**
- Weatherproof helix antenna Patent
[NASA-CASE-XKS-08485] c 07 N71-19493
- Collapsible high gain antenna
[NASA-CASE-KSC-10392] c 07 N73-26117
- HELICOPTER WAKES**
- Variable geometry rotor system
[NASA-CASE-LAR-10557] c 02 N72-11018
- HELICOPTERS**
- Hingeless helicopter rotor with improved stability
[NASA-CASE-ARC-10807-1] c 05 N77-17029
- Non-destructive method for applying and removing instrumentation on helicopter rotor blades
[NASA-CASE-LAR-11201-1] c 35 N78-24515
- Constant lift rotor for a heavier than air craft
[NASA-CASE-ARC-11045-1] c 05 N79-17847
- Helicopter rotor airfoil
[NASA-CASE-LAR-12396-1] c 02 N79-24958
- HELIOSTATS**
- Solar tracking system
[NASA-CASE-MFS-23999-1] c 44 N81-24520
- HELIUM**
- Helium refining by superfluidity Patent
[NASA-CASE-XNP-00733] c 06 N70-34946
- High pressure helium purifier Patent
[NASA-CASE-XMF-06888] c 15 N71-24044
- Method and apparatus for generating coherent radiation in the ultra-violet region and above by use of distributed feedback
[NASA-CASE-NPO-13346-1] c 36 N76-29575
- Cryostat system for temperatures on the order of 2 deg K or less
[NASA-CASE-NPO-13459-1] c 31 N77-10229
- Thermal compensator for closed-cycle helium refrigerator --- assuring constant temperature for an infrared laser diode
[NASA-CASE-GSC-12168-1] c 31 N79-17029
- HELIUM HYDROGEN ATMOSPHERES**
- Method and means for helium/hydrogen ratio measurement by alpha scattering
[NASA-CASE-NPO-14079-1] c 25 N80-20334
- HELIUM IONS**
- Charge transfer reaction laser with preionization means
[NASA-CASE-NPO-13945-1] c 36 N78-27402
- HELIUM-NEON LASERS**
- Laser communication system for controlling several functions at a location remote to the laser
[NASA-CASE-LAR-10311-1] c 16 N73-16536
- Direction sensitive laser velocimeter --- determining the direction of particles using a helium-neon laser
[NASA-CASE-LAR-12177-1] c 36 N81-24422
- HELMETS**
- Helmet assembly and latch means therefor Patent
[NASA-CASE-XMS-04935] c 05 N71-11190
- Electrode construction Patent
[NASA-CASE-ARC-10043-1] c 05 N71-11193
- Venting device for pressurized space suit helmet Patent
[NASA-CASE-XMS-09652-1] c 05 N71-26333
- Helmet latching and attaching ring
[NASA-CASE-XMS-04670] c 54 N78-17678
- Protective garment ventilation system
[NASA-CASE-XMS-04928] c 54 N78-17679
- Helmet feedport
[NASA-CASE-XMS-09653] c 54 N78-17680
- Emergency space-suit helmet
[NASA-CASE-MSC-10954-1] c 54 N78-18761
- Helmet weight simulator
[NASA-CASE-LAR-12320-1] c 54 N81-27806
- HELMHOLTZ RESONATORS**
- Acoustic ground impedance meter
[NASA-CASE-LAR-12995-1] c 71 N83-15044
- HEMISPHERICAL SHELLS**
- Anti-glare improvement for optical imaging systems Patent
[NASA-CASE-NPO-10337] c 14 N71-15604
- HERMETIC SEALS**
- Line cutter Patent
[NASA-CASE-XMS-04072] c 15 N70-42017
- Hermetically sealed explosive release mechanism Patent
[NASA-CASE-XGS-00824] c 15 N71-16078
- Traveling sealer for contoured table Patent
[NASA-CASE-XLA-01494] c 15 N71-24164
- Method for detecting leaks in hermetically sealed containers Patent
[NASA-CASE-ERC-10045] c 15 N71-24910
- Hermetic sealed vibration damper Patent
[NASA-CASE-MSC-10959] c 15 N71-26243
- Method of forming ceramic to metal seal Patent
[NASA-CASE-XNP-01263-2] c 15 N71-26312
- Pressure seal Patent
[NASA-CASE-NPO-10796] c 15 N71-27068
- Tube sealing device Patent
[NASA-CASE-NPO-10431] c 15 N71-29132
- Hermetically sealed elbow actuator
[NASA-CASE-MFS-14710] c 09 N72-22195
- Heat transfer device
[NASA-CASE-NPO-11120-1] c 34 N74-18552
- Device for tensioning test specimens within an hermetically sealed chamber
[NASA-CASE-MFS-23281-1] c 35 N77-22450
- Cooling system for removing metabolic heat from an hermetically sealed spacesuit
[NASA-CASE-ARC-11059-1] c 54 N78-32721
- Hermetic seal for a shaft
[NASA-CASE-NPO-15115-1] c 37 N82-24493
- Moisture content and gas sampling device --- to test hermetically sealed electronic equipment
[NASA-CASE-MSC-18866-1] c 35 N82-26634
- Hermetically sealable package for hybrid solid-state electronic devices and the like
[NASA-CASE-MSC-20181-1] c 33 N82-28549
- HEXAGONS**
- Hexagon solar power panel
[NASA-CASE-NPO-12148-1] c 44 N78-27515
- HEXAMETHYLENETETRAMINE**
- Structural wood panels with improved fire resistance
[NASA-CASE-ARC-11174-1] c 24 N81-13999
- HEXOKINASE**
- Use of the enzyme hexokinase for the reduction of inherent light levels
[NASA-CASE-XGS-05533] c 04 N69-27487
- HIGH ACCELERATION**
- Universal pilot restraint suit and body support therefor Patent
[NASA-CASE-XAC-00405] c 05 N70-41819
- High acceleration cable deployment system
[NASA-CASE-ARC-11256-1] c 15 N82-24272
- HIGH ALTITUDE**
- Balanced bellows spirometer
[NASA-CASE-XAR-01547] c 05 N69-21473
- Sun sensing guidance system for high altitude aircraft
[NASA-CASE-FRC-11052-1] c 04 N82-23231
- HIGH ALTITUDE BALLOONS**
- Thin film strain transducer --- for strain monitoring of high altitude balloons
[NASA-CASE-WLP-10055-1] c 35 N82-26632
- HIGH ALTITUDE ENVIRONMENTS**
- Method of making a solid propellant rocket motor Patent
[NASA-CASE-XLA-04126] c 28 N71-26779
- HIGH ASPECT RATIO**
- Landing arrangement for aerial vehicles Patent
[NASA-CASE-XLA-00142] c 02 N70-33286
- Landing arrangement for aerial vehicle Patent
[NASA-CASE-XLA-00806] c 02 N70-34858
- Means for controlling aerodynamically induced twist
[NASA-CASE-LAR-12175-1] c 05 N82-28279
- HIGH FREQUENCIES**
- Apparatus for ballasting high frequency transistors
[NASA-CASE-XGS-05003] c 09 N69-24318
- Holder for crystal resonators Patent
[NASA-CASE-XNP-03637] c 15 N71-21311
- Multiple varactor frequency doubler Patent
[NASA-CASE-XMF-04958-1] c 10 N71-26414
- Filtering technique based on high-frequency plant modeling for high-gain control
[NASA-CASE-LAR-12215-1] c 08 N79-23097
- Inelastic tunnel diodes
[NASA-CASE-LEW-13833-1] c 33 N83-25983
- HIGH GAIN**
- Filtering technique based on high-frequency plant modeling for high-gain control
[NASA-CASE-LAR-12215-1] c 08 N79-23097
- HIGH PASS FILTERS**
- Radio frequency coaxial high pass filter Patent
[NASA-CASE-XGS-01418] c 09 N71-23573
- HIGH POLYMERS**
- Variable stiffness polymers damper
[NASA-CASE-XAC-11225] c 14 N69-27486
- HIGH POWER LASERS**
- Large volume multiple-path nuclear pumped laser
[NASA-CASE-LAR-12592-1] c 36 N82-13415
- Pulse switching for high energy lasers
[NASA-CASE-NPO-14556-1] c 33 N82-24418
- High power metallic halide laser --- amplifying a copper chloride laser
[NASA-CASE-NPO-14782-1] c 36 N82-28616

HIGH PRESSURE

- High-temperature, high-pressure spherical segment valve Patent
[NASA-CASE-XAC-00074] c 15 N70-34817
- High pressure four-way valve Patent
[NASA-CASE-XNP-00214] c 15 N70-36908
- High pressure filter Patent
[NASA-CASE-XNP-00732] c 28 N70-41447
- Antiflutter ball check valve Patent
[NASA-CASE-XNP-01152] c 15 N70-41811
- Liquid flow sight assembly Patent
[NASA-CASE-XLE-02998] c 14 N70-42074
- High pressure regulator valve Patent
[NASA-CASE-XNP-00710] c 15 N71-10778
- Hypersonic test facility Patent
[NASA-CASE-XLA-00378] c 11 N71-15925
- High pressure air valve Patent
[NASA-CASE-MS-11010] c 15 N71-19485
- Valve seat with resilient support member Patent
[NASA-CASE-XKS-02582] c 15 N71-21234
- High pressure helium purifier Patent
[NASA-CASE-XMF-06888] c 15 N71-24044
- Liquid aerosol dispenser
[NASA-CASE-MFS-20829] c 12 N72-21310
- Gas compression apparatus
[NASA-CASE-MS-14757-1] c 35 N78-10428
- Purging means and method for Xenon arc lamps
[NASA-CASE-NPO-11978] c 31 N78-17238
- Shaft seal assembly for high speed and high pressure applications
[NASA-CASE-LEW-11873-1] c 37 N79-22475
- Surface conforming thermal/pressure seal --- tail assemblies of space shuttle orbiters
[NASA-CASE-MS-18422-1] c 37 N82-16408

HIGH RESOLUTION

- High pulse rate high resolution optical radar system
[NASA-CASE-NPO-11426] c 07 N73-26119
- High resolution Fourier interferometer-spectrophotopolarimeter
[NASA-CASE-NPO-13604-1] c 35 N76-31490
- High resolution threshold photoelectron spectroscopy by electron attachment
[NASA-CASE-NPO-14078-1] c 72 N80-14877
- Interferometer --- high resolution
[NASA-CASE-NPO-14448-1] c 74 N81-29963
- Correlation spectrometer having high resolution and multiplexing capability
[NASA-CASE-NPO-15558-1] c 35 N82-26636
- Retinally stabilized differential resolution television display
[NASA-CASE-JPO-15432-1] c 32 N83-12308
- High speed multi focal plane optical system
[NASA-CASE-GSC-12683-1] c 74 N83-36898

HIGH SPEED

- Balanced bellows spirometer
[NASA-CASE-XAR-01547] c 05 N69-21473
- High speed low level electrical stepping switch Patent
[NASA-CASE-XAC-00060] c 09 N70-39915
- Impact testing machine Patent
[NASA-CASE-XNP-04817] c 14 N71-23225
- Traversing probe Patent
[NASA-CASE-XFR-02007] c 12 N71-24692
- High speed rolling element bearing
[NASA-CASE-LEW-10856-1] c 15 N72-22490
- Two stage light gas-plasma projectile accelerator
[NASA-CASE-MFS-22287-1] c 75 N76-14931
- Selective data segment monitoring system --- using shift registers
[NASA-CASE-ARC-10899-1] c 60 N77-19760
- Shaft seal assembly for high speed and high pressure applications
[NASA-CASE-LEW-11873-1] c 37 N79-22475
- High speed multi focal plane optical system
[NASA-CASE-GSC-12683-1] c 74 N83-36898

HIGH SPEED CAMERAS

- Electrically-operated rotary shutter Patent
[NASA-CASE-XNP-00637] c 14 N70-40273

HIGH STRENGTH

- Method of making fiber composites
[NASA-CASE-LEW-10424-2-2] c 18 N72-25539

HIGH STRENGTH ALLOYS

- High temperature cobalt-base alloy Patent
[NASA-CASE-XLE-00726] c 17 N71-15644
- Low temperature aluminum alloy Patent
[NASA-CASE-XMF-02786] c 17 N71-20743
- Method of producing refractory composites containing tantalum carbide, hafnium carbide, and hafnium boride Patent
[NASA-CASE-XLE-03940] c 18 N71-26153
- Nickel base alloy
[NASA-CASE-LEW-10874-1] c 17 N72-22535
- Cobalt-base alloy
[NASA-CASE-LEW-10436-1] c 17 N73-32415
- High toughness-high strength iron alloy
[NASA-CASE-LEW-12542-3] c 26 N80-32484

HIGH STRENGTH STEELS

- Prevention of hydrogen embrittlement of high strength steel by hydrazine compositions --- by adding potassium hydroxide to hydrazine
[NASA-CASE-NPO-12122-1] c 24 N76-14203
- Process for making a high toughness-high strength ion alloy
[NASA-CASE-LEW-12542-2] c 26 N79-22271

HIGH TEMPERATURE

- High temperature heat source Patent
[NASA-CASE-XLE-00490] c 33 N70-34545
- Thermionic diode switch Patent
[NASA-CASE-NPO-10404] c 03 N71-12255
- Hypersonic test facility Patent
[NASA-CASE-XLA-00378] c 11 N71-15925
- Method for fibering ceramic materials Patent
[NASA-CASE-XNP-00597] c 18 N71-23088
- Induction furnace with perforated tungsten foil shielding Patent
[NASA-CASE-XLE-04026] c 14 N71-23267
- Method of forming ceramic to metal seal Patent
[NASA-CASE-XNP-01263-2] c 15 N71-26312
- Method of making fiber composites
[NASA-CASE-LEW-10424-2-2] c 18 N72-25539
- Method of forming superalloys
[NASA-CASE-LEW-10805-1] c 15 N73-13465
- High temperature beryllium oxide capacitor
[NASA-CASE-LEW-11938-1] c 33 N76-15373
- Low to high temperature energy conversion system
[NASA-CASE-NPO-13510-1] c 44 N77-32581
- Thermocouples of molybdenum and indium alloys for more stable vacuum-high temperature performance
[NASA-CASE-LEW-12174-2] c 35 N79-14346
- High thermal power density heat transfer --- thermionic converters
[NASA-CASE-LEW-12950-1] c 34 N82-11399
- Elastomer toughened polyimide adhesives
[NASA-CASE-LAR-12775] c 27 N83-29390
- High temperature acoustic levitator
[NASA-CASE-NPO-16022-1] c 71 N83-36847

HIGH TEMPERATURE AIR

- Apparatus and method for generating large mass flow of high temperature air at hypersonic speeds
[NASA-CASE-LAR-10612-1] c 12 N73-28144

HIGH TEMPERATURE ENVIRONMENTS

- High-speed infrared furnace
[NASA-CASE-XLE-10468] c 17 N69-25147
- Nickel-base alloy Patent
[NASA-CASE-XLE-00283] c 17 N70-36616
- Strain sensor for high temperatures Patent
[NASA-CASE-XNP-09205] c 14 N71-17657
- Trielectrode capacitive pressure transducer
[NASA-CASE-ARC-10711-2] c 33 N76-21390
- Integrated structure vacuum tube
[NASA-CASE-ARC-10445-1] c 31 N76-31365
- Installing fiber insulation
[NASA-CASE-MS-16973-1] c 37 N81-14317
- Corrosion resistant thermal barrier coating --- protecting gas turbines and other engine parts
[NASA-CASE-LEW-13088-1] c 26 N81-25188
- High temperature penetrator assembly with bayonet plug and ramp-activated lock
[NASA-CASE-MS-18526-1] c 37 N82-24494
- Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-1] c 27 N82-29453
- Daze fasteners
[NASA-CASE-LAR-13009-1] c 37 N83-29706

HIGH TEMPERATURE FLUIDS

- Self-cycling fluid heater
[NASA-CASE-MS-15567-1] c 33 N73-16918
- High-temperature microphone system --- for measuring pressure fluctuations in gases at high temperature
[NASA-CASE-LAR-12375-1] c 32 N79-24203

HIGH TEMPERATURE GASES

- Instrument for the quantitative measurement of radiation at multiple wave lengths Patent
[NASA-CASE-XLE-00011] c 14 N70-41946
- Ablative resin Patent
[NASA-CASE-XLE-05913] c 33 N71-14032
- Transient heat transfer gauge Patent
[NASA-CASE-XNP-09802] c 33 N71-15641
- Apparatus and method for generating large mass flow of high temperature air at hypersonic speeds
[NASA-CASE-LAR-10578-1] c 12 N73-25262
- Isotope separation using metallic vapor lasers
[NASA-CASE-NPO-13550-1] c 36 N77-26477
- Start up system for hydrogen generator used with an internal combustion engine
[NASA-CASE-NPO-13849-1] c 28 N80-10374
- Free-piston regenerative hot gas hydraulic engine
[NASA-CASE-LEW-12274-1] c 37 N80-31790
- Hot gas engine with dual crankshafts
[NASA-CASE-NPO-14221-1] c 37 N81-25370

- Method and apparatus for strengthening boron fibers --- high temperature oxidation
[NASA-CASE-LEW-13828-1] c 24 N82-26385
- Curved film cooling admission tube
[NASA-CASE-LEW-13174-1] c 34 N83-27144

HIGH TEMPERATURE LUBRICANTS

- Method of making self lubricating fluoride-metal composite materials Patent
[NASA-CASE-XLE-08511-2] c 18 N71-16105
- Self-lubricating fluoride metal composite materials Patent
[NASA-CASE-XLE-08511] c 18 N71-23710
- Method of making bearing materials --- self-lubricating, oxidation resistant composites for high temperature applications
[NASA-CASE-LEW-11930-4] c 24 N79-17918

HIGH TEMPERATURE PLASMAS

- Method and apparatus for producing a plasma Patent
[NASA-CASE-XLA-00147] c 25 N70-34661

HIGH TEMPERATURE PROPELLANTS

- Feed system for an ion thruster
[NASA-CASE-NPO-10737] c 28 N72-11709

HIGH TEMPERATURE RESEARCH

- Gas cooled high temperature thermocouple Patent
[NASA-CASE-XLE-09475-1] c 33 N71-15568
- Light shield and infrared reflector for fatigue testing Patent
[NASA-CASE-XLA-01782] c 14 N71-26136
- High temperature oxidation resistant cermet compositions
[NASA-CASE-NPO-13666-1] c 27 N77-13217

HIGH TEMPERATURE TESTS

- High-temperature, high-pressure spherical segment valve Patent
[NASA-CASE-XAC-00074] c 15 N70-34817
- High temperature testing apparatus Patent
[NASA-CASE-XLE-00335] c 14 N70-35368
- Apparatus for positioning and loading a test specimen Patent
[NASA-CASE-XLE-01300] c 15 N70-41993
- Containerless high temperature calorimeter apparatus
[NASA-CASE-MFS-23923-1] c 35 N81-19426
- Heating and cooling system --- for fatigue test specimens
[NASA-CASE-LAR-12393-1] c 34 N83-34221

HIGH VACUUM

- Sealing device for an electrochemical cell Patent
[NASA-CASE-XGS-02630] c 03 N71-22974
- Vacuum evaporator with electromagnetic ion steering Patent
[NASA-CASE-NPO-10331] c 09 N71-26701
- Apparatus for absolute pressure measurement
[NASA-CASE-LAR-10000] c 14 N73-30394
- Plasma cleaning device --- designed for high vacuum environments
[NASA-CASE-MFS-22906-1] c 75 N78-27913

HIGH VACUUM ORBITAL SIMULATOR

- Space environmental work simulator Patent
[NASA-CASE-XMF-07488] c 11 N71-18773

HIGH VOLTAGES

- Electrode and insulator with shielded dielectric junction
[NASA-CASE-XLE-03778] c 09 N69-21542
- High-voltage cable Patent
[NASA-CASE-XNP-00738] c 09 N70-38201
- High voltage pulse generator Patent
[NASA-CASE-MS-12178-1] c 09 N71-13518
- High voltage transistor circuit Patent
[NASA-CASE-XNP-06937] c 09 N71-19516
- High voltage divider system Patent
[NASA-CASE-XLE-02008] c 09 N71-21583
- High voltage distributor
[NASA-CASE-GSC-11849-1] c 33 N76-16332
- Sustained arc ignition system
[NASA-CASE-LEW-12444-1] c 33 N77-28385
- High voltage planar multijunction solar cell
[NASA-CASE-LEW-13400-1] c 44 N82-31764
- Electronic system for high power load control --- solar arrays
[NASA-CASE-NPO-15358-1] c 33 N83-27126
- High voltage isolation transformer
[NASA-CASE-GSC-12817-1] c 33 N83-29590
- High voltage power supply
[NASA-CASE-GSC-12818-1] c 33 N83-29594
- High voltage v-groove solar cell
[NASA-CASE-LEW-13401-2] c 44 N83-32177

HIGHWAYS

- Traffic survey system --- using optical scanners
[NASA-CASE-MFS-22631-1] c 66 N76-19888

HINGES

- Foldable beam
[NASA-CASE-LAR-12077-1] c 31 N81-25259
- Self-locking mechanical center joint --- for space construction
[NASA-CASE-LAR-12864-1] c 37 N82-29606

- Vertical shaft windmill
[NASA-CASE-LAR-12923-1] c 44 N82-29713
- HISTOGRAMS**
Data compression system
[NASA-CASE-XNP-09785] c 08 N69-21928
- HOLDERS**
Water cooled contactor for anode in carbon arc mechanism
[NASA-CASE-XMS-03700] c 15 N69-24266
Quick disconnect latch and handle combination Patent
[NASA-CASE-MFS-11132] c 15 N71-17649
Holder for crystal resonators Patent
[NASA-CASE-XNP-03637] c 15 N71-21311
Adjustable force probe
[NASA-CASE-MFS-20760] c 14 N72-33377
Fifth wheel
[NASA-CASE-FRC-10081-1] c 37 N77-14477
Combined docking and grasping device
[NASA-CASE-MFS-23088-1] c 37 N77-23483
Plural output optometric sample cell and analysis system
[NASA-CASE-NPO-10233-1] c 74 N78-33913
Method and apparatus for holding two separate metal pieces together for welding
[NASA-CASE-GSC-12318-1] c 37 N80-23655
Head for high speed spinner having a vacuum chuck --- holding silicon dioxide chips for etching
[NASA-CASE-NPO-15227-1] c 37 N81-33482
Scriber for silicon wafers
[NASA-CASE-NPO-15539-1] c 37 N82-11469
Liquid immersion apparatus for minute articles
[NASA-CASE-MFS-25363-1] c 37 N82-12441
Spray coating apparatus having a rotatable workpiece holder
[NASA-CASE-ARC-11110-1] c 37 N82-24492
Workpiece positioning vise
[NASA-CASE-GSC-12762-1] c 37 N82-29604
Method and apparatus for gripping uniaxial fibrous composite materials --- holding specimens for mechanical property testing
[NASA-CASE-LEW-13758-1] c 24 N83-12176
Compression test apparatus
[NASA-CASE-MSC-18723-1] c 35 N83-21312
Apparatus and method for inspecting a bearing ball --- eddy current inspection technique
[NASA-CASE-MFS-25833-1] c 35 N83-21316
- HOLE DISTRIBUTION (MECHANICS)**
Thermocouple installation
[NASA-CASE-NPO-13540-1] c 35 N77-14409
- HOLE MOBILITY**
Depositing semiconductor films utilizing a thermal gradient
[NASA-CASE-XKS-04614] c 15 N69-21460
- HOLLOW**
Dual membrane hollow fiber fuel cell and method of operating same
[NASA-CASE-NPO-13732-1] c 44 N79-10513
- HOLLOW CATHODES**
Hydrogen hollow cathode ion source
[NASA-CASE-LEW-12940-1] c 72 N80-33186
- HOLOGRAPHIC INTERFEROMETRY**
Method of and apparatus for double-exposure holographic interferometry
[NASA-CASE-MFS-25405-1] c 35 N81-27459
Interferometric angle monitor
[NASA-CASE-GSC-12614-1] c 74 N83-32577
- HOLOGRAPHY**
Focused image holography with extended sources Patent
[NASA-CASE-ERC-10019] c 16 N71-15551
Hybrid holographic system using reflected and transmitted object beams simultaneously Patent
[NASA-CASE-MFS-20074] c 16 N71-15565
Recording and reconstructing focused image holograms Patent
[NASA-CASE-ERC-10017] c 16 N71-15567
Method and means for recording and reconstructing holograms without use of a reference beam Patent
[NASA-CASE-ERC-10020] c 16 N71-26154
Multiple image stoning system for high speed projectile holography
[NASA-CASE-MFS-20596] c 14 N72-17324
Holographic thin film analyzer
[NASA-CASE-MFS-20823-1] c 16 N73-30476
Method and apparatus for checking the stability of a setup for making reflection type holograms
[NASA-CASE-MFS-21455-1] c 35 N74-15146
Real time moving scene holographic camera system
[NASA-CASE-MFS-21087-1] c 35 N74-17153
Holography utilizing surface plasmon resonances
[NASA-CASE-MFS-22040-1] c 35 N74-26946
Holographic system for nondestructive testing
[NASA-CASE-MFS-21704-1] c 35 N75-25124
Real time, large volume, moving scene holographic camera system
[NASA-CASE-MFS-22537-1] c 35 N75-27328
- Holographic motion picture camera with Doppler shift compensation
[NASA-CASE-MFS-22517-1] c 35 N76-18402
Optical process for producing classification maps from multispectral data
[NASA-CASE-MSC-14472-1] c 43 N77-10584
- HOMING DEVICES**
Location identification system
[NASA-CASE-ERC-10324] c 07 N72-25173
- HONEYCOMB CORES**
Method of making inflatable honeycomb Patent
[NASA-CASE-XLA-03492] c 15 N71-22713
Method of forming shapes from planar sheets of thermosetting materials
[NASA-CASE-NPO-11036] c 15 N72-24522
Honeycomb core structures of minimal surface tubule sections
[NASA-CASE-ERC-10363] c 18 N72-25541
- HONEYCOMB STRUCTURES**
Method for making a heat insulating and ablative structure
[NASA-CASE-XMS-01108] c 15 N69-24322
Inflatable honeycomb Patent
[NASA-CASE-XLA-00204] c 32 N70-36536
Fluid flow control valve Patent
[NASA-CASE-XLE-00703] c 15 N71-15967
Method and apparatus for making a heat insulating and ablative structure Patent
[NASA-CASE-XMS-02009] c 33 N71-20834
Honeycomb panel and method of making same Patent
[NASA-CASE-XMF-01402] c 18 N71-21651
Cryogenic thermal insulation Patent
[NASA-CASE-XMF-05046] c 33 N71-28892
Honeycomb panels formed of minimal surface periodic tubule layers
[NASA-CASE-ERC-10364] c 18 N72-25540
Bonding or repairing process
[NASA-CASE-MSC-12357] c 15 N73-12489
Insert facing tool --- manually operated cutting tool for forming studs in honeycomb material
[NASA-CASE-MFS-21485-1] c 37 N74-25968
Vacuum pressure molding technique
[NASA-CASE-LAR-10073-1] c 37 N76-24575
Honeycomb-laminate composite structure
[NASA-CASE-ARC-10913-1] c 24 N78-15180
Method of making a composite sandwich lattice structure
[NASA-CASE-LAR-11898-2] c 24 N78-17149
Low density bismaleimide-carbon microballoon composites
[NASA-CASE-ARC-11040-1] c 24 N79-16915
Saltless solar pond
[NASA-CASE-NPO-15808-1] c 44 N82-29714
- HOOKS**
Line hook with loop expander
[NASA-CASE-LAR-12875-1] c 37 N83-20158
- HORIZON SCANNERS**
Electromagnetic mirror drive system
[NASA-CASE-XLA-03724] c 14 N69-27461
Multi-lobar scan horizon sensor Patent
[NASA-CASE-XGS-00809] c 21 N70-35427
Attitude orientation of spin-stabilized space vehicles Patent
[NASA-CASE-XLA-00281] c 21 N70-36943
Amplifier clamping circuit for horizon scanner Patent
[NASA-CASE-XGS-01784] c 10 N71-20782
Horizon sensor with a plurality of fixedly positioned radiation compensated radiation sensitive detectors Patent
[NASA-CASE-XNP-06957] c 14 N71-21088
Infrared horizon locator
[NASA-CASE-LAR-10726-1] c 14 N73-20475
- HORIZONTAL SPACECRAFT LANDING**
Variable-geometry winged reentry vehicle Patent
[NASA-CASE-XLA-00241] c 31 N70-37986
- HORIZONTAL TAIL SURFACES**
Translating horizontal tail Patent
[NASA-CASE-XLA-08801-1] c 02 N71-11043
- HORN ANTENNAS**
Antenna beam-shaping apparatus Patent
[NASA-CASE-XNP-00611] c 09 N70-35219
Parabolic reflector horn feed with spillover correction Patent
[NASA-CASE-XNP-00540] c 09 N70-35382
Horn feed having overlapping apertures Patent
[NASA-CASE-GSC-10452] c 07 N71-12396
Dual mode horn antenna Patent
[NASA-CASE-XNP-01057] c 07 N71-15907
Multi-purpose antenna employing dish reflector with plural coaxial horn feeds
[NASA-CASE-NPO-11264] c 07 N72-25174
Horn antenna having V-shaped corrugated slots
[NASA-CASE-LAR-11112-1] c 32 N76-15330
Highly efficient antenna system using a corrugated horn and scanning hyperbolic reflector
[NASA-CASE-NPO-13568-1] c 32 N76-21365
- Reflex feed system for dual frequency antenna with frequency cutoff means
[NASA-CASE-NPO-14022-1] c 32 N78-31321
Dual band combiner for horn antenna
[NASA-CASE-NPO-14519-1] c 32 N80-23524
Collapsible corrugated horn antenna
[NASA-CASE-LAR-11745-1] c 32 N80-29539
Multifrequency broadband polarized horn antenna
[NASA-CASE-NPO-14588-1] c 32 N81-25278
- HOT CATHODES**
Ion thruster cathode
[NASA-CASE-XLE-07087] c 06 N69-39889
- HOT PRESSING**
Method of making a cermet Patent
[NASA-CASE-LEW-10219-1] c 18 N71-28729
Holding fixture for a hot stamping press
[NASA-CASE-GSC-12619-1] c 37 N81-16470
- HOT WORKING**
Method for forming plastic materials Patent
[NASA-CASE-XMS-05516] c 15 N71-17803
- HOT-WIRE ANEMOMETERS**
Metallic hot wire anemometer --- for high speed wind tunnel tests
[NASA-CASE-ARC-10911-1] c 35 N77-20400
Method for making a hot wire anemometer and product thereof
[NASA-CASE-ARC-10900-1] c 35 N77-24454
- HOT-WIRE FLOWMETERS**
Hot wire liquid level detector for cryogenic fluids Patent
[NASA-CASE-XLE-00454] c 23 N71-17802
Flow separation detector
[NASA-CASE-ARC-11046-1] c 35 N78-14364
Hot foil transducer skin friction sensor
[NASA-CASE-LAR-12321-1] c 35 N82-24470
- HOUSINGS**
Sealed cabinetry Patent
[NASA-CASE-MSC-12168-1] c 09 N71-18600
Open type urine receptacle
[NASA-CASE-MSC-12324-1] c 05 N72-22093
Universal environment package with sectional component housing
[NASA-CASE-KSC-10031] c 15 N72-22486
Gas flow control device
[NASA-CASE-NPO-11478] c 15 N73-13462
Cryogenic gyroscope housing --- with annular disks for gas spin-up
[NASA-CASE-MFS-21136-1] c 35 N74-18323
Heat transfer device
[NASA-CASE-NPO-11120-1] c 34 N74-18552
Deformable bearing seat
[NASA-CASE-LEW-12527-1] c 37 N77-32500
- HOVERING**
Gravity stabilized flying vehicle Patent
[NASA-CASE-MSC-12111-1] c 02 N71-11039
- HUGENIOT EQUATION OF STATE**
Determining particle density using known material Hugoniot curves
[NASA-CASE-LAR-11059-1] c 76 N75-12810
- HULLS (STRUCTURES)**
Hydrofoil Patent
[NASA-CASE-XLA-00229] c 12 N70-33305
- HUMAN BEINGS**
Skeletal stressing method and apparatus Patent
[NASA-CASE-ARC-10100-1] c 05 N71-24738
Emergency escape system Patent
[NASA-CASE-XKS-07814] c 15 N71-27067
- HUMAN BODY**
Mass measuring system Patent
[NASA-CASE-XMS-03371] c 05 N70-42000
Biomedical electrode arrangement Patent
[NASA-CASE-XFR-10856] c 05 N71-11189
Garments for controlling the temperature of the body Patent
[NASA-CASE-XMS-10269] c 05 N71-24147
Tilting table for ergometer and for other biomedical devices
[NASA-CASE-MFS-21010-1] c 05 N73-30078
Method and system for in vivo measurement of bone tissue using a two level energy source
[NASA-CASE-MSC-14276-1] c 52 N77-14737
- HUMAN FACTORS ENGINEERING**
Shock absorbing support and restraint means Patent
[NASA-CASE-XMS-01240] c 05 N70-35152
Harness assembly Patent
[NASA-CASE-MFS-14671] c 05 N71-12341
Multiple circuit switch apparatus with improved pivot actuator structure Patent
[NASA-CASE-XAC-03777] c 10 N71-15909
Three-axis finger tip controller for switches Patent
[NASA-CASE-XAC-02405] c 09 N71-16089
Extravehicular tunnel suit system Patent
[NASA-CASE-MSC-12243-1] c 05 N71-24728
EEG sleep analyzer and method of operation Patent
[NASA-CASE-MSC-13282-1] c 05 N71-24729

- Spacesuit mobility joints
[NASA-CASE-ARC-11058-1] c 54 N78-31735
- Spacesuit torso closure
[NASA-CASE-ARC-11100-1] c 54 N78-31736
- Apparatus and method of inserting a microelectrode in body tissue or the like using vibration means
[NASA-CASE-NPO-13910-1] c 52 N79-27836
- Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-2] c 52 N81-25661
- Urine collection apparatus — feminine hygiene
[NASA-CASE-MSC-18381-1] c 52 N81-28740
- Spectrally balanced chromatic landing approach lighting system
[NASA-CASE-ARC-10990-1] c 04 N82-16059
- Thermal garment
[NASA-CASE-XMS-03694-1] c 54 N82-29002
- Kinesimetric method and apparatus
[NASA-CASE-MSC-18929-1] c 39 N83-20280
- HUMAN PERFORMANCE**
- Color perception tester
[NASA-CASE-KSC-10278] c 05 N72-16015
- HUMAN REACTIONS**
- Reaction tester
[NASA-CASE-MSC-13604-1] c 05 N73-13114
- HUMAN WASTES**
- Reduced gravity fecal collector seat and urinal
[NASA-CASE-MFS-22102-1] c 54 N74-20725
- Automatic bio waste sampling
[NASA-CASE-MSC-14640-1] c 54 N76-14804
- Absorbent product and articles made therefrom
[NASA-CASE-MSC-18223-2] c 52 N82-26960
- Absorbent product to absorb fluids — for collection of human wastes
[NASA-CASE-MSC-18223-1] c 24 N82-29362
- HUMIDITY**
- Passive intrusion detection system
[NASA-CASE-NPO-13804-1] c 33 N80-23559
- Apparatus for supplying conditioned air at a substantially constant temperature and humidity
[NASA-CASE-GSC-12191-1] c 31 N80-32583
- HYBRID CIRCUITS**
- Hermetically sealable package for hybrid solid-state electronic devices and the like
[NASA-CASE-MSC-20181-1] c 33 N82-28549
- Integrating IR detector imaging systems
[NASA-CASE-NPO-15805-1] c 74 N83-20757
- HYBRID COMPUTERS**
- Adaptive voting computer system
[NASA-CASE-MSC-13932-1] c 62 N74-14920
- HYBRID PROPELLANTS**
- Solid propellant liner Patent
[NASA-CASE-XNP-09744] c 27 N71-16392
- HYDRAULIC CONTROL**
- Shear modulated fluid amplifier Patent
[NASA-CASE-MFS-10412] c 12 N71-17578
- Multiple orifice throttle valve Patent
[NASA-CASE-XNP-09698] c 15 N71-18580
- Fluidic-thermochromic display device Patent
[NASA-CASE-ERC-10031] c 12 N71-18603
- Hydraulic transformer Patent
[NASA-CASE-MFS-20830] c 15 N71-30028
- Hydraulic drain means for servo-systems
[NASA-CASE-NPO-10316-1] c 37 N77-22479
- HYDRAULIC EQUIPMENT**
- Support apparatus for dynamic testing Patent
[NASA-CASE-XMF-01772] c 11 N70-41677
- Hydraulic support for dynamic testing Patent
[NASA-CASE-XMF-03248] c 11 N71-10604
- Hydraulic drive mechanism Patent
[NASA-CASE-XMS-03252] c 15 N71-10658
- Anti-backlash circuit for hydraulic drive system Patent
[NASA-CASE-XNP-01020] c 03 N71-12260
- Hydraulic gmp Patent
[NASA-CASE-XLA-05100] c 15 N71-17698
- Shock absorber Patent
[NASA-CASE-XMS-03722] c 15 N71-21530
- Hydraulic casting of liquid polymers Patent
[NASA-CASE-XNP-07659] c 06 N71-22975
- Energy limiter for hydraulic actuators Patent
[NASA-CASE-ARC-10131-1] c 15 N71-27754
- Mechanically limited, electrically operated hydraulic valve system for aircraft controls Patent
[NASA-CASE-XAC-00048] c 02 N71-29128
- Hydraulic transformer Patent
[NASA-CASE-MFS-20830] c 15 N71-30028
- Mechanically extendible telescoping boom
[NASA-CASE-NPO-11118] c 03 N72-25021
- Geysing inhibitor for vertical cryogenic transfer pipe
[NASA-CASE-KSC-10615] c 15 N73-12488
- Redundant hydraulic control system for actuators
[NASA-CASE-MFS-20944] c 15 N73-13468
- Combined pressure regulator and shutoff valve
[NASA-CASE-NPO-13201-1] c 37 N75-15050
- Ultrasonically bonded valve assembly
[NASA-CASE-NPO-13360-1] c 37 N75-25185

- Filter regeneration systems — a system for regenerating a system filter in a fluid flow line
[NASA-CASE-MSC-14273-1] c 34 N75-33342
- Quick disconnect filter coupling
[NASA-CASE-MFS-22323-1] c 37 N76-14463
- Actuator device for artificial leg
[NASA-CASE-MFS-23225-1] c 52 N77-14735
- Phase-angle controller for Stirling engines
[NASA-CASE-NPO-14388-1] c 37 N81-17432
- Underground mineral extraction
[NASA-CASE-NPO-14140-1] c 43 N81-26509
- Tubing and cable cutting tool
[NASA-CASE-LAR-12786-1] c 37 N82-20545
- Gas-to-hydraulic power converter
[NASA-CASE-MSC-18794-1] c 44 N83-14693
- HYDRAULIC FLUIDS**
- Free-piston regenerative hot gas hydraulic engine
[NASA-CASE-LEW-12274-1] c 37 N80-31790
- HYDRAZINE ENGINES**
- Reciprocating engines
[NASA-CASE-MSC-16239-1] c 37 N81-32510
- HYDRAZINE NITROFORM**
- Hydrazinium nitroformate propellant with saturated polymenic hydrocarbon binder
[NASA-CASE-NPO-12015] c 27 N73-16764
- HYDRAZINES**
- Ignition means for monopropellant Patent
[NASA-CASE-XNP-00876] c 28 N70-41311
- Solder flux which leaves corrosion-resistant coating Patent
[NASA-CASE-XNP-03459-2] c 18 N71-15688
- Prevention of hydrogen embrittlement of high strength steel by hydrazine compositions — by adding potassium hydroxide to hydrazine
[NASA-CASE-NPO-12122-1] c 24 N76-14203
- HYDROCARBON COMBUSTION**
- In-situ laser retorting of oil shale
[NASA-CASE-LEW-12217-1] c 43 N78-14452
- HYDROCARBON FUEL PRODUCTION**
- Molten salt pyrolysis of latex — synthetic hydrocarbon fuel production using the Guayule shrub
[NASA-CASE-NPO-14315-1] c 27 N81-17261
- Fluidized bed liquefaction of biomass
[NASA-CASE-NPO-15907-1] c 25 N83-36121
- HYDROCARBON FUELS**
- Apparatus for making a metal slurry product Patent
[NASA-CASE-XLE-00010] c 15 N70-33382
- Hydrogen rich gas generator
[NASA-CASE-NPO-13342-2] c 44 N76-29700
- Hydrogen rich gas generator
[NASA-CASE-NPO-13464-2] c 44 N76-29704
- HYDROCARBONS**
- Hydrazinium nitroformate propellant with saturated polymenic hydrocarbon binder
[NASA-CASE-NPO-12015] c 27 N73-16764
- Hydrogen rich gas generator
[NASA-CASE-NPO-13342-1] c 37 N76-16446
- Combustion engine — for air pollution control
[NASA-CASE-NPO-13871-1] c 37 N77-31497
- Curable liquid hydrocarbon prepolymers containing hydroxyl groups and process for producing same
[NASA-CASE-NPO-13137-1] c 27 N80-32514
- HYDROCHLORIC ACID**
- Indicator providing continuous indication of the presence of a specific pollutant in air
[NASA-CASE-NPO-13474-1] c 45 N78-21742
- HYDROCRACKING**
- Autocatalytic coal liquefaction process
[NASA-CASE-NPO-14876-2] c 28 N82-25394
- Fluidized bed coal liquefaction
[NASA-CASE-NPO-15891-1] c 25 N83-36120
- HYDROFOILS**
- Hydrofoil Patent
[NASA-CASE-XLA-00229] c 12 N70-33305
- HYDROFORMING**
- Hydroforming techniques using epoxy molds Patent
[NASA-CASE-XLE-05641-1] c 15 N71-26346
- HYDROGEN**
- Method for detecting hydrogen gas
[NASA-CASE-XMF-03873] c 06 N69-39733
- Prevention of pressure build-up in electrochemical cells Patent
[NASA-CASE-XGS-01419] c 03 N70-41864
- Pulse activated polarographic hydrogen detector Patent
[NASA-CASE-XMF-06531] c 14 N71-17575
- Hydrogen leak detection device Patent
[NASA-CASE-MFS-11537] c 14 N71-20442
- Analysis of hydrogen-deuterium mixtures
[NASA-CASE-NPO-11322] c 06 N72-25146
- Hydrogen fire blink detector
[NASA-CASE-MFS-15063] c 14 N72-25412
- Process for separation of dissolved hydrogen from water by use of palladium and process for coating palladium with palladium black
[NASA-CASE-MSC-13335-1] c 06 N72-31140

- Atomic hydrogen maser with bulb temperature control to remove wall shift in maser output frequency
[NASA-CASE-HQN-10654-1] c 16 N73-13489
- Method of producing a storage bulb for an atomic hydrogen maser
[NASA-CASE-NPO-13050-1] c 36 N75-15029
- Atomic standard with variable storage volume
[NASA-CASE-GSC-11895-1] c 35 N76-15436
- Hydrogen rich gas generator
[NASA-CASE-NPO-13342-1] c 37 N76-16446
- Hydrogen-bromine secondary battery
[NASA-CASE-NPO-13237-1] c 44 N76-18641
- Hydrogen-rich gas generator
[NASA-CASE-NPO-13464-1] c 44 N76-18642
- Solar hydrogen generator
[NASA-CASE-LAR-11361-1] c 44 N77-22607
- Solar photolysis of water
[NASA-CASE-NPO-13675-1] c 44 N77-32580
- Method and automated apparatus for detecting coliform organisms
[NASA-CASE-MSC-16777-1] c 51 N80-27067
- Method of cross-linking polyvinyl alcohol and other water soluble resins
[NASA-CASE-LEW-13103-1] c 27 N80-32516
- State-of-charge coulometer
[NASA-CASE-NPO-15759-1] c 35 N82-26630
- HYDROGEN ATOMS**
- Atomic hydrogen storage method and apparatus
[NASA-CASE-LEW-12081-1] c 28 N78-24365
- Atomic hydrogen storage — cryotrapping and magnetic field strength
[NASA-CASE-LEW-12081-2] c 28 N80-20402
- Atomic hydrogen storage method and apparatus
[NASA-CASE-LEW-12081-3] c 28 N81-14103
- HYDROGEN EMBRITTLEMENT**
- Prevention of hydrogen embrittlement of high strength steel by hydrazine compositions — by adding potassium hydroxide to hydrazine
[NASA-CASE-NPO-12122-1] c 24 N76-14203
- HYDROGEN ENGINES**
- Hydrogen-fueled engine
[NASA-CASE-NPO-13763-1] c 44 N78-33526
- HYDROGEN FUELS**
- Hydrogen rich gas generator
[NASA-CASE-NPO-13342-2] c 44 N76-29700
- Hydrogen rich gas generator
[NASA-CASE-NPO-13464-2] c 44 N76-29704
- Hydrogen-rich gas generator
[NASA-CASE-NPO-13560-1] c 44 N77-10636
- Combustion engine system
[NASA-CASE-NPO-14565-2] c 25 N83-19826
- HYDROGEN IONS**
- Hydrogen hollow cathode ion source
[NASA-CASE-LEW-12940-1] c 72 N80-33186
- HYDROGEN OXYGEN FUEL CELLS**
- Electrolytically regenerative hydrogen-oxygen fuel cell Patent
[NASA-CASE-XLE-04526] c 03 N71-11052
- Passively regulated water electrolysis rocket engine Patent
[NASA-CASE-XGS-08729] c 28 N71-14044
- HYDROGEN PEROXIDE**
- Decomposition unit Patent
[NASA-CASE-XMS-00583] c 28 N70-38504
- HYDROGEN PRODUCTION**
- Start up system for hydrogen generator used with an internal combustion engine
[NASA-CASE-NPO-13849-1] c 28 N80-10374
- Thermochemical generation of hydrogen
[NASA-CASE-NPO-15015-1] c 25 N82-28368
- HYDROGENATION**
- Production of high purity silicon carbide Patent
[NASA-CASE-XLA-00158] c 26 N70-36805
- Compact hydrogenator
[NASA-CASE-NPO-11682-1] c 35 N74-15127
- HYDROLOGY**
- Radar target for remotely sensing hydrological phenomena
[NASA-CASE-LAR-12344-1] c 43 N80-18498
- HYDROLYSIS**
- Hydrodesulfurization of chlorinated coal
[NASA-CASE-NPO-15304-1] c 25 N83-31743
- HYDROPYROLYSIS**
- Fluidized bed coal liquefaction
[NASA-CASE-NPO-15891-1] c 25 N83-36120
- HYDROSTATIC PRESSURE**
- Lower body negative pressure apparatus
[NASA-CASE-MSC-20202-1] c 54 N83-18254
- HYDROSTATICS**
- Hydrostatic bearing support
[NASA-CASE-LEW-11158-1] c 37 N77-28486
- Multiple plate hydrostatic viscous damper
[NASA-CASE-LEW-13445-2] c 37 N83-17883

HYDROXIDES

- Method for determining presence of OH in magnesium oxide
[NASA-CASE-NPO-10774] c 06 N72-17095
- Separator for alkaline electric batteries and method of making
[NASA-CASE-GSC-10018-1] c 44 N82-24644
- Synthesis of dawsorites — for use in fire extinguishing operations
[NASA-CASE-ARC-11326-1] c 25 N83-33977

HYDROXYL COMPOUNDS

- Synthesis of polyformals
[NASA-CASE-ARC-11244-1] c 23 N82-16174

HYGIENE

- Urine collection apparatus — feminine hygiene
[NASA-CASE-MSC-18381-1] c 52 N81-28740

HYGROMETERS

- Polymeric electrolytic hygrometer
[NASA-CASE-NPO-13948-1] c 35 N78-25391
- Trace water sensor
[NASA-CASE-NPO-15722-1] c 35 N83-20084

HYGROSCOPICITY

- Method of evaluating moisture barrier properties of encapsulating materials Patent
[NASA-CASE-NPO-10051] c 18 N71-24934

HYPERFINE STRUCTURE

- Process for producing dispersion strengthened nickel with aluminum Patent
[NASA-CASE-XLE-06969] c 17 N71-24142

HYPERGOLIC ROCKET PROPELLANTS

- Apparatus for igniting solid propellants Patent
[NASA-CASE-XLE-00207] c 28 N70-33375
- Small rocket engine Patent
[NASA-CASE-XLE-00685] c 28 N70-41992
- Method of igniting solid propellants Patent
[NASA-CASE-XLE-01988] c 27 N71-15634

HYPERSONIC AIRCRAFT

- Multistage aerospace craft — perspective drawings of conceptual design
[NASA-CASE-XMF-02263] c 05 N74-10907

HYPERSONIC FLIGHT

- Hypersonic airbreathing missile
[NASA-CASE-LAR-12264-1] c 15 N78-32168

HYPERSONIC FLOW

- Hypersonic test facility Patent
[NASA-CASE-XLA-05378] c 11 N71-21475

HYPERSONIC SPEED

- Reentry vehicle leading edge Patent
[NASA-CASE-XLA-00185] c 31 N70-33242
- Landing arrangement for aerospace vehicle Patent
[NASA-CASE-XLA-00805] c 31 N70-38010
- Variable geometry manned orbital vehicle Patent
[NASA-CASE-XLA-03691] c 31 N71-15674
- High speed flight vehicle control Patent
[NASA-CASE-XLA-08967] c 02 N71-27088
- Apparatus and method for generating large mass flow of high temperature air at hypersonic speeds
[NASA-CASE-LAR-10578-1] c 12 N73-25262
- Apparatus and method for generating large mass flow of high temperature air at hypersonic speeds
[NASA-CASE-LAR-10612-1] c 12 N73-28144

HYPERSONIC VEHICLES

- Techniques for insulating cryogenic fuel containers Patent
[NASA-CASE-XLA-01967] c 31 N70-42015

HYPERSONIC WIND TUNNELS

- Sound shield
[NASA-CASE-LAR-12883-1] c 71 N83-17235

HYPERTHERMIA

- Hyperthermia heating apparatus — cancer therapy
[NASA-CASE-NPO-14549-2] c 52 N82-33996

HYPERVELOCITY GUNS

- Dust particle injector for hypervelocity accelerators Patent
[NASA-CASE-XGS-06628] c 24 N71-16213
- Hypervelocity gun Patent
[NASA-CASE-XAC-05902] c 11 N71-18578
- Collapse pistons
[NASA-CASE-MSC-13789-1] c 11 N73-32152
- Hypervelocity gun — using both electric and chemical energy for projectile propulsion
[NASA-CASE-XLE-03186-1] c 09 N79-21084

HYPERVELOCITY IMPACT

- Method of and device for determining the characteristics and flux distribution of micrometeorites — scanning puncture holes in sheet material with photoelectric cell
[NASA-CASE-NPO-12127-1] c 91 N74-13130

HYPERVELOCITY PROJECTILES

- Impact measuring technique
[NASA-CASE-LAR-10913] c 14 N72-16282
- Multiple image storing system for high speed projectile holography
[NASA-CASE-MFS-20596] c 14 N72-17324

HYPERVELOCITY WIND TUNNELS

- Hypersonic test facility Patent
[NASA-CASE-XLA-00378] c 11 N71-15925

- Hypersonic test facility Patent
[NASA-CASE-XLA-05378] c 11 N71-21475
- HYSTERESIS**
- Belleville spring assembly with elastic guides
[NASA-CASE-XNP-09452] c 15 N69-27504

IDENTIFYING

- Lightning discharge identification system
[NASA-CASE-KSC-11099-1] c 47 N82-24779

IGNITERS

- Solid propellant rocket motor
[NASA-CASE-NPO-11559] c 28 N73-24784
- Remote fire stack igniter — with solenoid-controlled valve
[NASA-CASE-MFS-21675-1] c 25 N74-33378
- Molded composite pyrogen igniter for rocket motors — solid propellant ignition
[NASA-CASE-LAR-12018-1] c 20 N78-24275
- Plasma igniter for internal combustion engine
[NASA-CASE-NPO-13828-1] c 37 N79-11405

IGNITION

- Magnetically controlled plasma accelerator Patent
[NASA-CASE-XLA-00327] c 25 N71-29184

IGNITION LIMITS

- High voltage pulse generator Patent
[NASA-CASE-MSC-12178-1] c 09 N71-13518

IGNITION SYSTEMS

- Apparatus for igniting solid propellants Patent
[NASA-CASE-XLE-00207] c 28 N70-33375
- Ignition system for monopropellant combustion devices Patent
[NASA-CASE-XNP-00249] c 28 N70-38249
- Rocket motor system Patent
[NASA-CASE-XLE-00323] c 28 N70-38505
- Ignition means for monopropellant Patent
[NASA-CASE-XNP-00876] c 28 N70-41311
- Sustained arc ignition system
[NASA-CASE-LEW-12444-1] c 33 N77-28385

IGNITION TEMPERATURE

- Autoignition test cell Patent
[NASA-CASE-KSC-10198] c 11 N71-28629

ILLUMINATORS

- Image magnification adapter for cameras Patent
[NASA-CASE-XMF-03844-1] c 14 N71-26474
- Illumination system including a virtual light source Patent
[NASA-CASE-HQN-10781] c 23 N71-30292
- Focal plane array optical proximity sensor
[NASA-CASE-NPO-15155-1] c 74 N81-22894

IMAGE CONTRAST

- Video signal enhancement system with dynamic range compression and modulation index expansion Patent
[NASA-CASE-NPO-10343] c 07 N71-27341
- Method and apparatus for producing an image from a transparent object
[NASA-CASE-GSC-11889-1] c 74 N77-28932

IMAGE CONVERTERS

- Deep trap, laser activated image converting system
[NASA-CASE-NPO-13131-1] c 36 N75-19652
- Resistive anode image converter
[NASA-CASE-HQN-10876-1] c 33 N76-27473
- Wedge immersed thermistor bolometers
[NASA-CASE-XGS-01245-1] c 35 N79-33449
- Photocapacitive image converter
[NASA-CASE-LAR-12513-1] c 44 N82-32841

IMAGE CORRELATORS

- Multiple hologram recording and readout system Patent
[NASA-CASE-ERC-10151] c 16 N71-29131
- Automatic focus control for facsimile cameras
[NASA-CASE-LAR-11213-1] c 35 N75-15014
- Azimuth correlator for real-time synthetic aperture radar image processing
[NASA-CASE-NPO-14019-1] c 32 N79-14268
- An electro-optical Doppler tracker means and method for optical correlation of synthetic aperture radar data
[NASA-CASE-NPO-14998-1] c 33 N81-15194
- Servo-mechanism for Doppler shift compensation in optical correlator for synthetic aperture radar
[NASA-CASE-NPO-14998-1] c 32 N83-18975
- Optical stereo video signal processor — line of sight tracking
[NASA-CASE-MFS-25752-1] c 74 N83-21950

IMAGE DISSECTOR TUBES

- Apparatus for calibrating an image dissector tube
[NASA-CASE-MFS-22208-1] c 33 N75-26244
- Electronic optical transfer function analyzer
[NASA-CASE-MFS-21872-1] c 74 N78-19935

IMAGE ENHANCEMENT

- Method and means for an improved electron beam scanning system Patent
[NASA-CASE-ERC-10552] c 09 N71-12539

- Physical correction filter for improving the optical quality of an image
[NASA-CASE-HQN-10542-1] c 74 N75-25706
- Method of obtaining intensified image from developed photographic films and plates
[NASA-CASE-MFS-23461-1] c 35 N79-10389

IMAGE FILTERS

- Motion picture camera for optical pyrometry Patent
[NASA-CASE-XLA-00062] c 14 N70-33254
- Compact spectroradiometer
[NASA-CASE-HQN-10683] c 14 N71-34389
- Physical correction filter for improving the optical quality of an image
[NASA-CASE-HQN-10542-1] c 74 N75-25706

IMAGE INTENSIFIERS

- Magnifying image intensifier
[NASA-CASE-GSC-12010-1] c 74 N78-18905
- Method of obtaining intensified image from developed photographic films and plates
[NASA-CASE-MFS-23461-1] c 35 N79-10389

IMAGE PROCESSING

- Azimuth correlator for real-time synthetic aperture radar image processing
[NASA-CASE-NPO-14019-1] c 32 N79-14268
- Interleaving device
[NASA-CASE-GSC-12111-2] c 33 N81-29342
- Clutter free synthetic aperture radar correlator
[NASA-CASE-NPO-14035-1] c 32 N83-18968
- The 3-dimensional and tomographic imaging device for X-ray and gamma-ray emitting objects
[NASA-CASE-GSC-12851-1] c 35 N83-20083

IMAGE RESOLUTION

- Constant magnification optical tracking system
[NASA-CASE-NPO-14813-1] c 74 N82-24072

IMAGE ROTATION

- Rhomboid prism pair for rotating the plane of parallel light beams
[NASA-CASE-ARC-11311-1] c 74 N83-13978

IMAGE TUBES

- Image tube — deriving electron beam replica of image
[NASA-CASE-GSC-11602-1] c 33 N74-21850
- System for producing chroma signals
[NASA-CASE-MSC-14683-1] c 74 N77-18893

IMAGES

- Image magnification adapter for cameras Patent
[NASA-CASE-XMF-03844-1] c 14 N71-26474
- Stereoscopic television system and apparatus
[NASA-CASE-ARC-10160-1] c 23 N72-27728

IMAGING TECHNIQUES

- Optical mirror apparatus Patent
[NASA-CASE-ERC-10001] c 23 N71-24868
- Method and apparatus for eliminating coherent noise in a coherent energy imaging system without destroying spatial coherence
[NASA-CASE-GSC-11133-1] c 23 N72-11568
- Phototransistor imaging system
[NASA-CASE-MFS-20809] c 23 N73-13660
- Multispectral imaging system
[NASA-CASE-MSC-12404-1] c 23 N73-13661
- Multiple pass reimaging optical system
[NASA-CASE-ARC-10194-1] c 23 N73-20741
- Ritchey-Chretien Telescope
[NASA-CASE-GSC-11487-1] c 14 N73-30393
- Data storage, image tube type
[NASA-CASE-MSC-14053-1] c 60 N74-12888
- Optical instruments
[NASA-CASE-MSC-14096-1] c 74 N74-15095
- Electron microscope aperture system
[NASA-CASE-ARC-10448-3] c 35 N77-14408
- Method and apparatus for producing an image from a transparent object
[NASA-CASE-GSC-11989-1] c 74 N77-28932
- Full color hybrid display for aircraft simulators — landing aids
[NASA-CASE-ARC-10903-1] c 09 N78-18083
- Chromatically corrected virtual image display — lens design for flight simulators
[NASA-CASE-LAR-12251-1] c 74 N79-14892
- Multispectral imaging and analysis system — using charge coupled devices and linear arrays
[NASA-CASE-NPO-13691-1] c 43 N79-17288
- System and method for obtaining wide screen Schlieren photographs
[NASA-CASE-NPO-14174-1] c 74 N79-20856
- Low intensity X-ray and gamma-ray imaging device — fiber optics
[NASA-CASE-GSC-12263-1] c 74 N79-20857
- Diffraction grating configuration for X-ray and ultraviolet focusing
[NASA-CASE-GSC-12357-1] c 74 N80-21140
- Multispectral scanner optical system
[NASA-CASE-MSC-18255-1] c 74 N80-33210
- System for forming a quadrified image comprising angularly related fields of view of a three dimensional object
[NASA-CASE-NPO-14219-1] c 74 N81-17886

Time delay and integration detectors using charge transfer devices
 [NASA-CASE-GSC-12324-1] c 33 N81-33403
 Real-time 3D X-ray and gamma-ray viewer
 [NASA-CASE-GSC-12640-1] c 74 N82-10862
 Image readout device with electronically variable spatial resolution
 [NASA-CASE-LAR-12633-1] c 33 N82-24416
 Method and apparatus for Delta K synthetic aperture radar measurement of ocean current
 [NASA-CASE-NPO-15704-1] c 32 N82-28502
 Low intensity X-ray and gamma-ray spectrometer
 [NASA-CASE-GSC-12587-1] c 35 N82-32659
 Optical system
 [NASA-CASE-NPO-15801-1] c 74 N83-25541
 X-ray imaging mirror system and method of producing the same
 [NASA-CASE-NPO-15828-1] c 74 N83-30222
 Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths
 [NASA-CASE-NPO-14525-2] c 32 N83-31918
 High speed multi focal plane optical system
 [NASA-CASE-GSC-12683-1] c 74 N83-36898

IMIDES

Imidazopyrrolone/imide copolymers Patent
 [NASA-CASE-XLA-08802] c 06 N71-11238
 Molding process for imidazopyrrolone polymers
 [NASA-CASE-LAR-10547-1] c 31 N74-13177
 Elastomer-modified phosphorus-containing imide resins
 [NASA-CASE-ARC-11400-1] c 27 N83-14276
 Polyphenylene ethers with imide linking groups
 [NASA-CASE-LAR-12980-1] c 27 N83-21143
 Phosphorus-containing imide resins
 [NASA-CASE-ARC-11368-1] c 27 N83-31854

IMINES

Synthesis of polymeric schiff bases by schiff-base exchange reactions Patent
 [NASA-CASE-XMF-08651] c 06 N71-11236
 Direct synthesis of polymeric schiff bases from two amines and two aldehydes Patent
 [NASA-CASE-XMF-08655] c 06 N71-11239
 Synthesis of polymeric schiff bases by reaction of acetals and amine compounds Patent
 [NASA-CASE-XMF-08652] c 06 N71-11243
 Aromatic diamine-aromatic dialdehyde high molecular weight Schiff base polymers prepared in a monofunctional Schiff base Patent
 [NASA-CASE-XMF-03074] c 06 N71-24740

IMMOBILIZATION

Stretcher Patent
 [NASA-CASE-XMF-06589] c 05 N71-23159
 Absolute focus lock for microscopes
 [NASA-CASE-LAR-10184] c 14 N72-22445
 Spine immobilization apparatus
 [NASA-CASE-ARC-11167-1] c 52 N81-25662

IMPACT

Impact energy absorbing system utilizing fractureable material
 [NASA-CASE-NPO-10671] c 15 N72-20443
 Cosmic dust or other similar outer space particles impact location detector
 [NASA-CASE-GSC-11291-1] c 25 N72-33696
 Impact position detector for outer space particles
 [NASA-CASE-GSC-11829-1] c 35 N75-27331
 Insulation bonding test system
 [NASA-CASE-MFS-25862-1] c 27 N83-19903

IMPACT ACCELERATION

Suspended mass impact damper Patent
 [NASA-CASE-LAR-10193-1] c 15 N71-27146

IMPACT DAMAGE

Micrometeoroid penetration measuring device Patent
 [NASA-CASE-XLA-00941] c 14 N71-23240

IMPACT LOADS

Force transducer Patent
 [NASA-CASE-XAC-01101] c 14 N70-41957
 Impact testing machine Patent
 [NASA-CASE-XNP-04817] c 14 N71-23225

IMPACT RESISTANCE

Electric storage battery
 [NASA-CASE-NPO-11021] c 03 N72-20032
 Hybrid composite laminate structures
 [NASA-CASE-LEW-12118-1] c 24 N77-27188

IMPACT STRENGTH

High impact pressure regulator Patent
 [NASA-CASE-NPO-10175] c 14 N71-18625

IMPACT TESTING MACHINES

Lunar penetrometer Patent
 [NASA-CASE-XLA-00934] c 14 N71-22765
 Impact testing machine Patent
 [NASA-CASE-XNP-04817] c 14 N71-23225

IMPACT TOLERANCES

High impact antenna Patent
 [NASA-CASE-NPO-10231] c 07 N71-26101
 Vehicular impact absorption system
 [NASA-CASE-NPO-14014-1] c 37 N79-10420

IMPEDANCE

Reactanceless bandpass amplifier
 [NASA-CASE-GSC-12788-1] c 33 N83-12333

IMPEDANCE MATCHING

Signal multiplexer
 [NASA-CASE-XGS-01110] c 07 N69-24334
 Reflectometer for receiver input impedance match measurement Patent
 [NASA-CASE-XNP-10843] c 07 N71-11267
 Radio frequency coaxial high pass filter Patent
 [NASA-CASE-XGS-01418] c 09 N71-23573
 Traxial antenna Patent
 [NASA-CASE-XGS-02290] c 07 N71-28809

IMPEDANCE MEASUREMENT

High impedance measuring apparatus Patent
 [NASA-CASE-XMS-08589-1] c 09 N71-20569
 Apparatus for measuring semiconductor device resistance
 [NASA-CASE-NPO-14424-1] c 33 N80-32650
 Acoustic ground impedance meter
 [NASA-CASE-LAR-12995-1] c 71 N83-15044

IMPLANTATION

Telemeter adaptable for implanting in an animal Patent
 [NASA-CASE-XAC-05706] c 05 N71-12342
 Magnetic electrical connectors for biomedical percutaneous implants
 [NASA-CASE-KSC-11030-1] c 52 N77-25772
 Prosthetic occlusive device for an internal passageway
 [NASA-CASE-MFS-25640-1] c 52 N82-26962

IMPLANTED ELECTRODES (BIOLOGY)

Pocket ECG electrode
 [NASA-CASE-ARC-11258-1] c 52 N80-33081
 Subcutaneous electrode structure
 [NASA-CASE-ARC-11117-1] c 52 N81-14612
 Implantable electrical device
 [NASA-CASE-GSC-12560-1] c 52 N82-29863

IMPLOSIONS

Hypervelocity gun Patent
 [NASA-CASE-XAC-05902] c 11 N71-18578

IMPREGNATING

Composite lamination method
 [NASA-CASE-LAR-12019-1] c 24 N78-17150
 Insoluble polyelectrolyte and ion-exchange hollow fiber impregnated therewith
 [NASA-CASE-NPO-13530-1] c 25 N81-17187
 High temperature silicon carbide impregnated insulating fabrics
 [NASA-CASE-MSC-18832-1] c 27 N83-18908

IMPULSE GENERATORS

Percutaneous connector device
 [NASA-CASE-KSC-10849-1] c 52 N77-14738

IMPURITIES

Method of making impurity-type semiconductor electrical contacts Patent
 [NASA-CASE-XMF-01016] c 26 N71-17818
 Method of mitigating titanium impurities effects in p-type silicon material for solar cells
 [NASA-CASE-NPO-14635-1] c 44 N80-24741
 Electromigration process for the purification of molten silicon during crystal growth
 [NASA-CASE-NPO-14831-1] c 76 N82-30105

IN-FLIGHT MONITORING

System for use in conducting wake investigation for a wing in flight — differential pressure measurements for drag investigations
 [NASA-CASE-FRC-11024-1] c 02 N80-28300

INCIDENCE

Method of and means for testing a glancing-incidence mirror system of an X-ray telescope
 [NASA-CASE-MFS-22409-2] c 74 N78-15880

INCIDENT RADIATION

Solar cell assembly — for use under high intensity illumination
 [NASA-CASE-LEW-11549-1] c 44 N77-19571
 Correlation spectrometer having high resolution and multiplexing capability
 [NASA-CASE-NPO-15558-1] c 35 N82-26636
 X-ray imaging mirror system and method of producing the same
 [NASA-CASE-NPO-15828-1] c 74 N83-30222

INCLINATION

Hingeless helicopter rotor with improved stability
 [NASA-CASE-ARC-10807-1] c 05 N77-17029

INCOHERENT SCATTERING

Rapidly pulsed, high intensity, incoherent light source
 [NASA-CASE-XLE-2529-3] c 33 N74-20859

INDICATING INSTRUMENTS

Missile stage separation indicator and stage initiator Patent
 [NASA-CASE-XLA-00791] c 03 N70-39930
 Inductive liquid level detection system Patent
 [NASA-CASE-XLE-01609] c 14 N71-10500

Apparatus for the determination of the existence or non-existence of a bonding between two members Patent

[NASA-CASE-MFS-13686] c 15 N71-18132
 Hydrogen fire detection system with logic circuit to analyze the spectrum of temporal variations of the optical spectrum
 [NASA-CASE-MFS-13130] c 10 N72-17173
 Fatigue failure load indicator
 [NASA-CASE-LAR-12027-1] c 39 N79-22537
 System for providing an integrated display of instantaneous information relative to aircraft attitude, heading, altitude, and horizontal situation
 [NASA-CASE-FRC-11005-1] c 06 N82-16075
 Film advance indicator
 [NASA-CASE-LAR-12474-1] c 35 N82-26628

INDIUM ALLOYS

Method for attaching a fused-quartz mirror to a conductive metal substrate
 [NASA-CASE-MFS-23405-1] c 26 N77-29260
 Solar cell collector
 [NASA-CASE-LEW-12552-1] c 44 N78-25527

INDUCTANCE

Current dependent filter inductance
 [NASA-CASE-ERC-10139] c 09 N72-17154
 Inductance device with vacuum insulation
 [NASA-CASE-LEW-10330-1] c 09 N72-27226
 Direct reading inductance meter
 [NASA-CASE-NPO-13792-1] c 35 N77-32455

INDUCTION HEATING

Induction furnace with perforated tungsten foil shielding Patent
 [NASA-CASE-XLE-04026] c 14 N71-23267
 Apparatus for use in the production of ribbon-shaped crystals from a silicon melt
 [NASA-CASE-NPO-14297-1] c 33 N81-19389
 Induction heating gun
 [NASA-CASE-LAR-12540-2] c 27 N82-24345
 One-step dual purpose joining technique
 [NASA-CASE-LAR-12595-1] c 33 N82-26571
 Induction heating gun
 [NASA-CASE-LAR-13181-1] c 33 N83-29591

INDUCTION MOTORS

Induction motor control system with voltage controlled oscillator circuit
 [NASA-CASE-MFS-21465-1] c 10 N73-32145
 Variable frequency inverter for ac induction motors with torque, speed and braking control
 [NASA-CASE-MFS-22088-1] c 33 N75-15874
 Power factor control system for AC induction motors
 [NASA-CASE-MFS-23280-1] c 33 N78-10376
 Three phase power factor controller
 [NASA-CASE-MFS-25535-1] c 33 N81-12330
 Power factor control system for ac induction motors
 [NASA-CASE-MFS-23988-1] c 33 N81-27395
 Motor power factor controller with a reduced voltage starter
 [NASA-CASE-MFS-25586-1] c 33 N82-11360
 Control system for an induction motor with energy recovery
 [NASA-CASE-MFS-25477-1] c 33 N82-22437
 Magnetic field control — electromechanical torquing device
 [NASA-CASE-MFS-23828-1] c 33 N82-26569
 Solar powered actuator with continuously variable auxiliary power control
 [NASA-CASE-MFS-25637-1] c 44 N82-26780
 Three phase power factor controller with induced EMF sensing
 [NASA-CASE-MFS-25852-1] c 33 N83-17803
 Coupling an induction motor type generator to a-c power lines
 [NASA-CASE-MFS-25302-2] c 33 N83-24768
 Electrical power generating system
 [NASA-CASE-MFS-25302-1] c 33 N83-28319
 Three phase power factor controller
 [NASA-CASE-MFS-25535-2] c 33 N83-29593
 Tnac failure detector
 [NASA-CASE-MFS-25607-1] c 33 N83-34190

INDUCTORS

Inductive liquid level detection system Patent
 [NASA-CASE-XLE-01609] c 14 N71-10500
 Vacuum deposition apparatus Patent
 [NASA-CASE-XMF-01667] c 15 N71-17647
 Constant frequency output two stage induction machine systems Patent
 [NASA-CASE-ERC-10065] c 09 N71-27364
 Elimination of current spikes in buck power converters
 [NASA-CASE-NPO-14505-1] c 33 N81-19393

INDUSTRIAL PLANTS

Process for making diamonds
 [NASA-CASE-MFS-20698-2] c 15 N73-19457

INDUSTRIAL WASTES

Process of forming catalytic surfaces for wet oxidation reactions
 [NASA-CASE-MSC-14831-1] c 25 N78-10225

- Process for purification of waste water produced by a Kraft process pulp and paper mill
[NASA-CASE-NPO-13847-2] c 85 N79-17747
- INERT ATMOSPHERE**
Method for retarding dye fading during archival storage of developed color photographic film --- inert atmosphere
[NASA-CASE-MFS-23250-1] c 35 N82-11432
- INERTIA**
Bidirectional step torque filter with zero backlash characteristic Patent
[NASA-CASE-XGS-04227] c 15 N71-21744
Polyvinyl alcohol battery separator containing inert filler
[NASA-CASE-LEW-13556-2] c 44 N83-29805
- INERTIAL CONFINEMENT FUSION**
Contactless pellet fabrication --- targets for inertial confinement fusion
[NASA-CASE-NPO-15592-1] c 31 N83-17746
Method and apparatus for producing gas-filled hollow spheres --- target pellets for inertial confinement fusion
[NASA-CASE-NPO-14596-3] c 31 N83-31896
- INERTIAL GUIDANCE**
Hermetic sealed vibration damper Patent
[NASA-CASE-MSC-10959] c 15 N71-26243
- INERTIAL NAVIGATION**
Autonomous navigation system --- gyroscopic pendulum for air navigation
[NASA-CASE-ARC-11257-1] c 04 N81-21047
- INERTIAL PLATFORMS**
Clamping assembly for inertial components Patent
[NASA-CASE-XMS-02184] c 15 N71-20813
Azimuth laying system Patent
[NASA-CASE-XMF-01669] c 21 N71-23289
Temperature compensated digital inertial sensor --- circuit for maintaining inertial element of gyroscope or accelerometer at constant position
[NASA-CASE-NPO-13044-1] c 35 N74-15094
Attitude control system
[NASA-CASE-MFS-22787-1] c 15 N77-10113
Rim inertial measuring system
[NASA-CASE-LAR-12052-1] c 18 N81-29152
- INERTIAL REFERENCE SYSTEMS**
Attitude control system Patent
[NASA-CASE-XGS-04393] c 21 N71-14159
Inertial reference apparatus Patent
[NASA-CASE-XAC-03107] c 23 N71-16098
- INFLATABLE SPACECRAFT**
Thermal control of space vehicles Patent
[NASA-CASE-XLA-01291] c 33 N70-36617
Passive communication satellite Patent
[NASA-CASE-XLA-00210] c 30 N70-40309
Rotating mandrel for assembly of inflatable devices Patent
[NASA-CASE-XLA-04143] c 15 N71-17687
Method of making an inflatable panel Patent
[NASA-CASE-XLA-03497] c 15 N71-23052
Orbital escape device Patent
[NASA-CASE-XMS-06162] c 31 N71-28851
- INFLATABLE STRUCTURES**
Aeroflexible structures
[NASA-CASE-XLA-06095] c 01 N69-39981
Life raft Patent
[NASA-CASE-XMS-00863] c 05 N70-34857
Life preserver Patent
[NASA-CASE-XMS-00864] c 05 N70-36493
Inflatable honeycomb Patent
[NASA-CASE-XLA-00204] c 32 N70-36536
Inflatable radar reflector unit Patent
[NASA-CASE-XMS-00893] c 07 N70-40063
Excessive temperature warning system Patent
[NASA-CASE-XLA-01926] c 14 N71-15620
Inflation system for balloon type satellites Patent
[NASA-CASE-XGS-03351] c 31 N71-16081
Aerodynamic protection for space flight vehicles Patent
[NASA-CASE-XNP-02507] c 31 N71-17679
Self supporting space vehicle Patent
[NASA-CASE-XLA-00117] c 31 N71-17680
Conforming polisher for aspheric surface of revolution Patent
[NASA-CASE-XGS-02884] c 15 N71-22705
Method of making inflatable honeycomb Patent
[NASA-CASE-XLA-03492] c 15 N71-22713
Collapsible antenna boom and transmission line Patent
[NASA-CASE-MFS-20068] c 07 N71-27191
Inflatable tether Patent
[NASA-CASE-XMS-10993] c 15 N71-28936
Inflatable transpiration cooled nozzle
[NASA-CASE-MFS-20619] c 28 N72-11708
Modification of one man life raft
[NASA-CASE-LAR-10241-1] c 54 N74-14845
Emergency space-suit helmet
[NASA-CASE-MSC-10954-1] c 54 N78-18761
- Pressure control valve --- inflating flexible bladders
[NASA-CASE-ARC-11251-1] c 37 N81-17433
Pneumatic inflatable end effector
[NASA-CASE-MFS-23696-1] c 54 N81-26718
Inflatable device for installing strain gage bridges
[NASA-CASE-FRC-11068-1] c 35 N82-24473
Procedure for internally mounting strain gauges
[NASA-CASE-GSC-12824-1] c 35 N83-13424
- INFORMATION RETRIEVAL**
Multiple hologram recording and readout system Patent
[NASA-CASE-ERC-10151] c 16 N71-29131
- INFRARED DETECTORS**
Temperature sensitive capacitor device
[NASA-CASE-XNP-09750] c 14 N69-39937
Sight switch using an infrared source and sensor Patent
[NASA-CASE-XMF-03934] c 09 N71-22985
Infrared detectors
[NASA-CASE-LAR-10728-1] c 14 N73-12445
Doped Josephson tunneling junction for use in a sensitive IR detector
[NASA-CASE-NPO-13348-1] c 33 N75-31332
Multispectral scanner optical system
[NASA-CASE-MSC-18255-1] c 74 N80-33210
Integrated photo-responsive metal oxide semiconductor circuit
[NASA-CASE-GSC-12782-1] c 33 N83-13360
Broadband optical radiation detector
[US-PATENT-4,262,198] c 74 N83-19597
- INFRARED INSTRUMENTS**
Infrared scanner Patent
[NASA-CASE-XLA-00120] c 21 N70-33181
- INFRARED INTERFEROMETERS**
Over-under double-pass interferometer
[NASA-CASE-NPO-13999-1] c 35 N78-18395
- INFRARED LASERS**
Monitoring atmospheric pollutants with a heterodyne radiometer transmitter-receiver
[NASA-CASE-NPO-11919-1] c 35 N74-11284
Gregorian all-reflective optical system
[NASA-CASE-GSC-12058-1] c 74 N77-26942
Thermal compensator for closed-cycle helium refrigerator --- assuring constant temperature for an infrared laser diode
[NASA-CASE-GSC-12168-1] c 31 N79-17029
- INFRARED RADIATION**
High-speed infrared furnace
[NASA-CASE-XLE-10466] c 17 N69-25147
High field CdS detector for infrared radiation
[NASA-CASE-LAR-11027-1] c 35 N74-18088
- INFRARED REFLECTION**
Electromagnetic radiation energy arrangement --- coatings for solar energy absorption and infrared reflection
[NASA-CASE-WOO-00428-1] c 32 N79-19186
- INFRARED SCANNERS**
Infrared scanner Patent
[NASA-CASE-XLA-00120] c 21 N70-33181
Infrared horizon locator
[NASA-CASE-LAR-10726-1] c 14 N73-20475
- INFRARED SPECTRA**
Diatom infrared gasdynamic laser --- for producing different wavelengths
[NASA-CASE-ARC-10370-1] c 36 N75-31426
- INFRARED SPECTROMETERS**
Telespectrograph Patent
[NASA-CASE-XLA-03273] c 14 N71-18699
Cooled echelle grating spectrometer --- for space telescope applications
[NASA-CASE-NPO-14372-1] c 35 N80-26635
- INFRARED SPECTROSCOPY**
Apparatus for providing a servo drive signal in a high-speed stepping interferometer
[NASA-CASE-NPO-13569-2] c 35 N79-14348
- INFRASONIC FREQUENCIES**
Resonant infrasonic gauging apparatus
[NASA-CASE-MSC-11847-1] c 14 N72-11363
- INGOTS**
Improved ingot slicing machine
[NASA-CASE-NPO-15483-1] c 37 N82-28642
- INHIBITORS**
Inhibited solid propellant composition containing beryllium hydride
[NASA-CASE-NPO-10866-1] c 28 N79-14228
- INITIATORS (EXPLOSIVES)**
Missile stage separation indicator and stage initiator Patent
[NASA-CASE-XLA-00791] c 03 N70-39930
Safe-arm initiator Patent
[NASA-CASE-LAR-10372] c 09 N71-18599
Electroexplosive device
[NASA-CASE-NPO-13858-1] c 28 N79-11231
- INJECTION**
Thickness measuring and injection device Patent
[NASA-CASE-MFS-20261] c 14 N71-27005
- High performance channel injection sealant invention abstract
[NASA-CASE-ARC-14408-1] c 27 N82-33523
- INJECTORS**
Rocket propellant injector Patent
[NASA-CASE-XLE-00103] c 28 N70-33241
Rocket engine injector Patent
[NASA-CASE-XLE-00111] c 28 N70-38199
Injector for bipropellant rocket engines Patent
[NASA-CASE-XMF-00148] c 28 N70-38710
Dust particle injector for hypervelocity accelerators Patent
[NASA-CASE-XGS-06628] c 24 N71-16213
Control valve and co-axial variable injector Patent
[NASA-CASE-XNP-09702] c 15 N71-17654
Rocket engine injector Patent
[NASA-CASE-XLE-03157] c 28 N71-24736
Bipropellant injector
[NASA-CASE-XNP-09461] c 28 N72-23809
Coaxial injector for reaction motors
[NASA-CASE-NPO-11095] c 15 N72-25455
Injector for use in high voltage isolators for liquid feed lines
[NASA-CASE-NPO-11377] c 15 N73-27406
Rocket injector head
[NASA-CASE-XMF-04592-1] c 20 N79-21125
- INKS**
Multicolor printing plate joining
[NASA-CASE-LEW-13598-1] c 31 N83-17745
- INLET FLOW**
High pressure four-way valve Patent
[NASA-CASE-XNP-00214] c 15 N70-36908
Gas turbine combustor Patent
[NASA-CASE-LEW-10286-1] c 28 N71-28915
Airflow control system for supersonic inlets
[NASA-CASE-LEW-11188-1] c 02 N74-20646
Variably positioned guide vanes for aerodynamic choking
[NASA-CASE-LAR-10642-1] c 07 N74-31270
Shock position sensor for supersonic inlets --- measuring pressure in the throat of a supersonic inlet
[NASA-CASE-LEW-11915-1] c 35 N76-14431
Method for fabricating a mass spectrometer inlet leak
[NASA-CASE-GSC-12077-1] c 35 N77-24455
Gas turbine engine with recirculating bleed
[NASA-CASE-LEW-12452-1] c 07 N78-25089
Self stabilizing sonic inlet
[NASA-CASE-LEW-11890-1] c 05 N79-24976
- INLET NOZZLES**
Rocket injector head
[NASA-CASE-XMF-04592-1] c 20 N79-21125
- INLET PRESSURE**
Fluid jet amplifier
[NASA-CASE-XLE-03512] c 12 N69-21466
Shock position sensor for supersonic inlets --- measuring pressure in the throat of a supersonic inlet
[NASA-CASE-LEW-11915-1] c 35 N76-14431
- INOCULATION**
Automatic inoculating apparatus --- includes movable carriage, drive motor, and swabbing motor
[NASA-CASE-LAR-11074-1] c 51 N75-13502
- INORGANIC COATINGS**
Diffuse reflective coating
[NASA-CASE-GSC-11214-1] c 06 N73-13128
Boron trifluoride coatings for thermoplastic materials and method of applying same in glow discharge
[NASA-CASE-ARC-11057-1] c 27 N78-31233
- INORGANIC COMPOUNDS**
Method of making membranes
[NASA-CASE-XNP-04264] c 03 N69-21337
Inorganic solid film lubricants Patent
[NASA-CASE-XMF-03988] c 15 N71-21403
Modified polyurethane foams for fuel-fire Patent
[NASA-CASE-ARC-10098-1] c 06 N71-24739
Inorganic thermal control coatings
[NASA-CASE-MFS-20011] c 18 N72-22566
Inorganic-organic separators for alkaline batteries
[NASA-CASE-LEW-12649-1] c 44 N78-25530
Method for the preparation of inorganic single crystal and polycrystalline electronic materials
[NASA-CASE-XLE-02545-1] c 76 N79-21910
- INORGANIC PEROXIDES**
Process for preparing higher oxides of the alkali and alkaline earth metals
[NASA-CASE-ARC-10992-1] c 26 N78-32229
Process for the preparation of calcium superoxide
[NASA-CASE-ARC-11053-1] c 25 N79-10162
- INPUT**
Remodulator filter Patent
[NASA-CASE-NPO-10198] c 09 N71-24806
Active RC networks
[NASA-CASE-ARC-10020] c 10 N72-17172
High-speed multiplexing of keyboard data inputs
[NASA-CASE-NPO-14554-1] c 60 N81-27814

INPUT/OUTPUT ROUTINES

Analog to digital converter
[NASA-CASE-NPO-13385-1] c 33 N76-18345

INSERTION

Apparatus and method of inserting a microelectrode in body tissue or the like using vibration means
[NASA-CASE-NPO-13910-1] c 52 N79-27838

INSERTION LOSS

Insertion loss measuring apparatus having transformer means connected across a pair of bolometers Patent
[NASA-CASE-XNP-01193] c 10 N71-16057

INSPECTION

Automatic visual inspection system for microelectronics
[NASA-CASE-NPO-13282] c 38 N78-17398
Method for refurbishing and processing parachutes
[NASA-CASE-KSC-11042-1] c 09 N82-29330
Apparatus and method for inspecting a bearing ball — eddy current inspection technique
[NASA-CASE-MFS-25833-1] c 35 N83-21318

INSTALLING

Device for installing rocket engines
[NASA-CASE-MFS-19220-1] c 20 N76-22296
Thermocouple installation
[NASA-CASE-NPO-13540-1] c 35 N77-14409
Inflatable device for installing strain gage bridges
[NASA-CASE-FRC-11068-1] c 35 N82-24473
A method and technique for installing light-weight fragile, high-temperature fibre insulation
[NASA-CASE-MSC-18934-3] c 24 N82-26387

INSTRUMENT ERRORS

Radiation direction detector including means for compensating for photocell aging Patent
[NASA-CASE-XLA-00183] c 14 N70-40239

INSTRUMENT FLIGHT RULES

Controlled visibility device for an aircraft Patent
[NASA-CASE-XFR-04147] c 11 N71-10748
Inflight IFR procedures simulator
[NASA-CASE-KSC-11218-1] c 09 N82-29331

INSTRUMENT ORIENTATION

Plurality of photosensitive cells on a pyramidal base for planetary trackers
[NASA-CASE-XNP-04180] c 07 N69-39736
Azimuth laying system Patent
[NASA-CASE-XMF-01669] c 21 N71-23289
Optical machine tool alignment indicator Patent
[NASA-CASE-XAC-09489-1] c 15 N71-26673
Solar energy powered heliostats
[NASA-CASE-GSC-10945-1] c 21 N72-31637

INSTRUMENT PACKAGES

Apparatus for ejection of an instrument cover
[NASA-CASE-XMF-04132] c 15 N69-27502
Method and apparatus for shock protection Patent
[NASA-CASE-XLA-00482] c 15 N70-36409
Foam generator Patent
[NASA-CASE-XLA-00838] c 03 N70-36778
Velocity package Patent
[NASA-CASE-XLA-01339] c 31 N71-15692
Processing for producing a sterilized instrument Patent
[NASA-CASE-XNP-09763] c 14 N71-20461
Thermal control canister
[NASA-CASE-GSC-12253-1] c 34 N79-31523

INSTRUMENTS

Radio frequency shielded enclosure Patent
[NASA-CASE-XMF-09422] c 07 N71-19436
Linear differential pressure sensor Patent
[NASA-CASE-XMF-01974] c 14 N71-22752
Precision thrust gage Patent
[NASA-CASE-XGS-02319] c 14 N71-22965
Self-calibrating displacement transducer Patent
[NASA-CASE-XLA-00781] c 09 N71-22999
Sensing probe
[NASA-CASE-LEW-10281-1] c 14 N72-17327
Scientific experiment flexible mount
[NASA-CASE-MSC-12372-1] c 31 N72-25842
Magnetic suspension and pointing system
[NASA-CASE-LAR-11889-2] c 37 N78-27424
Rotary leveling base platform
[NASA-CASE-ARC-10981-1] c 37 N78-27425

INSULATED STRUCTURES

Piping arrangement through a double chamber structure
[NASA-CASE-XNP-08882] c 15 N69-39935

INSULATION

Electrode construction Patent
[NASA-CASE-ARC-10043-1] c 05 N71-11193
Foamed in place ceramic refractory insulating material Patent
[NASA-CASE-XGS-02435] c 18 N71-22998
Method of removing insulated material from insulated wires
[NASA-CASE-FRC-10038] c 15 N72-20444
Inductance device with vacuum insulation
[NASA-CASE-LEW-10330-1] c 09 N72-27226

Insulated electrocardiographic electrodes — without paste electrolyte
[NASA-CASE-MSC-14339-1] c 05 N75-24716
Silica reusable surface insulation
[NASA-CASE-ARC-10721-1] c 27 N76-22376
Two-component ceramic coating for silica insulation
[NASA-CASE-MSC-14270-1] c 27 N76-22377
Three-component ceramic coating for silica insulation
[NASA-CASE-MSC-14270-2] c 27 N76-23426
Field effect transistor and method of construction thereof
[NASA-CASE-MFS-23312-1] c 33 N78-27326
Cork-resin ablative insulation for complex surfaces and method for applying the same
[NASA-CASE-MFS-23626-1] c 24 N80-26388

INSULATORS

Electrostatic thruster with improved insulators Patent
[NASA-CASE-XLE-01902] c 28 N71-10574
High temperature resistant cermet and ceramic compositions — for thermal resistant insulators and refractory coatings
[NASA-CASE-NPO-13690-1] c 27 N78-19302
Pyroelectric detector arrays
[NASA-CASE-LAR-12363-2] c 33 N83-24763

INTAKE SYSTEMS

Inlet deflector for jet engines Patent
[NASA-CASE-XLE-00388] c 28 N70-34788
The engine air intake system
[NASA-CASE-ARC-10761-1] c 07 N77-18154
Fluid sampling device
[NASA-CASE-GSC-12143-1] c 35 N77-32456
Passive propellant system
[NASA-CASE-MFS-23642-1] c 20 N80-10278
Reciprocating engines
[NASA-CASE-MSC-16239-1] c 37 N81-32510

INTEGRATED CIRCUITS

Counter and shift register Patent
[NASA-CASE-XNP-01753] c 08 N71-22897
Pulse rise time and amplitude detector Patent
[NASA-CASE-XMF-08804] c 09 N71-24717
Method and apparatus for swept-frequency impedance measurements of welds
[NASA-CASE-ARC-10176-1] c 15 N72-21464
Integrated circuit including field effect transistor and cermet resistor
[NASA-CASE-GSC-10835-1] c 09 N72-33205
Derivation of a tangent function using an integrated circuit four-quadrant multiplier
[NASA-CASE-MSC-13907-1] c 10 N73-26230
Coaxial inverted geometry transistor having banded emitter
[NASA-CASE-ARC-10330-1] c 09 N73-32112
Integrated circuit package with lead structure and method of preparing the same
[NASA-CASE-MFS-21374-1] c 33 N74-12951
Integrated P-channel MOS gyrator
[NASA-CASE-MFS-22343-1] c 33 N74-34638
Four phase logic systems — including integrated microcircuits
[NASA-CASE-MSC-14240-1] c 33 N75-14957
Integrable power gyrator — with Z-matrix design using parallel transistors
[NASA-CASE-MFS-22342-1] c 33 N75-30428
Cross correlation anomaly detection system
[NASA-CASE-NPO-13283] c 38 N78-17395
Complementary DMOS-VMOS integrated circuit structure
[NASA-CASE-GSC-12190-1] c 33 N79-12321
A general logic structure for custom LSI circuits
[NASA-CASE-NPO-14410-1] c 33 N79-25314
Method for analyzing radiation sensitivity of integrated circuits
[NASA-CASE-NPO-14350-1] c 33 N80-14332
Solar cell system having alternating current output
[NASA-CASE-LEW-12806-2] c 44 N81-12542
Microwave integrated circuit for Josephson voltage standards
[NASA-CASE-MFS-23845-1] c 33 N81-17348
Integrated photo-responsive metal oxide semiconductor circuit
[NASA-CASE-GSC-12782-1] c 33 N83-13360
Integrated opto-electronic laser beam deflector position detector
[NASA-CASE-NPO-15943-1] c 36 N83-20092

INTEGRATED OPTICS

Integrated optics in an electrically scanned imaging Fourier transform spectrometer
[NASA-CASE-NPO-15844-1] c 74 N83-12992

INTEGRATORS

Operational integrator Patent
[NASA-CASE-NPO-10230] c 09 N71-12520
Variable duration pulse integrator Patent
[NASA-CASE-XLA-01219] c 10 N71-23084
Variable width pulse integrator Patent
[NASA-CASE-XLA-03356] c 10 N71-23315

Feedback integrator with grounded capacitor Patent
[NASA-CASE-XAC-10607] c 10 N71-23669
High speed phase detector Patent
[NASA-CASE-XNP-01306-2] c 09 N71-24596
Adaptive control system for line-commutated inverters
[NASA-CASE-MFS-25209-1] c 33 N83-35227

INTERFACIAL TENSION

Passive propellant system
[NASA-CASE-MFS-23642-1] c 20 N80-10278
Sphere forming method and apparatus
[NASA-CASE-NPO-15070-1] c 31 N83-35176

INTERFEROMETERS

Apparatus for controlling the velocity of an electromechanical drive for interferometers and the like Patent
[NASA-CASE-XGS-03532] c 14 N71-17627
Incremental motion drive system Patent
[NASA-CASE-XNP-08897] c 15 N71-17694
Laser grating interferometer Patent
[NASA-CASE-XLA-04295] c 16 N71-24170
Fringe counter for interferometers Patent
[NASA-CASE-LAR-10204] c 14 N71-27215
Interferometer-polarimeter
[NASA-CASE-NPO-11239] c 14 N73-12446
Interferometric rotation sensor
[NASA-CASE-ARC-10278-1] c 14 N73-25463
High resolution Fourier interferometer-spectrophotopolarimeter
[NASA-CASE-NPO-13604-1] c 35 N76-31490
Apparatus for providing a servo drive signal in a high-speed stepping interferometer
[NASA-CASE-NPO-13569-2] c 35 N79-14348
Velocity servo for continuous scan Fourier interference spectrometer
[NASA-CASE-NPO-14093-1] c 35 N80-20563
Interferometer
[NASA-CASE-NPO-14502-1] c 74 N81-17888
Interferometer — high resolution
[NASA-CASE-NPO-14448-1] c 74 N81-29963
Optical gyroscope system
[NASA-CASE-NPO-14258-1] c 35 N81-33448
Low noise lead screw positioner
[NASA-CASE-NPO-15617-1] c 35 N82-33681
A dual differential interferometer
[NASA-CASE-LAR-12966-1] c 71 N83-12969
Integrated optics in an electrically scanned imaging Fourier transform spectrometer
[NASA-CASE-NPO-15844-1] c 74 N83-12992
Dual-beam skin friction interferometer
[NASA-CASE-ARC-11354-1] c 74 N83-21949
Interferometric angle monitor
[NASA-CASE-GSC-12614-1] c 74 N83-32577

INTERFEROMETRY

Surface roughness measuring system — synthetic aperture radar measurements of ocean wave height and terrain peaks
[NASA-CASE-NPO-13862-1] c 35 N79-10391
Interferometric locating system
[NASA-CASE-NPO-14173-1] c 04 N80-32359

INTERLAYERS

Method of making a partial interlaminar separation composite system
[NASA-CASE-LAR-12065-2] c 24 N81-33235

INTERMEDIATE FREQUENCIES

Doppler radar having phase modulation of both transmitted and reflected return signals — ranging
[NASA-CASE-MSC-18875-1] c 32 N81-29312

INTERMEDIATE FREQUENCY AMPLIFIERS

Multichannel logarithmic RF level detector
[NASA-CASE-LAR-11021-1] c 32 N76-14321

INTERMETALLICS

Twisted multifilament superconductor
[NASA-CASE-LEW-11726-1] c 26 N73-26752
Synthesis of superconducting compounds by explosive compaction of powders
[NASA-CASE-MFS-20861-1] c 18 N73-32437
Improved nickel base coating alloy — oxidation resistant coatings
[NASA-CASE-LEW-13834-1] c 26 N83-24639

INTERNAL COMBUSTION ENGINES

Fuel injection pump for internal combustion engines Patent
[NASA-CASE-MSC-12139-1] c 28 N71-14058
Continuous detonation reaction engine Patent
[NASA-CASE-XMF-06926] c 28 N71-22983
System for preconditioning a combustible vapor
[NASA-CASE-NPO-12072] c 28 N72-22772
System for minimizing internal combustion engine pollution emission
[NASA-CASE-NPO-13402-1] c 37 N76-18457
Combustion engine — for air pollution control
[NASA-CASE-NPO-13671-1] c 37 N77-31497
Hydrogen-fueled engine
[NASA-CASE-NPO-13763-1] c 44 N78-33526
Plasma igniter for internal combustion engine
[NASA-CASE-NPO-13828-1] c 37 N79-11405

- Indicated mean-effective pressure instrument
[NASA-CASE-LEW-12661-1] c 35 N79-14345
- Start up system for hydrogen generator used with an internal combustion engine
[NASA-CASE-NPO-13849-1] c 28 N80-10374
- Supercritical fuel injection system
[NASA-CASE-LEW-12990-1] c 07 N81-29129
- Combustion engine system
[NASA-CASE-NPO-14565-2] c 25 N83-19826
- Automatic compression adjusting mechanism for internal combustion engines
[NASA-CASE-MSC-18807-1] c 37 N83-36483
- INTERPLANETARY SPACE**
- Heat shield Patent
[NASA-CASE-XMS-00486] c 33 N70-33344
- RC networks and amplifiers employing the same
[NASA-CASE-XAC-05462-2] c 10 N72-17171
- INTERPLANETARY SPACECRAFT**
- Transpirationally cooled heat ablation system Patent
[NASA-CASE-XMS-02677] c 31 N70-42075
- INTERPLANETARY TRAJECTORIES**
- Means for visually indicating flight paths of vehicles between the Earth, Venus, and Mercury Patent
[NASA-CASE-XNP-00708] c 14 N70-35394
- INTERPROCESSOR COMMUNICATION**
- Multi-computer communication system
[NASA-CASE-NPO-15433-1] c 62 N83-20634
- INTERSTITIALS**
- Method of and apparatus for generating an interstitial point in a data stream having an even number of data points
[NASA-CASE-MFS-25319-1] c 64 N83-12932
- INTRACRANIAL PRESSURE**
- Induction powered biological radiosonde
[NASA-CASE-ARC-11120-1] c 52 N80-18691
- INTRAOCULAR PRESSURE**
- Intra-ocular pressure normalization technique and equipment
[NASA-CASE-LEW-12955-1] c 52 N80-14684
- Intra-ocular pressure normalization technique and equipment
[NASA-CASE-LEW-12723-1] c 52 N80-18690
- INTRAVEHICULAR ACTIVITY**
- Space suit
[NASA-CASE-MSC-12609-1] c 05 N73-32012
- INTRAVENOUS PROCEDURES**
- Bio-medical flow sensor — intravenous procedures
[NASA-CASE-MSC-18761-1] c 52 N83-27577
- INTRUSION**
- Passive intrusion detection system
[NASA-CASE-NPO-13804-1] c 33 N80-23559
- INVENTIONS**
- Active notch filter network with variable notch depth, width and frequency
[NASA-CASE-FRC-11055-1] c 33 N80-29583
- Ion-exchange hollow fibers
[NASA-CASE-NPO-13309-1] c 25 N81-19244
- INVERTED CONVERTERS (DC TO AC)**
- Inverter ratio failure detector
[NASA-CASE-NPO-13160-1] c 35 N74-18090
- Variable frequency inverter for ac induction motors with torque, speed and braking control
[NASA-CASE-MFS-22088-1] c 33 N75-15874
- Solar cell system having alternating current output
[NASA-CASE-LEW-12806-2] c 44 N81-12542
- Power converter
[NASA-CASE-FRC-11014-1] c 33 N82-18494
- INVERTERS**
- Transient-compensated SCR inverter
[NASA-CASE-XLA-08507] c 09 N69-39984
- Inverter oscillator with voltage feedback
[NASA-CASE-NPO-10760] c 09 N72-25254
- Overload protection system for power inverter
[NASA-CASE-NPO-13872-1] c 33 N78-10377
- Module failure isolation circuit for paralleled inverters — preventing system failure during power conditioning for spacecraft applications
[NASA-CASE-NPO-14000-1] c 33 N79-24254
- Base drive for paralleled inverter systems
[NASA-CASE-NPO-14183-1] c 33 N81-14220
- Magnetic heading reference
[NASA-CASE-LAR-12638-1] c 44 N82-24716
- Adaptive reference voltage generator for firing angle control of line-commutated inverters
[NASA-CASE-MFS-25215-1] c 33 N83-31953
- Adaptive control system for line-commutated inverters
[NASA-CASE-MFS-25209-1] c 33 N83-35227
- IODINE**
- Method of using photovoltaic cell using poly-N-vinylcarbazole complex Patent
[NASA-CASE-NPO-10373] c 03 N71-18698
- Simple method of making photovoltaic junctions Patent
[NASA-CASE-XNP-01960] c 09 N71-23027
- Iodine generator for reclaimed water purification
[NASA-CASE-MSC-14632-1] c 54 N78-14784
- IODINE COMPOUNDS**
- Perfluoroalkyl polytriazines containing pendent iododifluoromethyl groups
[NASA-CASE-ARC-11241-1] c 25 N81-14016
- IODINE ISOTOPES**
- Production of high purity I-123
[NASA-CASE-LEW-10518-1] c 24 N72-33681
- Method of producing I-123 — by bombardment of cesium causing spallation
[NASA-CASE-LEW-11390-2] c 25 N76-27383
- Production of I-123
[NASA-CASE-LEW-11390-3] c 25 N76-29379
- ION ACCELERATORS**
- Process for glass coating an ion accelerator grid Patent
[NASA-CASE-LEW-10278-1] c 15 N71-28582
- ION BEAMS**
- Ion beam deflector Patent
[NASA-CASE-LEW-10689-1] c 28 N71-26173
- Dispensing targets for ion beam particle generators
[NASA-CASE-NPO-13112-1] c 73 N74-26767
- Sputtering holes with ion beamlets
[NASA-CASE-LEW-11646-1] c 20 N74-31269
- Method of constructing dished ion thruster grids to provide hole array spacing compensation
[NASA-CASE-LEW-11876-1] c 20 N76-21276
- Ion beam thruster shield
[NASA-CASE-LEW-12082-1] c 20 N77-10148
- Targets for producing high purity I-123
[NASA-CASE-LEW-10518-3] c 25 N78-27226
- Method of cold welding using ion beam technology
[NASA-CASE-LEW-12982-1] c 37 N81-19455
- Ion beam textured graphite electrode plates — high efficiency electron tube devices
[NASA-CASE-LEW-12919-2] c 24 N82-26386
- ION CHARGE**
- Quadrupole mass filter with means to generate a noise spectrum exclusive of the resonant frequency of the desired ions to deflect stable ions
[NASA-CASE-XNP-04231] c 14 N73-32325
- ION CONCENTRATION**
- Deposition of alloy films — on irregularly shaped metal object
[NASA-CASE-LEW-11262-1] c 27 N74-13270
- ION CURRENTS**
- System for monitoring the presence of neutrals in a stream of ions Patent
[NASA-CASE-XNP-02592] c 24 N71-20518
- ION CYCLOTRON RADIATION**
- Ion and electron detector for use in an ICR spectrometer
[NASA-CASE-NPO-13479-1] c 35 N77-10492
- ION DENSITY (CONCENTRATION)**
- Method and apparatus for measurement of trap density and energy distribution in dielectric films
[NASA-CASE-NPO-13443-1] c 76 N76-20994
- ION ENGINES**
- Ion thruster cathode
[NASA-CASE-XLE-07087] c 06 N69-39889
- High-vacuum condenser tank for ion rocket tests Patent
[NASA-CASE-XLE-00168] c 11 N70-33278
- Ion thruster cathode Patent Application
[NASA-CASE-LEW-10814-1] c 28 N70-35422
- Ion rocket Patent
[NASA-CASE-XLE-00376] c 28 N70-37245
- Rocket engine Patent
[NASA-CASE-XLE-00342] c 28 N70-37980
- Thrust dynamometer Patent
[NASA-CASE-XLE-00702] c 14 N70-40203
- Apparatus for increasing ion engine beam density Patent
[NASA-CASE-XLE-00519] c 28 N70-41576
- Double optic system for ion engine Patent
[NASA-CASE-XNP-02839] c 28 N70-41922
- Electrostatic ion engine having a permanent magnetic circuit Patent
[NASA-CASE-XLE-01124] c 28 N71-14043
- Electrostatic ion rocket engine Patent
[NASA-CASE-XLE-02066] c 28 N71-15661
- System for monitoring the presence of neutrals in a stream of ions Patent
[NASA-CASE-XNP-02592] c 24 N71-20518
- Construction and method of arranging a plurality of ion engines to form a cluster Patent
[NASA-CASE-XNP-02923] c 28 N71-23081
- Electronic cathode having a brush-like structure and a relatively thick oxide emissive coating Patent
[NASA-CASE-XLE-04501] c 09 N71-23190
- Ion engine casing construction and method of making same Patent
[NASA-CASE-XNP-06942] c 28 N71-23293
- Ion thruster accelerator system Patent
[NASA-CASE-LEW-10106-1] c 28 N71-26642
- Propellant feed isolator Patent
[NASA-CASE-LEW-10210-1] c 28 N71-26781
- High efficiency ionizer assembly Patent
[NASA-CASE-XNP-01954] c 28 N71-28850
- Feed system for an ion thruster
[NASA-CASE-NPO-10737] c 28 N72-11709
- Ion thruster with a combination keeper electrode and electron baffle
[NASA-CASE-NPO-11880] c 28 N73-24783
- Single grid accelerator for an ion thruster
[NASA-CASE-XLE-10453-2] c 28 N73-27699
- Method of making dished ion thruster grids
[NASA-CASE-LEW-11694-1] c 20 N75-18310
- Method of constructing dished ion thruster grids to provide hole array spacing compensation
[NASA-CASE-LEW-11876-1] c 20 N76-21276
- Ring-cusp ion thruster with shell anode
[NASA-CASE-LEW-13881-1] c 72 N83-21903
- ION EXCHANGE MEMBRANE ELECTROLYTES**
- Method of making membranes
[NASA-CASE-XNP-04264] c 03 N69-21337
- Ion-exchange membrane with platinum electrode assembly Patent
[NASA-CASE-XMS-02063] c 03 N71-29044
- Formulated plastic separators for soluble electrode cells — rubber-ion transport membranes
[NASA-CASE-LEW-12358-1] c 44 N79-17313
- Insoluble polyelectrolyte and ion-exchange hollow fiber impregnated therewith
[NASA-CASE-NPO-13530-1] c 25 N81-17187
- Method of making formulated plastic separators for soluble electrode cells
[NASA-CASE-LEW-12358-2] c 25 N82-21268
- ION EXCHANGE RESINS**
- Inorganic-organic separators for alkaline batteries
[NASA-CASE-LEW-12649-1] c 44 N78-25530
- Dialysis system — using ion exchange resin membranes permeable to urea molecules
[NASA-CASE-NPO-14101-1] c 52 N80-14687
- Membrane consisting of polyquaternary amine ion exchange polymer network interpenetrating the chains of thermoplastic matrix polymer
[NASA-CASE-NPO-14001-1] c 27 N81-14076
- ION EXCHANGING**
- Membrane consisting of polyquaternary amine ion exchange polymer network interpenetrating the chains of thermoplastic matrix polymer
[NASA-CASE-NPO-14001-1] c 27 N81-14076
- Ion-exchange hollow fibers
[NASA-CASE-NPO-13309-1] c 25 N81-19244
- ION EXTRACTION**
- Apparatus for extraction and separation of a preferentially photo-dissociated molecular isotope into positive and negative ions by means of an electric field
[NASA-CASE-LEW-12465-1] c 25 N78-25148
- ION IMPLANTATION**
- Method of making V-MOS field effect transistors utilizing a two-step anisotropic etching and ion implantation
[NASA-CASE-GSC-12515-1] c 33 N81-26360
- ION IRRADIATION**
- Modification of the electrical and optical properties of polymers — ion irradiation to create texture
[NASA-CASE-LEW-13027-1] c 27 N80-24437
- ION MOTION**
- Ion mass spectrometer — exploring comet tails
[NASA-CASE-NPO-15423-1] c 91 N82-25042
- ION PLATING**
- Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-2] c 44 N81-29524
- ION PROBES**
- Ion microprobe mass spectrometer for analyzing fluid materials Patent
[NASA-CASE-ERC-10014] c 14 N71-28863
- ION PROPULSION**
- Variable thrust ion engine utilizing thermally decomposable solid fuel Patent
[NASA-CASE-XMF-00923] c 28 N70-36802
- Ion rocket Patent
[NASA-CASE-XLE-00376] c 28 N70-37245
- Rocket engine Patent
[NASA-CASE-XLE-00342] c 28 N70-37980
- Method of producing porous tungsten ionizers for ion rocket engines Patent
[NASA-CASE-XLE-00455] c 28 N70-38197
- Double optic system for ion engine Patent
[NASA-CASE-XNP-02839] c 28 N70-41922
- Electron bombardment ion engine Patent
[NASA-CASE-NPO-04124] c 28 N71-21822
- Ion beam deflector Patent
[NASA-CASE-LEW-10689-1] c 28 N71-26173
- Ion thruster accelerator system Patent
[NASA-CASE-LEW-10106-1] c 28 N71-26642
- Feed system for an ion thruster
[NASA-CASE-NPO-10737] c 28 N72-11709
- Ion thruster
[NASA-CASE-LEW-10770-1] c 28 N72-22770

- Ion thruster magnetic field control
[NASA-CASE-LEW-10835-1] c 28 N72-22771
- Method of making dished ion thruster gnds
[NASA-CASE-LEW-11694-1] c 20 N75-18310
- Apparatus for forming dished ion thruster gnds
[NASA-CASE-LEW-11694-2] c 37 N76-14461
- Anode for ion thruster
[NASA-CASE-LEW-12048-1] c 20 N77-20162
- Closed Loop solar array-ion thruster system with power control circuitry
[NASA-CASE-LEW-12780-1] c 20 N79-20179
- A dc to dc converter — raising battery voltage in an ion propulsion system
[NASA-CASE-MFS-25430-1] c 33 N82-28550
- ION PUMPS**
- Mass spectrometer with magnetic pole pieces providing the magnetic fields for both the magnetic sector and an ion-type vacuum pump
[NASA-CASE-NPO-13663-1] c 35 N77-14406
- ION SOURCES**
- Focussing system for an ion source having apertured electrodes Patent
[NASA-CASE-XNP-03332] c 09 N71-10618
- Multilayer porous ionizer Patent
[NASA-CASE-XNP-04338] c 17 N71-23046
- Ion thruster accelerator system Patent
[NASA-CASE-LEW-10106-1] c 28 N71-26642
- High efficiency ionizer assembly Patent
[NASA-CASE-XNP-01954] c 28 N71-28850
- Apparatus for ionization analysis
[NASA-CASE-ARC-10017-1] c 14 N72-29464
- Sputtering holes with ion beamlets
[NASA-CASE-LEW-11646-1] c 20 N74-31269
- Multitarget sequential sputtering apparatus
[NASA-CASE-NPO-13345-1] c 37 N75-19684
- Miniature cyclotron resonance ion source using small permanent magnet
[NASA-CASE-NPO-14324-1] c 72 N80-27163
- Hydrogen hollow cathode ion source
[NASA-CASE-LEW-12940-1] c 72 N80-33186
- ION TRAPS (INSTRUMENTATION)**
- Method and apparatus for measurement of trap density and energy distribution in dielectric films
[NASA-CASE-NPO-13443-1] c 76 N76-20994
- IONIC MOBILITY**
- Solid electrolyte cell
[NASA-CASE-NPO-15269-1] c 44 N82-29710
- IONIZATION**
- MHD electrical generator
[NASA-CASE-NPO-15399-1] c 75 N82-24079
- IONIZATION CHAMBERS**
- Baseline stabilization system for ionization detector Patent
[NASA-CASE-XNP-03128] c 10 N70-41991
- Electron bombardment ion engine Patent
[NASA-CASE-XNP-04124] c 28 N71-21822
- A multichannel photoionization chamber for absorption analysis Patent
[NASA-CASE-ERC-10044-1] c 14 N71-27090
- Apparatus for ionization analysis
[NASA-CASE-ARC-10017-1] c 14 N72-29464
- IONIZATION GAGES**
- Ionization vacuum gauge Patent
[NASA-CASE-XNP-00646] c 14 N70-35666
- Pressure monitoring with a plurality of ionization gauges controlled at a central location Patent
[NASA-CASE-XLE-00787] c 14 N71-21090
- Apparatus for ionization analysis
[NASA-CASE-ARC-10017-1] c 14 N72-29464
- Ultrahigh vacuum measuring ionization gauge
[NASA-CASE-XLA-05087] c 14 N73-30391
- IONIZATION POTENTIALS**
- Field ionization electrodes Patent
[NASA-CASE-ERC-10013] c 09 N71-26678
- IONIZED GASES**
- Probes having ring and primary sensor at same potential to prevent collection of stray wall currents in ionized gases
[NASA-CASE-XLE-00690] c 25 N69-39884
- Transient heat transfer gauge Patent
[NASA-CASE-XNP-09802] c 33 N71-15641
- Apparatus for extraction and separation of a preferentially photo-dissociated molecular isotope into positive and negative ions by means of an electric field
[NASA-CASE-LEW-12465-1] c 25 N78-25148
- IONIZERS**
- Water management system and an electrolytic cell therefor Patent
[NASA-CASE-MSC-10960-1] c 03 N71-24718
- Method of making dished ion thruster gnds
[NASA-CASE-LEW-11694-1] c 20 N75-18310
- Particle analyzing method and apparatus
[NASA-CASE-NPO-15292-1] c 35 N83-27184
- IONIZING RADIATION**
- High-voltage cable Patent
[NASA-CASE-XNP-00738] c 09 N70-38201

- Reinforced polyquinoxaline gasket and method of preparing the same — resistant to ionizing radiation and liquid hydrogen temperatures
[NASA-CASE-MFS-21384-1] c 37 N74-18126
- IONOSPHERE**
- Ionospheric battery Patent
[NASA-CASE-XGS-01593] c 03 N70-35408
- IONOSPHERIC DISTURBANCES**
- Method and apparatus for calibrating the ionosphere and application to surveillance of geophysical events
[NASA-CASE-NPO-15430-1] c 46 N82-26890
- IONOSPHERIC ELECTRON DENSITY**
- Method and apparatus for calibrating the ionosphere and application to surveillance of geophysical events
[NASA-CASE-NPO-15430-1] c 46 N82-26890
- IONS**
- Micrometeoroid analyzer
[NASA-CASE-ARC-10443-1] c 14 N73-20477
- IRIDIUM**
- Thermocouples of molybdenum and iridium alloys for more stable vacuum-high temperature performance
[NASA-CASE-LEW-12174-2] c 35 N79-14346
- IRISES (MECHANICAL APERTURES)**
- Active microwave inses and windows
[NASA-CASE-LAR-10513-1] c 07 N72-25170
- Thin film microwave ins
[NASA-CASE-LAR-10511-1] c 09 N72-29172
- IRON ALLOYS**
- Tantalum modified ferritic iron base alloys
[NASA-CASE-LEW-12095-1] c 26 N78-18182
- Process for making a high toughness-high strength iron alloy
[NASA-CASE-LEW-12542-2] c 26 N79-22271
- High toughness-high strength iron alloy
[NASA-CASE-LEW-12542-3] c 26 N80-32484
- Overlay metallic-cermet alloy coating systems — for gas turbine engines
[NASA-CASE-LEW-13639-1] c 27 N82-33522
- IRON CHLORIDES**
- Improved chromium electrodes for REDOX cells
[NASA-CASE-LEW-13653-1] c 44 N82-22672
- IRON COMPOUNDS**
- Coal desulfurization — using iron pentacarbonyl
[NASA-CASE-NPO-14272-1] c 25 N81-33246
- IRRADIATION**
- Solar sensor having coarse and fine sensing with matched preirradiated cells and method of selecting cells Patent
[NASA-CASE-XLA-01584] c 14 N71-23269
- Apparatus for obtaining isotropic irradiation of a specimen
[NASA-CASE-MFS-20095] c 24 N72-11595
- Production of pure metals
[NASA-CASE-LEW-10906-1] c 25 N74-30502
- Method for analyzing radiation sensitivity of integrated circuits
[NASA-CASE-NPO-14350-1] c 33 N80-14332
- Vitro-violet process for producing flame resistant polyamides and products produced thereby — protective clothing for high oxygen environments
[NASA-CASE-MSC-16074-1] c 27 N80-26446
- IRRIGATION**
- Solar-powered pump
[NASA-CASE-NPO-13567-1] c 44 N76-29701
- ISOLATION**
- High thermal power density heat transfer apparatus providing electrical isolation at high temperature using heat pipes
[NASA-CASE-LEW-12950-2] c 44 N83-29804
- ISOLATORS**
- Propellant feed isolator Patent
[NASA-CASE-LEW-10210-1] c 28 N71-26781
- Positive isolation disconnect
[NASA-CASE-MSC-16043-1] c 37 N79-11402
- Resonant isolator for maser amplifier
[NASA-CASE-NPO-15201-1] c 36 N83-35350
- ISOPROPYL ALCOHOL**
- Highly fluorinated polymers
[NASA-CASE-MFS-11492] c 06 N73-30102
- ISOTHERMAL LAYERS**
- Isothermal cover with thermal reservoirs Patent
[NASA-CASE-MFS-20355] c 33 N71-25353
- ISOTHERMAL PROCESSES**
- Opto-mechanical subsystem with temperature compensation through isothermal design
[NASA-CASE-GSC-12059-1] c 35 N77-27366
- ISOTOPE SEPARATION**
- Isotope separation using metallic vapor lasers
[NASA-CASE-NPO-13550-1] c 36 N77-26477
- J**
- JET AIRCRAFT**
- Inlet deflector for jet engines Patent
[NASA-CASE-XLE-00388] c 28 N70-34788

- Multiple pure tone elimination strut assembly — air breathing engines
[NASA-CASE-FRC-11062-1] c 71 N82-16800
- JET AIRCRAFT NOISE**
- Jet aircraft configuration Patent
[NASA-CASE-XLA-00087] c 02 N70-33332
- Noise suppressor — for turbofan engine by incorporating annular acoustically porous elements in exhaust and inlet ducts
[NASA-CASE-LAR-11141-1] c 07 N74-32418
- Abating exhaust noises in jet engines
[NASA-CASE-ARC-10712-1] c 07 N74-33218
- Instrumentation for measurement of aircraft noise and sonic boom
[NASA-CASE-LAR-11173-1] c 35 N75-19614
- Cascade plug nozzle — for jet noise reduction
[NASA-CASE-LAR-11674-1] c 07 N76-18117
- Noise suppressor for turbo fan jet engines
[NASA-CASE-ARC-10812-1] c 07 N83-33884
- JET AMPLIFIERS**
- Fluid jet amplifier
[NASA-CASE-XLE-03512] c 12 N69-21466
- Fluid jet amplifier Patent
[NASA-CASE-XLE-09341] c 12 N71-28741
- JET BLAST EFFECTS**
- Single action separation mechanism Patent
[NASA-CASE-XLA-00188] c 15 N71-22874
- JET CONTROL**
- Attitude control for spacecraft Patent
[NASA-CASE-XNP-00294] c 21 N70-36938
- JET ENGINES**
- Absorptive splitter for closely spaced supersonic engine air inlets Patent
[NASA-CASE-XLA-02865] c 28 N71-15563
- Thrust dynamometer Patent
[NASA-CASE-XLE-05260] c 14 N71-20429
- Nacelle afterbody for jet engines Patent
[NASA-CASE-XLA-10450] c 28 N71-21493
- Welding blades to rotors
[NASA-CASE-LEW-10533-1] c 15 N73-28515
- Variably positioned guide vanes for aerodynamic choking
[NASA-CASE-LAR-10642-1] c 07 N74-31270
- Cascade plug nozzle — for jet noise reduction
[NASA-CASE-XLE-11674-1] c 07 N76-18117
- The engine air intake system
[NASA-CASE-ARC-10761-1] c 07 N77-18154
- Stator rotor tools
[NASA-CASE-MSC-16000-1] c 37 N78-24544
- Electrical servo actuator bracket — fuel control valves on jet engines
[NASA-CASE-FRC-11044-1] c 37 N81-33483
- Diffuser/ejector system for a very high vacuum environment
[NASA-CASE-MFS-15791-1] c 37 N82-33712
- JET EXHAUST**
- Jet exhaust noise suppressor
[NASA-CASE-LEW-11286-1] c 07 N74-27490
- Gas turbine engine with recirculating bleed
[NASA-CASE-LEW-12452-1] c 07 N78-25089
- Reduction of nitric oxide emissions from a combustor
[NASA-CASE-ARC-10814-2] c 07 N80-26298
- JET FLAPS**
- Jet aircraft configuration Patent
[NASA-CASE-XLA-00087] c 02 N70-33332
- JET FLOW**
- Two phase flow system with discrete impinging two-phase jets
[NASA-CASE-NPO-11556] c 12 N72-25292
- JET MIXING FLOW**
- Rocket engine injector Patent
[NASA-CASE-XLE-00111] c 28 N70-38199
- JET NOZZLES**
- Fluid jet amplifier
[NASA-CASE-XLE-03512] c 12 N69-21466
- Thrust and direction control apparatus Patent
[NASA-CASE-XLE-03583] c 31 N71-17629
- Heater-mixer for stored fluids
[NASA-CASE-ARC-10442-1] c 35 N74-15093
- JET PROPULSION**
- Two dimensional wedge/translating shroud nozzle
[NASA-CASE-LAR-11919-1] c 07 N78-27121
- JET THRUST**
- Control system for rocket vehicles Patent
[NASA-CASE-XLA-01183] c 21 N71-15582
- Reactance control system Patent
[NASA-CASE-XMF-01598] c 21 N71-15583
- Method and apparatus for rapid thrust increases in a turbofan engine
[NASA-CASE-LEW-12971-1] c 07 N80-18039
- JETTISON SYSTEMS**
- Space capsule ejection assembly Patent
[NASA-CASE-XMF-03169] c 31 N71-15675
- Method and system for ejecting fairing sections from a rocket vehicle
[NASA-CASE-GSC-10590-1] c 31 N73-14853

SUBJECT INDEX

LANDING GEAR

Explosively activated egress area
[NASA-CASE-LAR-12624-1] c 01 N83-35992

JIGS
Apparatus for positioning modular components on a vertical or overhead surface
[NASA-CASE-LAR-11465-1] c 37 N76-21554
Solar cell module assembly jig
[NASA-CASE-XGS-00829-1] c 44 N79-19447

JOINING
Integrated gas turbine engine-nacelle
[NASA-CASE-LEW-12389-3] c 07 N79-14096

JOINTS (ANATOMY)
Space suit pressure stabilizer Patent
[NASA-CASE-XLA-05332] c 05 N71-11194
Equipotential space suit Patent
[NASA-CASE-LAR-10007-1] c 05 N71-11195
Omnidirectional joint Patent
[NASA-CASE-XMS-09635] c 05 N71-24623
Orthotic arm joint --- for use in mechanical arms
[NASA-CASE-MFS-21611-1] c 54 N75-12616
Rotational joint assembly for the prosthetic leg
[NASA-CASE-KSC-11004-1] c 54 N77-30749
Spacesuit mobility knee joints
[NASA-CASE-ARC-11058-2] c 54 N79-24651

JOINTS (JUNCTIONS)
Electrode and insulator with shielded dielectric junction
[NASA-CASE-XLE-03778] c 09 N69-21542
Elastic universal joint Patent
[NASA-CASE-XNP-00416] c 15 N70-36947
Portable alignment tool Patent
[NASA-CASE-XMF-01452] c 15 N70-41371
Pressure garment joint Patent
[NASA-CASE-XMS-09636] c 05 N71-12344
Technique of elbow bending small jacketed transfer lines Patent
[NASA-CASE-XNP-10475] c 15 N71-24679
Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114-2] c 15 N71-26148
Frictionless universal joint Patent
[NASA-CASE-NPO-10646] c 15 N71-28467
Spherical shield Patent
[NASA-CASE-XNP-01855] c 15 N71-28937
Universal restrainer and joint Patent
[NASA-CASE-XNP-02278] c 15 N71-28951
Diffusion welding in air --- solid state welding of butt joint by fusion welding, surface cleaning, and heating
[NASA-CASE-LEW-11387-1] c 37 N74-18128
Bonded joint and method --- for reducing peak shear stress in adhesive bonds
[NASA-CASE-LAR-10900-1] c 37 N74-23064
Flexible joint for pressurizable garment
[NASA-CASE-MSF-11072] c 54 N74-32546
Method of making an explosively welded scarf joint
[NASA-CASE-LAR-11211-1] c 37 N75-12326
Latching device
[NASA-CASE-MFS-21606-1] c 37 N75-19685
Method of determining bond quality of power transistors attached to substrates --- X ray inspection of junction microstructure
[NASA-CASE-MFS-21931-1] c 37 N75-26372
Externally supported internally stabilized flexible duct joint
[NASA-CASE-MFS-19194-1] c 37 N76-14460
Wrist joint assembly
[NASA-CASE-MFS-23311-1] c 54 N78-17676
Spacesuit mobility joints
[NASA-CASE-ARC-11058-1] c 54 N78-31735
Thermal barrier pressure seal --- shielding junctions between spacecraft control surfaces and structures
[NASA-CASE-MSF-18134-1] c 37 N81-15363
Reusable captive blind fastener
[NASA-CASE-MSF-18742-1] c 37 N82-26673
Interlocking wedge joint
[NASA-CASE-LAR-12729-1] c 37 N82-26676
Pressure suit joint analyzer
[NASA-CASE-ARC-11314-1] c 54 N82-26987
Self-locking mechanical center joint --- for space construction
[NASA-CASE-LAR-12864-1] c 37 N82-29606
Mechanical end joint system for structural column elements
[NASA-CASE-LAR-12482-1] c 37 N82-32732
Automatic weld torch guidance control system
[NASA-CASE-MFS-25807] c 37 N83-20154
Articulated joint for deployable structures
[NASA-CASE-NPO-16038-1] c 37 N83-20157
Electrical rotary joint apparatus for large space structures
[NASA-CASE-MFS-23981-1] c 07 N83-20944

JOSEPHSON JUNCTIONS
Doped Josephson tunneling junction for use in a sensitive IR detector
[NASA-CASE-NPO-13348-1] c 33 N75-31332

Microwave integrated circuit for Josephson voltage standards
[NASA-CASE-MFS-23845-1] c 33 N81-17348

JOULE-THOMSON EFFECT
Refrigeration apparatus
[NASA-CASE-NPO-10309] c 15 N69-23190
Cycling Joule Thomson refrigerator
[NASA-CASE-NPO-15251-1] c 31 N83-31897

JOURNAL BEARINGS
Slit regulated gas journal bearing Patent
[NASA-CASE-XNP-00476] c 15 N70-38620
Air bearing assembly for curved surfaces
[NASA-CASE-MFS-20423] c 15 N72-11388
Journal bearings --- for lubricant films
[NASA-CASE-LEW-11076-1] c 37 N74-21061
Journal Bearings
[NASA-CASE-LEW-11076-2] c 37 N74-32921
Lubricated journal bearing
[NASA-CASE-LEW-11076-3] c 37 N75-30562
Fluid journal bearings
[NASA-CASE-LEW-11076-4] c 37 N76-15461

JUNCTION DIODES
Phototransistor
[NASA-CASE-MFS-20407] c 09 N73-19235
Diode-quad bridge circuit means
[NASA-CASE-ARC-10384-2] c 33 N75-25041
Charge storage diode modulators and demodulators
[NASA-CASE-NPO-10189-1] c 33 N77-21314
Integrating IR detector imaging systems
[NASA-CASE-NPO-15805-1] c 74 N83-20757

JUNCTION TRANSISTORS
Apparatus for ballasting high frequency transistors
[NASA-CASE-XGS-05003] c 09 N69-24318
Semiconductor transducer device
[NASA-CASE-ERC-10087-2] c 14 N72-31446
Method of determining bond quality of power transistors attached to substrates --- X ray inspection of junction microstructure
[NASA-CASE-MFS-21931-1] c 37 N75-26372

K

KEYING
High-speed multiplexing of keyboard data inputs
[NASA-CASE-NPO-14554-1] c 60 N81-27814

KIDNEY DISEASES
Aldehyde-containing urea-absorbing polysaccharides
[NASA-CASE-NPO-13620-1] c 27 N77-30236
Apparatus for disintegrating kidney stones
[NASA-CASE-GSC-12652-1] c 52 N82-26961

KIDNEYS
Apparatus for disintegrating kidney stones
[NASA-CASE-GSC-12652-1] c 52 N82-26961

KINETIC ENERGY
Non-reusable kinetic energy absorber Patent
[NASA-CASE-XLE-00810] c 15 N70-34861
Method and turbine for extracting kinetic energy from a stream of two-phase fluid
[NASA-CASE-NPO-14130-1] c 34 N79-20335

KINETIC FRICTION
Friction measuring apparatus Patent
[NASA-CASE-XNP-08680] c 14 N71-22995

KINETICS
Micrometeoroid analyzer
[NASA-CASE-ARC-10443-1] c 14 N73-20477

KRAFT PROCESS (WOODPULP)
Process for purification of waste water produced by a Kraft process pulp and paper mill
[NASA-CASE-NPO-13847-2] c 85 N79-17747

L

LABORATORY EQUIPMENT
Stirring apparatus for plural test tubes Patent
[NASA-CASE-XAC-06956] c 15 N71-21177
Gas purged dry box glove Patent
[NASA-CASE-XLE-02531] c 05 N71-23080
Gas liquefaction and dispensing apparatus Patent
[NASA-CASE-NPO-10070] c 15 N71-27372
Variable angle tube holder
[NASA-CASE-LAR-10507-1] c 11 N72-25284
Method for controlling vapor content of a gas
[NASA-CASE-NPO-10633] c 03 N72-28025
Zero gravity liquid mixer
[NASA-CASE-LAR-10195-1] c 15 N73-19458
Automatic real-time pair-feeding system for animals
[NASA-CASE-ARC-10302-1] c 51 N74-15778
Automated single-slide staining device
[NASA-CASE-LAR-11649-1] c 51 N77-27677
Machine for use in monitoring fatigue life for a plurality of elastomeric specimens
[NASA-CASE-NPO-13731-1] c 39 N78-10493

The 2 deg/90 deg laboratory scattering photometer --- particulate refractivity in hydrosols
[NASA-CASE-GSC-12088-1] c 74 N78-13874

Automatic multiple-sample applicator and electrophoresis apparatus
[NASA-CASE-ARC-10991-1] c 25 N78-14104

Microelectrophoretic apparatus and process
[NASA-CASE-ARC-11121-1] c 25 N79-14169

Electrophoresis device
[NASA-CASE-MFS-25426-1] c 25 N83-10126

LACQUERS
Method for applying photographic resists to otherwise incompatible substrates
[NASA-CASE-MSF-18107-1] c 27 N81-25209

LADDERS
Dielectric based submillimeter backward wave oscillator circuit
[NASA-CASE-LEW-13736-1] c 33 N83-17802

LAMINAR FLOW
Laminar flow enhancement Patent
[NASA-CASE-NPO-10122] c 12 N71-17631
Detection of the transitional layer between laminar and turbulent flow areas on a wing surface --- using an accelerometer to measure pressure levels during wind tunnel tests
[NASA-CASE-LAR-12261-1] c 02 N80-20224
Continuous laminar smoke generator --- visualizing flow around wind tunnel models
[NASA-CASE-LAR-13014-1] c 28 N83-35158

LAMINATES
Multilayer porous ionizer Patent
[NASA-CASE-XNP-04338] c 17 N71-23046
Polyimide resin-fiberglass cloth laminates for printed circuit boards
[NASA-CASE-MFS-20408] c 18 N73-12604
Reinforced polyquinoxaline gasket and method of preparing the same --- resistant to ionizing radiation and liquid hydrogen temperatures
[NASA-CASE-MFS-21364-1] c 37 N74-18126
Method of laminating structural members
[NASA-CASE-XLA-11028-1] c 24 N74-27035
Bonding method in the manufacture of continuous regression rate sensor devices
[NASA-CASE-LAR-10337-1] c 24 N75-30260
Transparent fire resistant polymeric structures
[NASA-CASE-ARC-10813-1] c 27 N76-16230
Leading edge protection for composite blades
[NASA-CASE-LEW-12550-1] c 24 N77-19170
Hybrid composite laminate structures
[NASA-CASE-LEW-12118-1] c 24 N77-27188
Honeycomb-laminate composite structure
[NASA-CASE-ARC-10913-1] c 24 N78-15180
Composite lamination method
[NASA-CASE-LAR-12019-1] c 24 N78-17150
Lightweight electrically-powered flexible thermal laminate --- made of metal and nonconductive yarns
[NASA-CASE-MSF-12662-1] c 33 N79-12331
Process for preparing high temperature polyimide film laminates
[NASA-CASE-LAR-12742-1] c 24 N81-12174
Method for alleviating thermal stress damage in laminates --- metal matrix composites
[NASA-CASE-LEW-12493-1] c 24 N81-17170
Method for alleviating thermal stress damage in laminates
[NASA-CASE-LEW-12493-2] c 24 N81-26179
Method of making a partial interlaminar separation composite system
[NASA-CASE-LAR-12065-2] c 24 N81-33235
Fuselage structure using advanced technology fiber reinforced composites
[NASA-CASE-LAR-11688-1] c 24 N82-26384
Method of tracing contour patterns for use in making gradual contour resin matrix composites
[NASA-CASE-ARC-11246-1] c 31 N83-34073
Piezoelectric composite materials
[NASA-CASE-LEW-12582-1] c 76 N83-34796

LANDFORMS
Method for observing the features characterizing the surface of a land mass
[NASA-CASE-FRC-11013-1] c 43 N81-17499

LANDING AIDS
Altitude sensing device
[NASA-CASE-XMS-01994-1] c 14 N72-17326
Magnetic position detection method and apparatus
[NASA-CASE-ARC-10179-1] c 21 N72-22619
Full color hybrid display for aircraft simulators --- landing aids
[NASA-CASE-ARC-10903-1] c 09 N78-18083

LANDING GEAR
Pivotal shock absorbing pad assembly Patent
[NASA-CASE-XMF-03856] c 31 N70-34159
Nose gear steering system for vehicle with main skids Patent
[NASA-CASE-XLA-01804] c 02 N70-34160

LANDING MODULES

- Landing pad assembly for aerospace vehicles Patent
[NASA-CASE-XMF-02853] c 31 N70-36654
Aircraft wheel spray drag alleviator Patent
[NASA-CASE-XLA-01583] c 02 N70-36825
Space craft soft landing system Patent
[NASA-CASE-XMF-02108] c 31 N70-36845
Double-acting shock absorber Patent
[NASA-CASE-XMF-01045] c 15 N70-40354
Landing gear Patent
[NASA-CASE-XMF-01174] c 02 N70-41589
Tire/wheel concept
[NASA-CASE-LAR-11695-2] c 37 N81-24443

LANDING MODULES

- Double-acting shock absorber Patent
[NASA-CASE-XMF-01045] c 15 N70-40354

LANDING SIMULATION

- Impact simulator Patent
[NASA-CASE-XLA-00493] c 11 N70-34786

LANTHANUM COMPOUNDS

- Stabilized lanthanum sulphur compounds ---
thermoelectric materials
[NASA-CASE-NPO-16135-1] c 25 N83-24572

LARGE SCALE INTEGRATION

- A general logic structure for custom LSI circuits
[NASA-CASE-NPO-14410-1] c 33 N79-25314
General logic structure for custom LSI circuits
[NASA-CASE-NPO-14410-2] c 33 N82-25440
Combinational logic for generating gate drive signals for
phase control rectifiers
[NASA-CASE-MFS-25208-1] c 33 N83-10345
Split-cross-bridge-resistor for testing for proper
fabrication of integrated circuit
[NASA-CASE-NPO-16021-1] c 33 N83-24769

LARGE SPACE STRUCTURES

- Structural members, method and apparatus
[NASA-CASE-MSC-16217-1] c 31 N81-27323
Electrical rotary joint apparatus for large space
structures
[NASA-CASE-MFS-23981-1] c 07 N83-20944
Induction heating gun
[NASA-CASE-LAR-13181-1] c 33 N83-29591
Beam connector apparatus and assembly
[NASA-CASE-MFS-25134-1] c 31 N83-31895

LARGE SPACE TELESCOPE

- System for the measurement of ultra-low stray light levels
--- determining the adequacy of large space telescope
systems
[NASA-CASE-MFS-23513-1] c 74 N79-11865

LASER ALTIMETERS

- Sidelooking laser altimeter for a flight simulator
[NASA-CASE-ARC-11312-1] c 36 N83-34304

LASER APPLICATIONS

- High power laser apparatus and system
[NASA-CASE-XLE-2529-2] c 36 N75-27364
Fiber distributed feedback laser
[NASA-CASE-NPO-13531-1] c 36 N76-24553
Wind measurement system
[NASA-CASE-MFS-23362-1] c 47 N77-10753
Pseudo-backscatter laser Doppler velocimeter
employing antiparallel-reflector in the forward direction
[NASA-CASE-ARC-10970-1] c 36 N77-25501
Compact pulsed laser having improved heat
conductance
[NASA-CASE-NPO-13147-1] c 36 N77-25502
Laser extensometer
[NASA-CASE-MFS-19259-1] c 36 N78-14380
Apparatus for extraction and separation of a
preferentially photo-dissociated molecular isotope into
positive and negative ions by means of an electric field
[NASA-CASE-LEW-12465-1] c 25 N78-25148
Volumetric direct nuclear pumped laser
[NASA-CASE-LAR-12183-1] c 36 N79-18307
Method and apparatus for coating substrates using
lasers
[NASA-CASE-LEW-13526-1] c 26 N82-22347
Arrangement for damping the resonance in a laser
diode
[NASA-CASE-NPO-15980-1] c 36 N82-28618
Method of an apparatus for measuring temperature and
pressure --- remote sensing of the atmosphere
[NASA-CASE-GSC-12558-1] c 35 N82-29580
Ranging system --- industrial robotics
[NASA-CASE-NPO-15865-1] c 74 N83-12991
Rhomboid prism pair for rotating the plane of parallel
light beams
[NASA-CASE-ARC-11311-1] c 74 N83-13978
Dual laser optical system and method for studying fluid
flow
[NASA-CASE-MFS-25315-1] c 36 N83-29680

LASER CAVITIES

- Laser apparatus
[NASA-CASE-GSC-12237-1] c 36 N80-14384
Laser resonator
[NASA-CASE-GSC-12565-1] c 36 N82-24485

LASER DOPPLER VELOCIMETERS

- Dual wavelength scanning Doppler velocimeter ---
without perturbation of flow fields
[NASA-CASE-ARC-10637-1] c 35 N75-16783
Combined dual scatter, local oscillator laser Doppler
velocimeter
[NASA-CASE-ARC-10642-1] c 36 N76-14447
Focused laser Doppler velocimeter
[NASA-CASE-MFS-23178-1] c 35 N77-10493
Pseudo-backscatter laser Doppler velocimeter
employing antiparallel-reflector in the forward direction
[NASA-CASE-ARC-10970-1] c 36 N77-25501
Optical scanner --- laser doppler velocimeters
[NASA-CASE-LAR-11711-1] c 74 N78-17866
Versatile LDV burst simulator
[NASA-CASE-LAR-11859-1] c 35 N79-14349
Laser Doppler velocity simulator --- to induce frequency
shift
[NASA-CASE-LAR-12176-1] c 36 N80-16321
Direction sensitive laser velocimeter --- determining the
direction of particles using a helium-neon laser
[NASA-CASE-LAR-12177-1] c 36 N81-24422
Powder fed sheared dispersal particle generator
[NASA-CASE-LAR-12785-1] c 34 N82-24448
Scanning afocal laser velocimeter projection lens
system
[NASA-CASE-LAR-12328-1] c 36 N82-32712
Auto covariance computer
[NASA-CASE-LAR-12968-1] c 35 N83-34273

LASER DRILLING

- In-situ laser retorting of oil shale
[NASA-CASE-LEW-12217-1] c 43 N78-14452

LASER FUSION

- Laser surface fusion of plasma sprayed ceramic turbine
seals
[NASA-CASE-LEW-13269-1] c 18 N83-20996

LASER GUIDANCE

- Scanning afocal laser velocimeter projection lens
system
[NASA-CASE-LAR-12328-1] c 36 N82-32712

LASER GYROSCOPES

- Optical gyroscope system
[NASA-CASE-NPO-14258-1] c 35 N81-33448

LASER HEATING

- Electric power generation system directory from laser
power
[NASA-CASE-NPO-13308-1] c 36 N75-30524
Method and apparatus for shaping and enhancing
acoustical levitation forces
[NASA-CASE-MFS-25050-1] c 71 N81-15767

LASER INTERFEROMETRY

- Dual-beam skin friction interferometer
[NASA-CASE-ARC-11354-1] c 74 N83-21949

LASER MATERIALS

- Laser head for simultaneous optical pumping of several
dye lasers --- with single flash lamp
[NASA-CASE-LAR-11341-1] c 36 N75-19655

LASER MODE LOCKING

- Laser system with an antiresonant optical ring
[NASA-CASE-HQN-10844-1] c 36 N75-19653
Dually mode locked Nd YAG laser
[NASA-CASE-GSC-11746-1] c 36 N75-19654
Length controlled stabilized mode-lock Nd YAG laser
[NASA-CASE-GSC-11571-1] c 36 N77-25499
Geodetic distance measuring apparatus
[NASA-CASE-GSC-12609-2] c 36 N83-29681

LASER MODES

- Optical pump and driver system for lasers
[NASA-CASE-ERC-10283] c 16 N72-25485
Acoustically controlled distributed feedback laser
[NASA-CASE-NPO-13175-1] c 36 N75-31427

LASER OUTPUTS

- Method and apparatus for wavelength tuning of liquid
lasers
[NASA-CASE-ERC-10187] c 16 N69-31343
Laser Doppler system for measuring three dimensional
vector velocity Patent
[NASA-CASE-MFS-20386] c 21 N71-19212
Amplitude modulated laser transmitter Patent
[NASA-CASE-XMS-04269] c 16 N71-22895
Laser fluid velocity detector Patent
[NASA-CASE-XAC-10770-1] c 16 N71-24828
Laser calibrator Patent
[NASA-CASE-XLA-03410] c 16 N71-25914
Method and apparatus for optical modulating a light
signal Patent
[NASA-CASE-GSC-10216-1] c 23 N71-26722
Laser machining apparatus Patent
[NASA-CASE-HQN-10541-2] c 15 N71-27135
Optical frequency waveguide and transmission system
Patent
[NASA-CASE-HQN-10541-4] c 16 N71-27183
Laser communication system for controlling several
functions at a location remote to the laser
[NASA-CASE-LAR-10311-1] c 16 N73-16536

SUBJECT INDEX

- Power supply for carbon dioxide lasers
[NASA-CASE-GSC-11222-1] c 16 N73-32391
Thermomagnetic recording and magneto-optic playback
system having constant intensity laser beam control
[NASA-CASE-NPO-11317-2] c 36 N74-13205
Apparatus for scanning the surface of a cylindrical
body
[NASA-CASE-NPO-11861-1] c 36 N74-20009
Optically detonated explosive device
[NASA-CASE-NPO-11743-1] c 28 N74-27425
Clear air turbulence detector
[NASA-CASE-MFS-21244-1] c 36 N75-15028
Dually mode locked Nd YAG laser
[NASA-CASE-GSC-11746-1] c 36 N75-19654
Laser head for simultaneous optical pumping of several
dye lasers --- with single flash lamp
[NASA-CASE-LAR-11341-1] c 36 N75-19655
Acoustically controlled distributed feedback laser
[NASA-CASE-NPO-13175-1] c 36 N75-31427
Optical noise suppression device and method --- laser
light exposing film
[NASA-CASE-MSC-12640-1] c 74 N76-31998
Length controlled stabilized mode-lock Nd-YAG laser
[NASA-CASE-GSC-11571-1] c 36 N77-25499
Apparatus for photon excited catalysis
[NASA-CASE-NPO-13566-1] c 25 N77-32255
Method and apparatus for Doppler frequency modulation
of radiation
[NASA-CASE-NPO-14524-1] c 32 N80-24510
Method of and apparatus for double-exposure
holographic interferometry
[NASA-CASE-MFS-25405-1] c 35 N81-27459
Spatial energy distribution --- scanning a tunable diode
laser beam automatically
[NASA-CASE-LAR-12631-1] c 35 N82-18557
High power metallic halide laser --- amplifying a copper
chloride laser
[NASA-CASE-NPO-14782-1] c 36 N82-28616
Collimated beam manifold with the number of output
beams variable at a given output angle
[NASA-CASE-MFS-25312-1] c 74 N83-17305
- LASER PLASMAS**
Continuous plasma laser --- method and apparatus for
producing intense, coherent, monochromatic light from low
temperature plasma
[NASA-CASE-XNP-04167-3] c 36 N77-19416
- LASER PUMPING**
Laser apparatus
[NASA-CASE-GSC-12237-1] c 36 N80-14384
Large volume multiple-path nuclear pumped laser
[NASA-CASE-LAR-12592-1] c 36 N82-13415
A solar pumped laser
[NASA-CASE-LAR-12870-1] c 36 N82-25497
- LASER RANGE FINDERS**
Laser measuring system for incremental assemblies ---
measuring wire-wrapped frame assemblies in spark
chambers
[NASA-CASE-GSC-12321-1] c 36 N82-16396
Optical distance measuring instrument
[NASA-CASE-12761-1] c 74 N83-13982
- LASER RANGER/TRACKER**
Method and apparatus for aligning a laser beam projector
Patent
[NASA-CASE-NPO-11087] c 23 N71-29125
- LASER SPECTROSCOPY**
Stark effect spectrophone for continuous absorption
spectra monitoring --- a technique for gas analysis
[NASA-CASE-NPO-15102-1] c 25 N81-25159
- LASER WINDOWS**
Optical scanner --- laser doppler velocimeters
[NASA-CASE-LAR-11711-1] c 74 N78-17866
- LASERS**
Laser apparatus for removing material from rotating
objects Patent
[NASA-CASE-MFS-11279] c 16 N71-20400
Laser grating interferometer Patent
[NASA-CASE-XLA-04295] c 16 N71-24170
Optical frequency waveguide Patent
[NASA-CASE-HQN-10541-1] c 07 N71-26291
Laser camera and diffusion filter therefore Patent
[NASA-CASE-NPO-10417] c 16 N71-33410
Optical probing of supersonic flows with statistical
correlation
[NASA-CASE-MFS-20642] c 14 N72-21407
A technique for breaking ice in the path of a ship
[NASA-CASE-LAR-10815-1] c 16 N72-22520
Alignment apparatus using a laser having a
gravitationally sensitive cavity reflector
[NASA-CASE-ARC-10444-1] c 16 N73-33397
Tunable cavity resonator with ramp shaped supports
[NASA-CASE-HQN-10790-1] c 36 N74-11313
Short range laser obstacle detector --- for surface
vehicles using laser diode array
[NASA-CASE-NPO-11856-1] c 36 N74-15145
Long range laser traversing system
[NASA-CASE-GSC-11262-1] c 36 N74-21091

- Deep trap, laser activated image converting system
[NASA-CASE-NPO-13131-1] c 36 N75-19652
- Laser system with an antiresonant optical ring
[NASA-CASE-HQN-10844-1] c 36 N75-19653
- Acoustically controlled distributed feedback laser
[NASA-CASE-NPO-13175-1] c 36 N75-31427
- Method and apparatus for generating coherent radiation in the ultra-violet region and above by use of distributed feedback
[NASA-CASE-NPO-13346-1] c 36 N76-29575
- Polarization compensator for optical communications
[NASA-CASE-GSC-11782-1] c 74 N76-30053
- Gregonian all-reflective optical system
[NASA-CASE-GSC-12058-1] c 74 N77-26942
- Wideband heterodyne receiver for laser communication system
[NASA-CASE-GSC-12053-1] c 32 N77-28346
- Method and apparatus for splitting a beam of energy --- optical communication
[NASA-CASE-GSC-12083-1] c 73 N78-32848
- Shock isolator for operating a diode laser on a closed-cycle refrigerator
[NASA-CASE-GSC-12297-1] c 37 N79-28549
- Off-axis coherently pumped laser
[NASA-CASE-GSC-12592-1] c 36 N81-12407
- LATCHES**
- Despin weight release Patent
[NASA-CASE-XLA-00679] c 15 N70-38601
- Helmet assembly and latch means therefor Patent
[NASA-CASE-XMS-04935] c 05 N71-11190
- Quick disconnect latch and handle combination Patent
[NASA-CASE-MFS-11132] c 15 N71-17649
- Latching mechanism Patent
[NASA-CASE-XMS-03745] c 15 N71-21076
- Latch/ejector unit Patent
[NASA-CASE-XLA-03538] c 15 N71-24897
- Latching mechanism Patent
[NASA-CASE-MSC-15474-1] c 15 N71-26162
- Latch mechanism
[NASA-CASE-MSC-12549-1] c 37 N74-27903
- Latching device
[NASA-CASE-MFS-21606-1] c 37 N75-19685
- Load regulating latch
[NASA-CASE-MSC-19535-1] c 37 N77-32499
- Helmet latching and attaching ring
[NASA-CASE-XMS-04670] c 54 N78-17678
- Low temperature latching solenoid
[NASA-CASE-MSC-18106-1] c 33 N82-11357
- Hemispherical latching apparatus for payload retention
[NASA-CASE-MFS-25837] c 16 N82-31398
- Slide release mechanism --- for the external tank
[NASA-CASE-MSC-20080-1] c 37 N82-31688
- Connection system
[NASA-CASE-MSC-20319-1] c 37 N82-31689
- CAM controlled retractable door latch
[NASA-CASE-MSC-20304-1] c 37 N82-31690
- Mechanical end joint system for structural column elements
[NASA-CASE-LAR-12482-1] c 37 N82-32732
- LATERAL CONTROL**
- Three-axis controller Patent
[NASA-CASE-XAC-01404] c 05 N70-41581
- Roll attitude star sensor system Patent
[NASA-CASE-XNP-01307] c 21 N70-41856
- High speed flight vehicle control Patent
[NASA-CASE-XLA-08967] c 02 N71-27088
- Vortex-lift roll-control device
[NASA-CASE-LAR-11868-2] c 08 N79-14108
- Leading edge flap system for aircraft control augmentation
[NASA-CASE-LAR-12787-1] c 05 N82-25240
- LATERAL STABILITY**
- Annular wing
[NASA-CASE-FRC-11007-2] c 05 N82-26277
- LATEX**
- Molten salt pyrolysis of latex --- synthetic hydrocarbon fuel production using the Guayule shrub
[NASA-CASE-NPO-14315-1] c 27 N81-17261
- Process for preparation of large-particle-size monodisperse latexes
[NASA-CASE-MFS-25000-1] c 25 N81-19242
- LATHES**
- Apparatus for machining geometric cones Patent
[NASA-CASE-XMS-04292] c 15 N71-27222
- Lathe tool bit and holder for machining fiberglass materials
[NASA-CASE-XLA-10470] c 15 N72-21489
- LAUNCH ESCAPE SYSTEMS**
- Emergency escape system Patent
[NASA-CASE-XKS-02342] c 05 N71-11199
- Device for separating occupant from an ejection seat Patent
[NASA-CASE-XMS-04625] c 05 N71-20718
- LAUNCH VEHICLE CONFIGURATIONS**
- Rotating launch device for a remotely piloted aircraft
[NASA-CASE-ARC-10979-1] c 09 N77-19076
- LAUNCH VEHICLES**
- A support technique for vertically oriented launch vehicles
[NASA-CASE-XLA-02704] c 11 N69-21540
- Method and apparatus for detection and location of microleaks Patent
[NASA-CASE-XMF-02307] c 14 N71-10779
- LAUNCHING PADS**
- Missile launch release system Patent
[NASA-CASE-XMF-03198] c 30 N70-40353
- Remote controlled tubular disconnect Patent
[NASA-CASE-XLA-01396] c 03 N71-12259
- Validation device for spacecraft checkout equipment Patent
[NASA-CASE-XKS-10543] c 07 N71-26292
- LAY-UP**
- Method of making a partial interlaminar separation composite system
[NASA-CASE-LAR-12065-2] c 24 N81-33235
- LAYERS**
- Atomic hydrogen storage method and apparatus
[NASA-CASE-LEW-12081-1] c 28 N78-24365
- LEACHING**
- Process for the leaching of AP from propellant
[NASA-CASE-NPO-14109-1] c 28 N80-23471
- LEAD (METAL)**
- Lead-oxygen dc power supply system having a closed loop oxygen and water system
[NASA-CASE-MFS-23059-1] c 44 N76-27684
- Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-2] c 44 N81-29524
- Joining lead wires to thin platinum alloy films
[NASA-CASE-LEW-13934-1] c 35 N83-35338
- LEAD SULFIDES**
- Integrated photo-responsive metal oxide semiconductor circuit
[NASA-CASE-GSC-12782-1] c 33 N83-13360
- LEAD TELLURIDES**
- Bonding thermoelectric elements to nonmagnetic refractory metal electrodes
[NASA-CASE-XGS-04554] c 15 N69-39786
- Segmenting lead telluride-silicon germanium thermoelements Patent
[NASA-CASE-XGS-05718] c 26 N71-16037
- LEADING EDGE FLAPS**
- Leading edge vortex flaps for drag reduction --- during subsonic flight
[NASA-CASE-LAR-12750-1] c 02 N81-19016
- Leading edge flap system for aircraft control augmentation
[NASA-CASE-LAR-12787-1] c 05 N82-25240
- LEADING EDGES**
- Reentry vehicle leading edge Patent
[NASA-CASE-XLA-00165] c 31 N70-33242
- Leading edge curvature based on convective heating Patent
[NASA-CASE-XLA-01486] c 01 N71-23497
- Leading edge protection for composite blades
[NASA-CASE-LEW-12550-1] c 24 N77-19170
- Pumped vortex
[NASA-CASE-LAR-12615-1] c 02 N83-19715
- Rotor blade with passive tuned tab
[NASA-CASE-ARC-11444-1] c 02 N83-25663
- Piezoelectric deicing device
[NASA-CASE-LEW-13773-1] c 05 N83-29197
- LEAKAGE**
- Rocket chamber leak test fixture
[NASA-CASE-XFR-09479] c 14 N69-27503
- Method and apparatus for detection and location of microleaks Patent
[NASA-CASE-XMF-02307] c 14 N71-10779
- Leak detector Patent
[NASA-CASE-LAR-10323-1] c 12 N71-17573
- Hard space suit Patent
[NASA-CASE-XAC-07043] c 05 N71-23161
- Method for leakage testing of tanks Patent
[NASA-CASE-XMF-02392] c 32 N71-24285
- Leak detector wherein a probe is monitored with ultraviolet radiation Patent
[NASA-CASE-ERC-10034] c 15 N71-24896
- Method for detecting leaks in hermetically sealed containers Patent
[NASA-CASE-ERC-10045] c 15 N71-24910
- Method and apparatus for detecting gross leaks Patent
[NASA-CASE-ERC-10033] c 14 N71-26672
- Onifice gross leak tester Patent
[NASA-CASE-ERC-10150] c 14 N71-28992
- Leak detector
[NASA-CASE-MFS-21761-1] c 35 N75-15931
- Vacuum leak detector
[NASA-CASE-LAR-11237-1] c 35 N75-19612
- Low heat leak connector for cryogenic system
[NASA-CASE-XLE-02367-1] c 31 N79-21225
- Carbon granule probe microphone for leak detection
[NASA-CASE-NPO-16027-1] c 33 N83-29595
- Portable laser remote system for methane gas detection
[NASA-CASE-NPO-15790-1] c 36 N83-33137
- LEG (ANATOMY)**
- Actuator device for artificial leg
[NASA-CASE-MFS-23225-1] c 52 N77-14735
- Rotational joint assembly for the prosthetic leg
[NASA-CASE-KSC-11004-1] c 54 N77-30749
- Mechanical energy storage device for hip disarticulation
[NASA-CASE-ARC-10916-1] c 52 N78-10686
- LENS DESIGN**
- Chromatically corrected virtual image display --- lens design for flight simulators
[NASA-CASE-LAR-12251-1] c 74 N79-14892
- LENSES**
- High temperature lens construction Patent
[NASA-CASE-XNP-04111] c 14 N71-15622
- Image magnification adapter for cameras Patent
[NASA-CASE-XMF-03844-1] c 14 N71-26474
- Petzval type objective including field shaping lens Patent
[NASA-CASE-GSC-10700] c 23 N71-30027
- Method and apparatus for eliminating coherent noise in a coherent energy imaging system without destroying spatial coherence
[NASA-CASE-GSC-11133-1] c 23 N72-11568
- Plural beam antenna
[NASA-CASE-GSC-11013-1] c 09 N73-19234
- Spatial filter for Q-switched lasers
[NASA-CASE-LEW-12164-1] c 36 N77-32478
- Process for producing a well-adhered durable optical coating on an optical plastic substrate --- abrasion resistant polymethyl methacrylate lenses
[NASA-CASE-ARC-11039-1] c 74 N78-32854
- Chromatically corrected virtual image visual display --- reducing eye strain in flight simulators
[NASA-CASE-LAR-12251-1] c 74 N80-27185
- Constant magnification optical tracking system
[NASA-CASE-NPO-14813-1] c 74 N82-24072
- Scanning afocal laser velocimeter projection lens system
[NASA-CASE-LAR-12328-1] c 36 N82-32712
- Interferometric angle monitor
[NASA-CASE-GSC-12614-1] c 74 N83-32577
- LENTICULAR BODIES**
- Space and atmospheric reentry vehicle Patent
[NASA-CASE-XGS-00260] c 31 N70-37924
- LEVEL (HORIZONTAL)**
- Hot wire liquid level detector for cryogenic fluids Patent
[NASA-CASE-XLE-00454] c 23 N71-17802
- Rotary leveling base platform
[NASA-CASE-ARC-10981-1] c 37 N78-27425
- LEVEL (QUANTITY)**
- Spherical tank gauge Patent
[NASA-CASE-XMS-06236] c 14 N71-21007
- Positive dc to positive dc converter Patent
[NASA-CASE-XMF-14301] c 09 N71-23188
- LEVELING**
- Adjustable attitude guide device Patent
[NASA-CASE-XLA-07811] c 15 N71-15571
- Electrical switching device Patent
[NASA-CASE-NPO-10037] c 09 N71-19610
- Adjustable support
[NASA-CASE-NPO-10721] c 15 N72-27484
- Automatically operable self-leveling load table
[NASA-CASE-MFS-22039-1] c 09 N75-12968
- LEVITATION**
- Closed loop electrostatic system
[NASA-CASE-NPO-15553-1] c 33 N83-12335
- Gas levitator having fixed levitation node for containerless processing
[NASA-CASE-MFS-25509-1] c 35 N83-24828
- LIFE (DURABILITY)**
- Hollow rolling element bearings
[NASA-CASE-LEW-11087-3] c 37 N74-21064
- Method of increasing minority carrier lifetime in silicon web or the like
[NASA-CASE-NPO-15530-1] c 76 N83-35888
- LIFE DETECTORS**
- Use of the enzyme hexokinase for the reduction of inherent light levels
[NASA-CASE-XGS-05533] c 04 N69-27487
- Lyophilized reaction mixtures Patent
[NASA-CASE-XGS-05532] c 06 N71-17705
- LIFE RAFTS**
- Life raft Patent
[NASA-CASE-XMS-00863] c 05 N70-34857
- Life raft stabilizer
[NASA-CASE-MSC-12393-1] c 02 N73-26006
- Modification of one man life raft
[NASA-CASE-LAR-10241-1] c 54 N74-14845

LIFE SUPPORT SYSTEMS

Shock absorbing support and restraint means Patent
[NASA-CASE-XMS-01240] c 05 N70-35152

Portable environmental control system Patent
[NASA-CASE-XMS-09632-1] c 05 N71-11203

Extravehicular tunnel suit system Patent
[NASA-CASE-MS-12243-1] c 05 N71-24728

Foreshortened convolute section for a pressurized suit Patent
[NASA-CASE-XMS-09637-1] c 05 N71-24730

Orbital escape device Patent
[NASA-CASE-XMS-06162] c 31 N71-28851

Specialized halogen generator for purification of water Patent
[NASA-CASE-XLA-08913] c 14 N71-28933

Life support system
[NASA-CASE-MS-12411-1] c 05 N72-20096

Air removal device
[NASA-CASE-XLA-8914] c 15 N73-12492

Space suit
[NASA-CASE-MS-12609-1] c 05 N73-32012

Catalyst cartridge for carbon dioxide reduction unit
[NASA-CASE-LAR-10551-1] c 25 N74-12813

Helmet feedport
[NASA-CASE-XMS-09653] c 54 N78-17680

Cooling system for removing metabolic heat from an hermetically sealed spacesuit
[NASA-CASE-ARC-11059-1] c 54 N78-32721

Air removal device --- life support systems
[NASA-CASE-XLA-8914-2] c 25 N82-21269

LIFT
Slotted variable camber flap
[NASA-CASE-LAR-12541-1] c 05 N82-18203

Pumped vortex
[NASA-CASE-LAR-12615-1] c 02 N83-19715

LIFT DEVICES
Device for handling heavy loads
[NASA-CASE-XNP-04969] c 11 N69-27466

Recoverable rocket vehicle Patent
[NASA-CASE-XMF-00389] c 31 N70-34176

Direct lift control system Patent
[NASA-CASE-LAR-10249-1] c 02 N71-26110

Ferry system
[NASA-CASE-LAR-10574-1] c 11 N73-13257

High lift aircraft --- with improved stability, control, performance, and noise characteristics
[NASA-CASE-LAR-11252-1] c 05 N75-25914

Device for installing rocket engines
[NASA-CASE-MFS-19220-1] c 20 N76-22296

Vortex-lift roll-control device
[NASA-CASE-LAR-11868-2] c 08 N79-14108

LIFT DRAG RATIO
Ring wing tension vehicle Patent
[NASA-CASE-XLA-04901] c 31 N71-24315

Annular wing
[NASA-CASE-FRC-11007-2] c 05 N82-26277

LIFTING BODIES
Recoverable rocket vehicle Patent
[NASA-CASE-XMF-00389] c 31 N70-34176

Lifting body Patent Application
[NASA-CASE-FRC-10063] c 01 N71-12217

Lift balancing device
[NASA-CASE-LAR-10348-1] c 11 N73-12264

LIFTING REENTRY VEHICLES
Space and atmospheric reentry vehicle Patent
[NASA-CASE-XGS-00260] c 31 N70-37924

Variable geometry manned orbital vehicle Patent
[NASA-CASE-XLA-03691] c 31 N71-15674

Flight craft Patent
[NASA-CASE-XAC-02058] c 02 N71-16087

LIGHT (VISIBLE RADIATION)
Anti-glare improvement for optical imaging systems Patent
[NASA-CASE-NPO-10337] c 14 N71-15604

Maksutov spectrograph Patent
[NASA-CASE-XLA-10402] c 14 N71-29041

Combustion detector
[NASA-CASE-LAR-10739-1] c 14 N73-16484

Optical fiber tactile sensor
[NASA-CASE-NPO-15375-1] c 74 N83-18485

LIGHT AIRCRAFT
Direct lift control system Patent
[NASA-CASE-LAR-10249-1] c 02 N71-26110

LIGHT BEAMS
Spectroscope equipment using a slender cylindrical reflector as a substitute for a slit Patent
[NASA-CASE-XGS-08269] c 23 N71-26206

Optical communications system Patent
[NASA-CASE-XLA-01090] c 16 N71-28963

Multiple hologram recording and readout system Patent
[NASA-CASE-ERC-10151] c 16 N71-29131

Rhomboid prism pair for rotating the plane of parallel light beams
[NASA-CASE-ARC-11311-1] c 74 N83-13978

Collimated beam manifold with the number of output beams variable at a given output angle
[NASA-CASE-MFS-25312-1] c 74 N83-17305

LIGHT EMITTING DIODES
Photoelectric detection system --- manufacturing automation
[NASA-CASE-MFS-23776-1] c 33 N82-28545

Heads up display
[NASA-CASE-LAR-12630-1] c 06 N82-29319

LIGHT GAS GUNS
Hypervelocity gun Patent
[NASA-CASE-XAC-05902] c 11 N71-18578

LIGHT MODULATION
Retrodirective modulator Patent
[NASA-CASE-GSC-10062] c 14 N71-15605

Light intensity modulator controller Patent
[NASA-CASE-XMS-04300] c 09 N71-19479

Method and apparatus for optical modulating a light signal Patent
[NASA-CASE-GSC-10216-1] c 23 N71-26722

Optical communications system Patent
[NASA-CASE-XLA-01090] c 16 N71-28963

Lamp modulator
[NASA-CASE-KSC-10565] c 09 N72-25250

Polarization compensator for optical communications
[NASA-CASE-GSC-11782-1] c 74 N76-30053

Method and apparatus for Doppler frequency modulation of radiation
[NASA-CASE-NPO-14524-1] c 32 N80-24510

Fluorescent radiation converter
[NASA-CASE-GSC-12528-1] c 74 N81-24900

LIGHT SCATTERING
The 2 deg/90 deg laboratory scattering photometer --- particulate refractivity in hydrosols
[NASA-CASE-GSC-12088-1] c 74 N78-13874

LIGHT SCATTERING METERS
System for the measurement of ultra-low stray light levels --- determining the adequacy of large space telescope systems
[NASA-CASE-MFS-23513-1] c 74 N79-11865

LIGHT SOURCES
Light radiation direction indicator with a baffle of two parallel gnds
[NASA-CASE-XNP-03930] c 14 N69-24331

High intensity heat and light unit Patent
[NASA-CASE-XLA-00141] c 09 N70-33312

Photosensitive device to detect bearing deviation Patent
[NASA-CASE-XNP-00438] c 21 N70-35089

Light position locating system Patent
[NASA-CASE-XNP-01059] c 23 N71-21821

Optical systems having spatially invariant outputs
[NASA-CASE-ERC-10248] c 14 N72-17323

Ultra-stable calibrated light source
[NASA-CASE-MS-12293-1] c 14 N72-27411

Temperature compensated light source using a light emitting diode
[NASA-CASE-ARC-10467-1] c 09 N73-14214

Interferometric rotation sensor
[NASA-CASE-ARC-10278-1] c 14 N73-25463

Attitude sensor
[NASA-CASE-LAR-10586-1] c 19 N74-15089

Very high intensity light source using a cathode ray tube --- electron beams
[NASA-CASE-XNP-01296] c 33 N75-27250

Electric arc light source having undercut recessed anode
[NASA-CASE-ARC-10266-1] c 33 N75-29318

Uniform variable light source
[NASA-CASE-NPO-11429-1] c 74 N77-21941

LIGHT TRANSMISSION
Hybrid holographic system using reflected and transmitted object beams simultaneously Patent
[NASA-CASE-MFS-20074] c 16 N71-15565

Optical characteristics measuring apparatus Patent
[NASA-CASE-XNP-08840] c 23 N71-16365

Optical monitor panel Patent
[NASA-CASE-XKS-03509] c 14 N71-23175

Solar cell panels with light transmitting plate
[NASA-CASE-NPO-10747] c 03 N72-22042

Optical frequency waveguide and transmission system
[NASA-CASE-HQN-10541-3] c 23 N72-23695

Light regulator
[NASA-CASE-LAR-10836-1] c 26 N72-27784

Transmitting and reflecting diffuser --- for ultraviolet light
[NASA-CASE-LAR-10385-2] c 70 N74-13436

Optical instrument employing reticle having preselected visual response pattern formed thereon
[NASA-CASE-ARC-10976-1] c 74 N71-22950

Transmitting and reflecting diffuser --- using ultraviolet grade fused silica coatings
[NASA-CASE-LAR-10385-3] c 74 N78-15879

Constant magnification optical tracking system
[NASA-CASE-NPO-14813-1] c 74 N82-24072

LIGHT VALVES

Wide dynamic range video camera
[NASA-CASE-MFS-25750-1] c 33 N83-35229

LIGHTING EQUIPMENT
Internal work light Patent
[NASA-CASE-XKS-05932] c 09 N71-26787

Pressurized lighting system
[NASA-CASE-KSC-10644] c 09 N72-27227

Remote lightning monitor system
[NASA-CASE-KSC-11031-1] c 33 N79-11315

LIGHTNING
Determining distance to lightning strokes from a single station
[NASA-CASE-KSC-10698] c 07 N73-20175

Lightning tracking system
[NASA-CASE-KSC-10729-1] c 09 N73-32110

Automatic lightning detection and photographic system
[NASA-CASE-KSC-10728-1] c 14 N73-32319

Lightning current measuring systems
[NASA-CASE-KSC-10807-1] c 33 N75-26246

Lightning current waveform measuring system
[NASA-CASE-KSC-11018-1] c 33 N79-10337

Lightning current detector
[NASA-CASE-KSC-11057-1] c 33 N79-14305

Lightning discharge identification system
[NASA-CASE-KSC-11099-1] c 47 N82-24779

LIMBS (ANATOMY)
Prosthesis coupling
[NASA-CASE-KSC-11069-1] c 52 N79-26772

Apparatus for determining changes in limb volume
[NASA-CASE-MS-18759-1] c 52 N83-27578

LIMITER CIRCUITS
Variable duration pulse integrator Patent
[NASA-CASE-XLA-01219] c 10 N71-23084

Noise limiter Patent
[NASA-CASE-NPO-10169] c 10 N71-24844

Velocity limiting safety system Patent
[NASA-CASE-XLA-07473] c 15 N71-24895

Low level signal limiter
[NASA-CASE-XLE-04791] c 32 N74-22096

Inrush current limiter
[NASA-CASE-GSC-11789-1] c 33 N77-14333

LINE OF SIGHT
Retinally stabilized differential resolution television display
[NASA-CASE-JPO-15432-1] c 32 N83-12308

LINE SPECTRA
Stark cell optoacoustic detection of constituent gases in sample
[NASA-CASE-NPO-14143-1] c 25 N81-14015

LINEAR ACCELERATORS
Linear accelerator frequency control system Patent
[NASA-CASE-XGS-05441] c 10 N71-22962

LINEAR ARRAYS
Multispectral imaging and analysis system --- using charge coupled devices and linear arrays
[NASA-CASE-NPO-13691-1] c 43 N79-17288

LINEAR INTEGRATED CIRCUITS
Integrating IR detector imaging systems
[NASA-CASE-NPO-15805-1] c 74 N83-20757

LINEAR POLARIZATION
Wide dynamic range video camera
[NASA-CASE-MFS-25750-1] c 33 N83-35229

LINEAR RECEIVERS
Antenna array at focal plane of reflector with coupling network for beam switching Patent
[NASA-CASE-GSC-10220-1] c 07 N71-27233

LINEAR SYSTEMS
Linear three-tap feedback shift register Patent
[NASA-CASE-NPO-10351] c 08 N71-12503

A m-ary linear feedback shift register with binary logic
[NASA-CASE-NPO-11868] c 10 N73-20254

Reciprocating linear motor
[NASA-CASE-GSC-12773-1] c 33 N83-12332

Linear magnetic bearings
[NASA-CASE-GSC-12582-2] c 37 N83-13460

LINEARITY
Semi-linear ball bearing Patent
[NASA-CASE-XLA-02809] c 15 N71-22982

Mechanical actuator Patent
[NASA-CASE-XGS-04548] c 15 N71-24045

Linear magnetic bearing
[NASA-CASE-GSC-12517-1] c 37 N83-32067

LININGS
Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-1] c 27 N82-29453

Steam cooled nch-burn combustor liner
[NASA-CASE-LEW-13609-1] c 25 N83-17628

Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-3] c 37 N83-28450

LINKAGES

- Collapsible nozzle extension for rocket engines Patent
[NASA-CASE-MFS-11497] c 28 N71-16224
- Adjustable force probe
[NASA-CASE-MFS-20760] c 14 N72-33377
- Locking redundant link
[NASA-CASE-LAR-11900-1] c 37 N79-14382
- Compensating linkage for main rotor control
[NASA-CASE-LAR-11797-1] c 05 N81-19087

LIQUEFACTION

- Ophthalmic liquefaction pump
[NASA-CASE-LEW-12051-1] c 52 N75-33640

LIQUID ATOMIZATION

- Improved constant-output atomizer
[NASA-CASE-MFS-25631-1] c 34 N82-10360

LIQUID BEARINGS

- High speed hybrid bearing comprising a fluid bearing and a rolling bearing connected in series
[NASA-CASE-LEW-11152-1] c 15 N73-32359

LIQUID CHROMATOGRAPHY

- A spillage detector for liquid chromatography systems
[NASA-CASE-MSC-20206-1] c 25 N83-29325

LIQUID COOLING

- Water cooled contactor for anode in carbon arc mechanism
[NASA-CASE-XMS-03700] c 15 N69-24266
- External liquid-spray cooling of turbine blades Patent
[NASA-CASE-XLE-00037] c 28 N70-33372
- Solenoid construction Patent
[NASA-CASE-XNP-01951] c 09 N70-41929
- Laminar flow enhancement Patent
[NASA-CASE-NPO-10122] c 12 N71-17631
- Space suit heat exchanger Patent
[NASA-CASE-XMS-09571] c 05 N71-19439
- Power system with heat pipe liquid coolant lines Patent
[NASA-CASE-MFS-14114-2] c 09 N71-24807
- Power system with heat pipe liquid coolant lines Patent
[NASA-CASE-MFS-14114] c 33 N71-27862
- Liquid spray cooling method Patent
[NASA-CASE-XLE-00027] c 33 N71-29152
- Automatic control of liquid cooling garment by cutaneous and external auditory meatus temperatures
[NASA-CASE-MSC-13917-1] c 05 N72-15098
- Temperature controller for a fluid cooled garment
[NASA-CASE-ARC-10599-1] c 05 N73-26071
- Heat exchanger system and method
[NASA-CASE-LAR-10799-2] c 34 N76-17317
- Liquid cooled brassiere and method of diagnosing malignant tumors therewith
[NASA-CASE-ARC-11007-1] c 52 N77-14736
- Closed loop spray cooling apparatus --- for particle accelerator targets
[NASA-CASE-LEW-11981-1] c 31 N78-17237

LIQUID CRYSTALS

- Angular velocity and acceleration measuring apparatus
[NASA-CASE-XLE-02624] c 14 N72-25410
- Electricity measurement devices employing liquid crystalline materials
[NASA-CASE-ERC-10275] c 26 N72-25680

LIQUID FILLED SHELLS

- Liquid rocket system Patent
[NASA-CASE-XNP-00610] c 28 N70-36910
- Fluid sample collector Patent
[NASA-CASE-XMS-06767-1] c 14 N71-20435
- Fluid containers and resealable septum therefor Patent
[NASA-CASE-NPO-10123] c 15 N71-24835
- Omnidirectional acceleration device Patent
[NASA-CASE-HQN-10780] c 14 N71-30265

LIQUID FLOW

- Reduced gravity liquid configuration simulator
[NASA-CASE-XLE-02624] c 12 N69-39988
- Liquid junction and method of fabricating the same Patent Application
[NASA-CASE-NPO-10682] c 15 N70-34699
- Valve actuator Patent
[NASA-CASE-XHQ-01208] c 15 N70-35409
- Fluid coupling Patent
[NASA-CASE-XLE-00397] c 15 N70-36492
- Positive displacement flowmeter Patent
[NASA-CASE-XMF-02822] c 14 N70-41994
- Liquid flow sight assembly Patent
[NASA-CASE-XLE-02998] c 14 N70-42074
- Ablative system
[NASA-CASE-LEW-10359-2] c 33 N73-25952
- Zero gravity liquid transfer screen
[NASA-CASE-KSC-10626] c 14 N73-27378
- System for measuring Reynolds in a turbulently flowing fluid --- signal processing
[NASA-CASE-ARC-10755-2] c 34 N76-27517
- Degassifying and mixing apparatus for liquids --- potable water for spacecraft
[NASA-CASE-MSC-18936-1] c 35 N83-29652

LIQUID HELIUM

- Heat operated cryogenic electrical generator
[NASA-CASE-NPO-13303-1] c 20 N75-24837
- Helium refrigerator
[NASA-CASE-NPO-13435-1] c 31 N76-14284
- Cryostat system for temperatures on the order of 2 deg K or less
[NASA-CASE-NPO-13459-1] c 31 N77-10229
- Multistation refrigeration system
[NASA-CASE-NPO-13839-1] c 31 N78-25256
- Stabilization of He2(a 3 Sigma u+ molecules in liquid helium by optical pumping for vacuum UV laser 6
[NASA-CASE-NPO-13993-1] c 72 N79-13826
- Low cost cryostat
[NASA-CASE-NPO-14513-1] c 35 N81-14287

LIQUID HYDROGEN

- Cryogenic thermal insulation Patent
[NASA-CASE-XMF-05046] c 33 N71-28892
- Reinforced polyquinoxaline gasket and method of preparing the same --- resistant to ionizing radiation and liquid hydrogen temperatures
[NASA-CASE-MFS-21364-1] c 37 N74-18126

LIQUID INJECTION

- Thrust vector control apparatus Patent
[NASA-CASE-XLE-00208] c 28 N70-34294
- Control system for rocket vehicles Patent
[NASA-CASE-XLA-01163] c 21 N71-15582
- Injector assembly for liquid fueled rocket engines Patent
[NASA-CASE-XMF-00968] c 28 N71-15660
- Sodium storage and injection system
[NASA-CASE-NPO-14384-1] c 37 N80-10494
- Method of producing silicon --- gas phase reactor multiple injector liquid feed system
[NASA-CASE-NPO-14382-1] c 31 N80-18231

LIQUID LASERS

- Method and apparatus for wavelength tuning of liquid lasers
[NASA-CASE-ERC-10187] c 16 N69-31343

LIQUID LEVELS

- Inductive liquid level detection system Patent
[NASA-CASE-XLE-01609] c 14 N71-10500
- Apparatus for fiber optic liquid level sensing
[NASA-CASE-MSC-18674-1] c 74 N81-24907

LIQUID METALS

- Slug flow magnetohydrodynamic generator
[NASA-CASE-XNP-02083] c 03 N69-39983
- Two-fluid magnetohydrodynamic system and method for thermal-electric power conversion Patent
[NASA-CASE-XNP-00644] c 03 N70-36803
- Analytical test apparatus and method for determining oxide content of alkali metal Patent
[NASA-CASE-XLE-01997] c 06 N71-23527
- Power system with heat pipe liquid coolant lines Patent
[NASA-CASE-MFS-14114] c 33 N71-27862
- Fluid impervious barrier including liquid metal alloy and method of making same Patent
[NASA-CASE-XNP-08881] c 17 N71-28747
- Shell side liquid metal boiler
[NASA-CASE-NPO-10831] c 33 N72-20915
- Method for distillation of liquids
[NASA-CASE-XNP-08124-2] c 06 N73-13129
- Electromagnetic flow rate meter --- for liquid metals
[NASA-CASE-LEW-10981-1] c 35 N74-21018
- Process for preparing liquid metal electrical contact device
[NASA-CASE-LEW-11978-1] c 33 N77-26385
- Solar driven liquid metal MHD power generator
[NASA-CASE-LAR-12495-1] c 44 N83-28573

LIQUID NITROGEN

- Cryogenic feedthrough
[NASA-CASE-LAR-10031] c 15 N72-22484

LIQUID OXYGEN

- Dye penetrant for surfaces subsequently contacted by liquid oxygen Patent
[NASA-CASE-XMF-02221] c 18 N71-27170

LIQUID PHASES

- Fluid dispensing apparatus and method Patent
[NASA-CASE-XLE-01182] c 27 N71-15635
- Hydraulic casting of liquid polymers Patent
[NASA-CASE-XNP-07659] c 06 N71-22975
- Fluid phase analyzer Patent
[NASA-CASE-NPO-10691] c 14 N71-26199
- Cryogenic liquid sensor
[NASA-CASE-NPO-10619-1] c 35 N77-21393

LIQUID PROPELLANT ROCKET ENGINES

- Annular rocket motor and nozzle configuration Patent
[NASA-CASE-XLE-00078] c 28 N70-33284
- Attitude and propellant flow control system and method Patent
[NASA-CASE-XMF-00185] c 21 N70-34539
- Injector for bipropellant rocket engines Patent
[NASA-CASE-XMF-00148] c 28 N70-38710

Zero gravity starting means for liquid propellant motors

- Patent
[NASA-CASE-XNP-01390] c 28 N70-41275
- Supersonic-combustion rocket
[NASA-CASE-LEW-11058-1] c 20 N74-13502
- Space vehicle
[NASA-CASE-MFS-22734-1] c 18 N75-19329
- Fluid thrust control system --- for liquid propellant rocket engines
[NASA-CASE-XMF-05964-1] c 20 N79-21124
- Rocket injector head
[NASA-CASE-XMF-04592-1] c 20 N79-21125
- Low thrust monopropellant engine
[NASA-CASE-GSC-12194-2] c 20 N82-18314

LIQUID ROCKET PROPELLANTS

- Rocket propellant injector Patent
[NASA-CASE-XLE-00103] c 28 N70-33241
- Liquid rocket system Patent
[NASA-CASE-XNP-00610] c 28 N70-36910
- Rocket motor system Patent
[NASA-CASE-XLE-00323] c 28 N70-38505
- High temperature spark plug Patent
[NASA-CASE-XLE-00660] c 28 N70-39925
- High pressure filter Patent
[NASA-CASE-XNP-00732] c 28 N70-41447
- Liquid storage tank venting device for zero gravity environment Patent
[NASA-CASE-XLE-01449] c 15 N70-41646
- Tank construction for space vehicles Patent
[NASA-CASE-XMF-01899] c 31 N70-41948
- Fluid dispensing apparatus and method Patent
[NASA-CASE-XLE-01182] c 27 N71-15635
- Control valve and co-axial variable injector Patent
[NASA-CASE-XNP-09702] c 15 N71-17654
- Slosh alleviator Patent
[NASA-CASE-XLA-05749] c 15 N71-19569
- Filler valve Patent
[NASA-CASE-XNP-01747] c 15 N71-23024
- Propellant mass distribution metering apparatus Patent
[NASA-CASE-NPO-10185] c 10 N71-26339
- Fluid impervious barrier including liquid metal alloy and method of making same Patent
[NASA-CASE-XNP-08881] c 17 N71-28747
- Response analyzers for sensors Patent
[NASA-CASE-MFS-11204] c 14 N71-29134
- Passive propellant system
[NASA-CASE-MFS-23642-1] c 20 N80-10278
- Supercharged topping rocket propellant feed system
[NASA-CASE-XLE-02062-1] c 20 N80-14188

LIQUID SLOSHING

- Slosh suppressing device and method Patent
[NASA-CASE-XMF-00658] c 12 N70-38997
- Flexible ring slosh damping baffle Patent
[NASA-CASE-LAR-10317-1] c 32 N71-16103
- Buoyant anti-slosh system Patent
[NASA-CASE-XLA-04605] c 32 N71-16106
- Hot wire liquid level detector for cryogenic fluids Patent
[NASA-CASE-XLE-00454] c 23 N71-17802
- Slosh alleviator Patent
[NASA-CASE-XLA-05749] c 15 N71-19569
- Instrument for measuring the dynamic behavior of liquids Patent
[NASA-CASE-XLA-05541] c 12 N71-26387

LIQUID SODIUM

- Sodium storage and injection system
[NASA-CASE-NPO-14384-1] c 37 N80-10494

LIQUID-GAS MIXTURES

- Liquid-gas separation system Patent
[NASA-CASE-XMS-01624] c 15 N70-40062
- Liquid-gas separator for zero gravity environment Patent
[NASA-CASE-XMS-01492] c 05 N70-41297
- Liquid storage tank venting device for zero gravity environment Patent
[NASA-CASE-XLE-01449] c 15 N70-41646
- Separator Patent
[NASA-CASE-XLA-00415] c 15 N71-16079
- Vapor liquid separator Patent
[NASA-CASE-XMF-04042] c 15 N71-23023
- Air removal device --- life support systems
[NASA-CASE-XLA-8914-2] c 25 N82-21269

LIQUID-VAPOR INTERFACES

- Zero gravity separator Patent
[NASA-CASE-XLE-00586] c 15 N71-15968
- Rotating shaft seal Patent
[NASA-CASE-XNP-02862-1] c 15 N71-26294
- Response analyzers for sensors Patent
[NASA-CASE-MFS-11204] c 14 N71-29134
- Acoustic bubble removal method
[NASA-CASE-NPO-15334-1] c 71 N83-35781

LIQUIDS

- Liquid-gas separation system Patent
[NASA-CASE-XMS-01624] c 15 N70-40062

- Electrical switching device Patent
[NASA-CASE-NPO-10037] c 09 N71-19610
- Method and apparatus for distillation of liquids Patent
[NASA-CASE-XNP-08124] c 15 N71-27184
- Apparatus for detecting the amount of material in a resonant cavity container Patent
[NASA-CASE-XNP-02500] c 18 N71-27397
- Resonant infrasonic gauging apparatus
[NASA-CASE-MSC-11847-1] c 14 N72-11363
- Ablative system
[NASA-CASE-LEW-10359] c 33 N72-25911
- Liquid waste feed system
[NASA-CASE-LAR-10365-1] c 05 N72-27102
- Zero gravity liquid mixer
[NASA-CASE-LAR-10195-1] c 15 N73-19458
- Bi-metallic fluid displacement apparatus --- for stirring and heating stored gases and liquids
[NASA-CASE-ARC-10441-1] c 35 N74-15126
- Method and device for detection of surface discontinuities or defects
[NASA-CASE-MSC-14187-1] c 35 N74-32879
- Automatic liquid inventory collecting and dispensing unit
[NASA-CASE-LAR-11071-1] c 35 N75-19811
- Thermal energy storage system --- operating on superheating of liquids
[NASA-CASE-MFS-23167-1] c 44 N76-31667
- Low gravity phase separator
[NASA-CASE-MSC-14773-1] c 35 N78-12390
- Automatic fluid dispenser
[NASA-CASE-ARC-10820-1] c 35 N78-19466
- Liquid-immersible electrostatic ultrasonic transducer
[NASA-CASE-LAR-12465-1] c 33 N82-26572
- System for monitoring physical characteristics of fluids
[NASA-CASE-NPO-15400-1] c 34 N83-31893
- LITHIUM COMPOUNDS**
- Novel polymers and method of preparing same
[NASA-CASE-NPO-10998-1] c 06 N73-32029
- LOAD DISTRIBUTION (FORCES)**
- Force measuring instrument Patent
[NASA-CASE-XMF-00456] c 14 N70-34705
- Multiple Belleville spring assembly Patent
[NASA-CASE-XNP-00840] c 15 N70-38225
- Device for use in loading tension members --- characterized by elongated elastic body
[NASA-CASE-MFS-21488-1] c 14 N75-24794
- Pneumatic load compensating or controlling system
[NASA-CASE-ARC-10907-1] c 37 N75-32465
- LOAD TESTING MACHINES**
- Load cell protection device Patent
[NASA-CASE-XMS-06782] c 32 N71-15974
- Load relieving device Patent
[NASA-CASE-XMS-06329-1] c 15 N71-20441
- Method and apparatus for tensile testing of metal foil
[NASA-CASE-LAR-10208-1] c 35 N76-18400
- Fatigue failure load indicator
[NASA-CASE-LAR-12027-1] c 39 N79-22537
- LOAD TESTS**
- Differential pressure cell Patent
[NASA-CASE-XAC-00042] c 14 N70-34816
- Method and apparatus for transfer function simulator for testing complex systems
[NASA-CASE-NPO-15696-1] c 36 N82-28619
- Portable 90 deg proof loading device
[NASA-CASE-MSC-02250-1] c 37 N83-29707
- LOADING OPERATIONS**
- Air bearing Patent
[NASA-CASE-XMF-01887] c 15 N71-10617
- LOADS (FORCES)**
- Device for handling heavy loads
[NASA-CASE-XNP-04969] c 11 N69-27466
- Two-plane balance Patent
[NASA-CASE-XAC-00073] c 14 N70-34813
- Method of improving the reliability of a rolling element system Patent
[NASA-CASE-XLE-02999] c 15 N71-16052
- Load relieving device Patent
[NASA-CASE-XMS-06329-1] c 15 N71-20441
- Dual latching solenoid valve Patent
[NASA-CASE-XMS-05890] c 09 N71-23191
- Transverse piezoresistance and pinch effect electromechanical transducers Patent
[NASA-CASE-ERC-10088] c 26 N71-25490
- Turn on transient limiter Patent
[NASA-CASE-GSC-10413] c 10 N71-26531
- Synchronous dc direct drive system Patent
[NASA-CASE-GSC-10065-1] c 10 N71-27136
- Force-balanced, throttle valve Patent
[NASA-CASE-NPO-10808] c 15 N71-27432
- Energy absorption device Patent
[NASA-CASE-XNP-01848] c 15 N71-28959
- Air bearing
[NASA-CASE-WLP-10002] c 15 N72-17451
- Device for measuring bearing preload
[NASA-CASE-MFS-20434] c 11 N72-25288
- Variable direction force coupler
[NASA-CASE-MFS-20317] c 15 N73-13463
- Ergometer
[NASA-CASE-MFS-21109-1] c 05 N73-27941
- Three-axis adjustable loading structure
[NASA-CASE-FRC-10051-1] c 35 N74-13129
- G-load measuring and indicator apparatus --- for aircraft
[NASA-CASE-ARC-10806] c 06 N74-27872
- Spring operated accelerator and constant force spring mechanism therefor
[NASA-CASE-ARC-10898-1] c 35 N77-18417
- Penetrometer --- for determining load bearing characteristics of inclined surfaces
[NASA-CASE-NPO-11103-1] c 35 N77-27367
- Load regulating latch
[NASA-CASE-MSC-19535-1] c 37 N77-32499
- LOCATES SYSTEM**
- Lightning tracking system
[NASA-CASE-KSC-10729-1] c 09 N73-32110
- Position determination systems --- using orbital antenna scan of celestial bodies
[NASA-CASE-MSC-12593-1] c 17 N76-21250
- LOCKING**
- Coupling device
[NASA-CASE-XMS-07846-1] c 09 N69-21927
- Interlocking wedge joint
[NASA-CASE-LAR-12729-1] c 37 N82-26676
- Variable length strut with longitudinal compliance and locking capability --- constructing truss and beam structures in space and interconnecting an orbit transfer vehicle and a payload
[NASA-CASE-MFS-25907-1] c 37 N83-31019
- LOCKS (FASTENERS)**
- Locking device with rolling detents Patent
[NASA-CASE-XMF-01371] c 15 N70-41829
- Bearing and gimbal lock mechanism and spiral flex lead module Patent
[NASA-CASE-GSC-10558-1] c 31 N71-26537
- Locking device for turbine rotor blades Patent
[NASA-CASE-XNP-00816] c 28 N71-28928
- Film feed camera having a detent means Patent
[NASA-CASE-LAR-10686] c 14 N71-28935
- Safety-type locking pin
[NASA-CASE-MFS-18495] c 15 N72-11385
- Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-1] c 54 N76-22914
- Portable appliance security apparatus
[NASA-CASE-GSC-12399-1] c 33 N81-25299
- Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-2] c 52 N81-25661
- High temperature penetrator assembly with bayonet plug and ramp-activated lock
[NASA-CASE-MSC-18526-1] c 37 N82-24494
- Self-locking mechanical center joint --- for space construction
[NASA-CASE-LAR-12864-1] c 37 N82-29606
- Aircraft canopy lock
[NASA-CASE-FRC-11065-1] c 05 N83-19737
- LOCOMOTION**
- Jet shoes
[NASA-CASE-XLA-08491] c 05 N69-21380
- Training vehicle for controlling attitude Patent
[NASA-CASE-XMS-02977] c 11 N71-10746
- Restraint torso for a pressurized suit
[NASA-CASE-MSC-12397-1] c 05 N72-25119
- Kinesimetric method and apparatus
[NASA-CASE-MSC-18929-1] c 39 N83-20280
- LOGARITHMIC RECEIVERS**
- Logarithmic circuit with wide dynamic range
[NASA-CASE-GSC-12145-1] c 33 N78-32339
- LOGARITHMS**
- Logarithmic function generator utilizing an exponentially varying signal in an inverse manner
[NASA-CASE-ERC-10267] c 09 N72-23173
- LOGIC CIRCUITS**
- A method for selective gold diffusion of monolithic silicon devices and/or circuits Patent application
[NASA-CASE-ERC-10072] c 09 N70-11148
- Relay binary circuit Patent
[NASA-CASE-XMF-00421] c 09 N70-34502
- Binary to binary-coded-decimal converter Patent
[NASA-CASE-XNP-00432] c 08 N70-35423
- Analog-to-digital conversion system Patent
[NASA-CASE-XAC-00404] c 08 N70-40125
- Data processor having multiple sections activated at different times by selective power coupling to the sections Patent
[NASA-CASE-XGS-04767] c 08 N71-12494
- Binary sequence detector Patent
[NASA-CASE-XNP-05415] c 08 N71-12505
- AC logic flip-flop circuits Patent
[NASA-CASE-XGS-00823] c 10 N71-15910
- Logic AND gate for fluid circuits Patent
[NASA-CASE-XLA-07391] c 12 N71-17579
- Ripple add and ripple subtract binary counters Patent
[NASA-CASE-XGS-04766] c 08 N71-18602
- Exclusive-Or digital logic module Patent
[NASA-CASE-XLA-07732] c 08 N71-18751
- Stepping motor control circuit Patent
[NASA-CASE-GSC-10366-1] c 10 N71-18772
- Serial digital decoder Patent
[NASA-CASE-NPO-10150] c 08 N71-24650
- BCD to decimal decoder Patent
[NASA-CASE-XKS-06167] c 08 N71-24890
- Current steering switch Patent
[NASA-CASE-XNP-08567] c 09 N71-26000
- Parallel generation of the check bits of a PN sequence Patent
[NASA-CASE-XNP-04623] c 10 N71-26103
- Adaptive system and method for signal generation Patent
[NASA-CASE-GSC-11387] c 10 N71-26374
- Fast response low power drain logic circuits
[NASA-CASE-GSC-10878-1] c 10 N72-22238
- Logical function generator
[NASA-CASE-XLA-05099] c 09 N73-13209
- A synchronous binary array divider
[NASA-CASE-ERC-10180-1] c 60 N74-20836
- Four phase logic systems --- including integrated microcircuits
[NASA-CASE-MSC-14240-1] c 33 N75-14957
- A general logic structure for custom LSI circuits
[NASA-CASE-NPO-14410-1] c 33 N79-25314
- Interleaving device
[NASA-CASE-GSC-12111-2] c 33 N81-29342
- Logic-controlled occlusive cuff system
[NASA-CASE-MSC-14836-1] c 52 N82-11770
- General logic structure for custom LSI circuits
[NASA-CASE-NPO-14410-2] c 33 N82-25440
- Combinational logic for generating gate drive signals for phase control rectifiers
[NASA-CASE-MFS-25208-1] c 33 N83-10345
- Adaptive reference voltage generator for firing angle control of line-commutated inverters
[NASA-CASE-MFS-25215-1] c 33 N83-31853
- Adaptive control system for line-commutated inverters
[NASA-CASE-MFS-25209-1] c 33 N83-35227
- LOGIC DESIGN**
- General logic structure for custom LSI circuits
[NASA-CASE-NPO-14410-2] c 33 N82-25440
- LONG TERM EFFECTS**
- Elastomer toughened polyimide adhesives
[NASA-CASE-LAR-12775] c 27 N83-29390
- LONGITUDINAL CONTROL**
- Three-axis controller Patent
[NASA-CASE-XAC-01404] c 05 N70-41581
- Pitch attitude stabilization system utilizing engine pressure ratio feedback signals
[NASA-CASE-LAR-12562-1] c 08 N81-26152
- LONGITUDINAL STABILITY**
- Annular wing
[NASA-CASE-FRC-11007-2] c 05 N82-26277
- LOOK ANGLES (TRACKING)**
- Method and apparatus for contour mapping using synthetic aperture radar
[NASA-CASE-NPO-15939-1] c 43 N83-20324
- LOOP ANTENNAS**
- Collapsible loop antenna for space vehicle Patent
[NASA-CASE-XMF-00437] c 07 N70-40202
- Automatic carrier acquisition system
[NASA-CASE-NPO-11628-1] c 07 N73-30113
- LOOPS**
- Endless tape cartridge Patent
[NASA-CASE-XGS-00769] c 14 N70-41647
- Endless tape transport mechanism Patent
[NASA-CASE-XGS-01223] c 07 N71-10609
- Filter for third order phase locked loops
[NASA-CASE-NPO-11941-1] c 10 N73-27171
- High speed shutter --- electrically actuated ribbon loop for shuttering optical or fluid passageways
[NASA-CASE-ARC-10516-1] c 70 N74-21300
- Means for accommodating large overstrain in lead wires --- by storing extra length of wire in stretchable loop
[NASA-CASE-LAR-10168-1] c 33 N74-22865
- Closed loop spray cooling apparatus
[NASA-CASE-LEW-11981-2] c 34 N79-20336
- Pseudonoise code tracking loop
[NASA-CASE-MSC-18035-1] c 32 N81-15179
- Pulsed phase locked loop strain monitor --- voltage controlled oscillators
[NASA-CASE-LAR-12772-1] c 33 N83-16626
- LOUVERS**
- Solar concentrator protective system
[NASA-CASE-NPO-15662-1] c 44 N82-28785
- LOW ASPECT RATIO**
- Landing arrangement for aerial vehicles Patent
[NASA-CASE-XLA-00142] c 02 N70-33288
- Landing arrangement for aerial vehicle Patent
[NASA-CASE-XLA-00806] c 02 N70-34858

LOW COST

Fabrication of polycrystalline solar cells on low-cost substrates
[NASA-CASE-GSC-12022-1] c 44 N76-28635

Process for utilizing low-cost graphite substrates for polycrystalline solar cells
[NASA-CASE-GSC-12022-2] c 44 N78-24609

LOW CURRENTS

Low current linearization of magnetic amplifier for dc transducer
[NASA-CASE-NPO-14617-1] c 33 N81-24338

LOW DENSITY MATERIALS

Method and device for detecting voids in low density material Patent
[NASA-CASE-MFS-20044] c 14 N71-28993

Intumescent composition, foamed product prepared therefrom and process for making same
[NASA-CASE-ARC-10304-2] c 27 N74-27037

Molding insert for foam dispensing apparatus
[NASA-CASE-MFS-20607-1] c 37 N76-19436

Low density bismaleimide-carbon microballoon composites --- aircraft and submarine compartment safety
[NASA-CASE-ARC-11040-2] c 24 N78-27184

Low density bismaleimide-carbon microballoon composites
[NASA-CASE-ARC-11040-1] c 24 N79-16915

Catalysts for polyimide foams from aromatic isocyanates and aromatic dianhydrides --- flame retardant foams
[NASA-CASE-ARC-11107-1] c 25 N80-16116

LOW FREQUENCIES

Seismic displacement transducer Patent
[NASA-CASE-XMF-00479] c 14 N70-34794

Low-frequency radio navigation system
[NASA-CASE-NPO-15264-1] c 04 N81-22036

LOW GRAVITY MANUFACTURING

Method for manufacturing mirrors in zero gravity environment
[NASA-CASE-MSC-12611-1] c 12 N76-15189

Gas levitator having fixed levitation node for containerless processing
[NASA-CASE-MFS-25509-1] c 35 N83-24828

Method and apparatus for supercooling and solidifying substances
[NASA-CASE-MFS-25242-1] c 35 N83-29650

LOW MOLECULAR WEIGHTS

Process for preparation of high-molecular-weight polyaryloxysilanes Patent
[NASA-CASE-XMF-08674] c 06 N71-28807

LOW NOISE

Low phase noise digital frequency divider
[NASA-CASE-NPO-11569] c 10 N73-26229

Reflected-wave maser --- low noise amplifier
[NASA-CASE-NPO-13490-1] c 36 N76-31512

Low noise tuned amplifier
[NASA-CASE-GSC-12567-1] c 33 N82-11359

LOW PASS FILTERS

Filtering technique based on high-frequency plant modeling for high-gain control
[NASA-CASE-LAR-12215-1] c 08 N79-23097

Smoothing filter for digital to analog conversion
[NASA-CASE-FRC-11025-1] c 33 N82-24417

Discriminator aided phase lock acquisition for suppressed carrier signals
[NASA-CASE-NPO-14311-1] c 33 N82-29539

LOW PRESSURE

Gas low pressure low flow rate metering system Patent
[NASA-CASE-FRC-10022] c 12 N71-26546

Bakeable McLeod gauge
[NASA-CASE-XGS-01293-1] c 35 N79-33450

LOW SPEED

Variable geometry manned orbital vehicle Patent
[NASA-CASE-XLA-03691] c 31 N71-15674

RC rate generator for slow speed measurement Patent
[NASA-CASE-XMF-02966] c 10 N71-24863

LOW TEMPERATURE

Atomic hydrogen storage method and apparatus
[NASA-CASE-LEW-12081-3] c 28 N81-14103

LOW TEMPERATURE ENVIRONMENTS

Frangible electrochemical cell
[NASA-CASE-XGS-10010] c 03 N72-15986

LOW TEMPERATURE TESTS

Low temperature flexure fatigue cryostat Patent
[NASA-CASE-XMF-02964] c 14 N71-17659

Horizontal cryostat for fatigue testing Patent
[NASA-CASE-XMF-10968] c 14 N71-24234

Heating and cooling system --- for fatigue test specimens
[NASA-CASE-LAR-12393-1] c 34 N83-34221

LOW THRUST

Low thrust monopropellant engine
[NASA-CASE-GSC-12194-2] c 20 N82-18314

LOW VACUUM

Vibration damping system Patent
[NASA-CASE-XMS-01620] c 23 N71-15673

LOW VOLTAGE

High speed low level electrical stepping switch Patent
[NASA-CASE-XAC-00060] c 09 N70-39915

Flexible blade antenna Patent
[NASA-CASE-MSC-12101] c 09 N71-18720

Failure sensing and protection circuit for converter networks Patent
[NASA-CASE-GSC-10114-1] c 10 N71-27368

LOWER BODY NEGATIVE PRESSURE

Lower body negative pressure apparatus
[NASA-CASE-MSC-20202-1] c 54 N83-18254

LUBRICANTS

Metallic film diffusion for boundary lubrication Patent
[NASA-CASE-XLE-01765] c 18 N71-10772

Metallic film diffusion for boundary lubrication Patent
[NASA-CASE-XLE-10337] c 15 N71-24046

Fluorinated esters of polycarboxylic acids
[NASA-CASE-MFS-21040-1] c 06 N73-30098

Thiophenyl ether disiloxanes and trisiloxanes useful as lubricant fluids
[NASA-CASE-MFS-22411-1] c 37 N74-21058

Journal bearings --- for lubricant films
[NASA-CASE-LEW-11076-1] c 37 N74-21061

Method for milling and drilling glass
[NASA-CASE-GSC-12636-1] c 31 N83-27058

LUBRICATING OILS

Foil seal Patent
[NASA-CASE-XLE-05130-2] c 15 N71-19570

LUBRICATION

Production of hollow components for rolling element bearings by diffusion welding
[NASA-CASE-LEW-11026-1] c 15 N73-33383

Variable resistance constant tension and lubrication device --- using oil-saturated leather wiper
[NASA-CASE-KSC-10723-1] c 37 N75-13265

Fluid journal bearings
[NASA-CASE-LEW-11076-4] c 37 N76-15461

LUBRICATION SYSTEMS

Hybrid lubrication system and bearing Patent
[NASA-CASE-XNP-01641] c 15 N71-22997

Fluid lubricant system Patent
[NASA-CASE-XNP-03972] c 15 N71-23048

Journal Bearings
[NASA-CASE-LEW-11076-2] c 37 N74-32921

Oil cooling system for a gas turbine engine
[NASA-CASE-LEW-12321-1] c 37 N78-10467

LUMINAIRES

Visual target for retrofire attitude control
[NASA-CASE-XMS-12158-1] c 31 N69-27499

Ultraviolet resonance lamp Patent
[NASA-CASE-ARC-10030] c 09 N71-12521

Lamp modulator
[NASA-CASE-KSC-10585] c 09 N72-25250

Driving lamps by induction
[NASA-CASE-MFS-21214-1] c 09 N73-30181

Uniform variable light source
[NASA-CASE-NPO-11429-1] c 74 N77-21941

Direct current ballast circuit for metal halide lamp
[NASA-CASE-MSC-18407-1] c 33 N82-24427

LUMINOUSITY

Measurement of time differences between luminous events Patent
[NASA-CASE-XLA-01987] c 23 N71-23976

LUMINOUS INTENSITY

Motion picture camera for optical pyrometry Patent
[NASA-CASE-XLA-00062] c 14 N70-33254

Radiant energy intensity measurement system Patent
[NASA-CASE-XNP-06510] c 14 N71-23797

Continuous plasma laser --- method and apparatus for producing intense, coherent, monochromatic light from low temperature plasma
[NASA-CASE-XNP-04167-3] c 36 N77-19416

Solar cell assembly --- for use under high intensity illumination
[NASA-CASE-LEW-11549-1] c 44 N77-19571

Compact, high intensity arc lamp with internal magnetic field producing means
[NASA-CASE-NPO-11510-1] c 33 N77-21315

System for the measurement of ultra-low stray light levels --- determining the adequacy of large space telescope systems
[NASA-CASE-MFS-23513-1] c 74 N79-11885

Wide dynamic range video camera
[NASA-CASE-MFS-25750-1] c 33 N83-35229

LUNAR BASES

Self-adjusting multisegment, deployable, natural circulation radiator Patent
[NASA-CASE-XHQ-03673] c 33 N71-29046

LUNAR COMMUNICATION

Television signal scan rate conversion system Patent
[NASA-CASE-XMS-07168] c 07 N71-11300

Emergency lunar communications system
[NASA-CASE-MFS-21042] c 07 N72-25171

LUNAR COMPOSITION

Lunar penetrometer Patent
[NASA-CASE-XLA-00934] c 14 N71-22765

LUNAR EXPLORATION

Backpack camera Patent
[NASA-CASE-LAR-10056] c 05 N71-12351

Lunar penetrometer Patent
[NASA-CASE-XLA-00934] c 14 N71-22765

Personal propulsion unit Patent
[NASA-CASE-MFS-20130] c 28 N71-27585

Emergency lunar communications system
[NASA-CASE-MFS-21042] c 07 N72-25171

LUNAR GRAVITATION

Subgravity simulator Patent
[NASA-CASE-XMS-04798] c 11 N71-21474

LUNAR GRAVITY SIMULATOR

Impact simulator Patent
[NASA-CASE-XLA-00493] c 11 N70-34788

LUNAR LANDING

Lunar landing flight research vehicle Patent
[NASA-CASE-XFR-00929] c 31 N70-34966

LUNAR LOGISTICS

Personal propulsion unit Patent
[NASA-CASE-MFS-20130] c 28 N71-27585

LUNAR ROCKS

Sample collecting impact bit Patent
[NASA-CASE-XNP-01412] c 15 N70-42034

LUNAR SOIL

Soil particles separator, collector and viewer Patent
[NASA-CASE-XNP-09770] c 15 N71-20440

Material handling device Patent
[NASA-CASE-XNP-09770-3] c 11 N71-27038

Self-recording portable soil penetrometer
[NASA-CASE-MFS-20774] c 14 N73-19420

Method for obtaining oxygen from lunar or similar soil
[NASA-CASE-MSC-12408-1] c 46 N74-13011

LUNAR SURFACE VEHICLES

Deformable vehicle wheel Patent
[NASA-CASE-MFS-20400] c 31 N71-18611

Resilient wheel Patent
[NASA-CASE-MFS-13929] c 15 N71-27091

LUNGS

Instrument for use in performing a controlled Valsalva maneuver Patent
[NASA-CASE-XMS-01615] c 05 N70-41329

M

MACH NUMBER

Wind tunnel supplementary Mach number minimum section insert
[NASA-CASE-LAR-12532-1] c 09 N82-11088

MACHINE TOOLS

Rock drill for recovering samples
[NASA-CASE-XNP-07478] c 14 N69-21923

Protective device for machine and metalworking tools Patent
[NASA-CASE-XLE-01092] c 15 N71-22797

Aligning and positioning device Patent
[NASA-CASE-XMS-04178] c 15 N71-22798

Extrusion die for refractory metals Patent
[NASA-CASE-XLE-06773] c 15 N71-23817

Layout tool Patent
[NASA-CASE-FRC-10005] c 15 N71-26145

Optical machine tool alignment indicator Patent
[NASA-CASE-XAC-09489-1] c 15 N71-26673

Caterpillar micro positioner
[NASA-CASE-GSC-10780-1] c 14 N72-16283

Geneva mechanism --- including star wheel and driver
[NASA-CASE-NPO-13281-1] c 37 N75-13266

Zero torque gear head wrench
[NASA-CASE-NPO-13059-1] c 37 N76-20480

Precision alignment apparatus for cutting a workpiece
[NASA-CASE-LAR-11658-1] c 37 N77-14478

Toggle mechanism for pinching metal tubes
[NASA-CASE-GSC-12274-1] c 37 N79-28550

Method and tool for machining a transverse slot about a bore
[NASA-CASE-LAR-11855-1] c 37 N81-14319

Holding fixture for a hot stamping press
[NASA-CASE-GSC-12619-1] c 37 N81-16470

Crystal cleaving machine
[NASA-CASE-GSC-12584-1] c 37 N82-32730

MACHINERY

Stirring apparatus for plural test tubes Patent
[NASA-CASE-XAC-06958] c 15 N71-21177

Precipitation detector Patent
[NASA-CASE-XLA-02619] c 10 N71-26334

Apparatus for forming drive belts
[NASA-CASE-NPO-13205-1] c 31 N74-32917

MACHINING

Laser machining apparatus Patent
[NASA-CASE-HQN-10541-2] c 15 N71-27135

Lathe tool bit and holder for machining fiberglass materials
[NASA-CASE-XLA-10470] c 15 N72-21489

Drilled ball bearing with a one piece anti-tipping cage assembly
[NASA-CASE-LEW-11925-1] c 37 N75-31446

MAGNESIUM

Nondestructive spot test method for magnesium and magnesium alloys
[NASA-CASE-LAR-10953-1] c 17 N73-27446

MAGNESIUM ALLOYS

Method and apparatus for bonding a plastics sleeve onto a metallic body Patent
[NASA-CASE-XLA-01262] c 15 N71-21404

Nondestructive spot test method for magnesium and magnesium alloys
[NASA-CASE-LAR-10953-1] c 17 N73-27446

MAGNESIUM OXIDES

Method for determining presence of OH in magnesium oxide
[NASA-CASE-NPO-10774] c 06 N72-17095

MAGNET COILS

Superconducting alternator
[NASA-CASE-XLE-02824] c 03 N69-39890

Circuit breaker utilizing magnetic latching relays Patent
[NASA-CASE-MS-C-11277] c 09 N71-29008

MAGNETIC AMPLIFIERS

Low current linearization of magnetic amplifier for dc transducer
[NASA-CASE-NPO-14617-1] c 33 N81-24338

MAGNETIC BEARINGS

Linear magnetic bearing
[NASA-CASE-GSC-12517-1] c 37 N83-32067

MAGNETIC CHARGE DENSITY

Electrostatic ion engine having a permanent magnetic circuit Patent
[NASA-CASE-XLE-01124] c 28 N71-14043

MAGNETIC CIRCUITS

Electrostatic ion engine having a permanent magnetic circuit Patent
[NASA-CASE-XLE-01124] c 28 N71-14043

MAGNETIC COILS

Time-division multiplexer Patent
[NASA-CASE-XNP-00431] c 09 N70-38998

Linear magnetic brake with two windings Patent
[NASA-CASE-XLE-05079] c 15 N71-17652

Safe-arm initiator Patent
[NASA-CASE-LAR-10372] c 09 N71-18599

Magnifying image intensifier
[NASA-CASE-GSC-12010-1] c 74 N78-18905

Reciprocating linear motor
[NASA-CASE-GSC-12773-1] c 33 N83-12332

MAGNETIC CONTROL

Fast opening diaphragm Patent
[NASA-CASE-XLA-03660] c 15 N71-21060

Magnetically controlled plasma accelerator Patent
[NASA-CASE-XLA-00327] c 25 N71-29184

Axially and radially controllable magnetic bearing
[NASA-CASE-GSC-11551-1] c 37 N76-18459

Magnetic bearing system
[NASA-CASE-GSC-11978-1] c 37 N77-17464

Low temperature latching solenoid
[NASA-CASE-MS-C-18106-1] c 33 N82-11357

MAGNETIC CORES

Variable frequency magnetic multivibrator Patent
[NASA-CASE-XGS-00458] c 09 N70-38604

Variable frequency magnetic multivibrator Patent
[NASA-CASE-XGS-00131] c 09 N70-38995

Magnetic counter Patent
[NASA-CASE-XNP-08838] c 09 N71-12515

Pulse-type magnetic core memory element circuit with blocking oscillator feedback Patent
[NASA-CASE-XGS-03303] c 08 N71-18595

Magnetic core current steering commutator Patent
[NASA-CASE-NPO-10201] c 08 N71-18694

Drive circuit utilizing two cores Patent
[NASA-CASE-XNP-01318] c 10 N71-23033

Saturation current protection apparatus for saturable core transformers Patent
[NASA-CASE-ERC-10075] c 09 N71-24800

Magnetic power switch Patent
[NASA-CASE-NPO-10242] c 09 N71-24803

Unsaturating saturable core transformer Patent
[NASA-CASE-ERC-10125] c 09 N71-24893

Thermally cycled magnetometer Patent
[NASA-CASE-XAC-03740] c 14 N71-26135

Digital memory sense amplifying means Patent
[NASA-CASE-XNP-01012] c 08 N71-28925

Method of detecting impending saturation of magnetic cores
[NASA-CASE-ERC-10089] c 23 N72-17747

Current steering commutator
[NASA-CASE-NPO-10743] c 08 N72-21199

Banded transformer cores
[NASA-CASE-NPO-11966-1] c 33 N74-17928

MAGNETIC DIPOLES

Balance torquemeter Patent
[NASA-CASE-XGS-01013] c 14 N71-23725

MAGNETIC DISKS

Disk pack cleaning table Patent Application
[NASA-CASE-LAR-10590-1] c 15 N70-26819

MAGNETIC FIELD CONFIGURATIONS

Mass spectrometer with magnetic pole pieces providing the magnetic fields for both the magnetic sector and an ion-type vacuum pump
[NASA-CASE-NPO-13663-1] c 35 N77-14406

Magnifying image intensifier
[NASA-CASE-GSC-12010-1] c 74 N78-18905

Linear magnetic bearings — active magnetic suspension of armatures
[NASA-CASE-GSC-12582-1] c 37 N81-16469

Ring-cusp ion thruster with shell anode
[NASA-CASE-LEW-13881-1] c 72 N83-21903

MAGNETIC FIELDS

Electric-arc heater Patent
[NASA-CASE-XLA-00330] c 33 N70-34540

Means for communicating through a layer of ionized gases Patent
[NASA-CASE-XLA-01127] c 07 N70-41372

Liquid storage tank venting device for zero gravity environment Patent
[NASA-CASE-XLE-01449] c 15 N70-41646

Electrostatic ion engine having a permanent magnetic circuit Patent
[NASA-CASE-XLE-01124] c 28 N71-14043

Wide range linear fluxgate magnetometer Patent
[NASA-CASE-XGS-01587] c 14 N71-15962

Position sensing device employing misaligned magnetic field generating and detecting apparatus Patent
[NASA-CASE-XGS-07514] c 23 N71-16099

Nonmagnetic, explosive actuated indexing device Patent
[NASA-CASE-XGS-02422] c 15 N71-21529

Solar cell and circuit array and process for nullifying magnetic fields Patent
[NASA-CASE-XGS-03390] c 03 N71-23187

Balance torquemeter Patent
[NASA-CASE-XGS-01013] c 14 N71-23725

Two axis fluxgate magnetometer Patent
[NASA-CASE-GSC-10441-1] c 14 N71-27325

Segmented superconducting magnet for a broadband traveling wave maser Patent
[NASA-CASE-XGS-10518] c 16 N71-28554

Magnetic position detection method and apparatus
[NASA-CASE-ARC-10179-1] c 21 N72-22619

Ion thruster
[NASA-CASE-LEW-10770-1] c 28 N72-22770

Ion thruster magnetic field control
[NASA-CASE-LEW-10835-1] c 28 N72-22771

Determining distance to lightning strokes from a single station
[NASA-CASE-KSC-10698] c 07 N73-20175

Superconductive magnetic-field-trapping device
[NASA-CASE-XNP-01185] c 26 N73-28710

Electron beam controller — using magnetic field to refocus spent electron beam in microwave oscillator tube
[NASA-CASE-LEW-11617-1] c 33 N74-10195

Magnetometer using superconducting rotating body
[NASA-CASE-NPO-13388-1] c 35 N76-16390

Compact, high intensity arc lamp with internal magnetic field producing means
[NASA-CASE-NPO-11510-1] c 33 N77-21315

Magnetic heat pumping
[NASA-CASE-LEW-12508-1] c 34 N78-17335

Atomic hydrogen storage — cryotrapping and magnetic field strength
[NASA-CASE-LEW-12081-2] c 28 N80-20402

Atomic hydrogen storage method and apparatus
[NASA-CASE-LEW-12081-3] c 28 N81-14103

Magnetic field control — electromechanical torquing device
[NASA-CASE-MFS-23828-1] c 33 N82-26569

Reciprocating linear motor
[NASA-CASE-GSC-12773-1] c 33 N83-12332

MAGNETIC FILMS

Manganese bismuth films with narrow transfer characteristics for Cune-point switching
[NASA-CASE-NPO-11338-1] c 76 N79-16678

MAGNETIC FLUX

Excitation and detection circuitry for a flux responsive magnetic head
[NASA-CASE-XNP-04183] c 09 N69-24329

Cryogenic apparatus for measuring the intensity of magnetic fields
[NASA-CASE-XAC-02407] c 14 N69-27423

Flux sensing device using a tubular core with toroidal gating coil and solenoidal output coil wound thereon Patent
[NASA-CASE-XGS-01881] c 09 N70-40123

Hybrid lubrication system and bearing Patent
[NASA-CASE-XNP-01641] c 15 N71-22997

Saturation current protection apparatus for saturable core transformers Patent
[NASA-CASE-ERC-10075] c 09 N71-24800

Continuous magnetic flux pump
[NASA-CASE-XNP-01187] c 15 N73-28516

Magnetic-flux pump
[NASA-CASE-XNP-01188] c 15 N73-32361

Magnetic bearing — for supplying magnetic fluxes
[NASA-CASE-GSC-11079-1] c 37 N75-16574

Linear magnetic motor/generator — to generate electric energy using magnetic flux for spacecraft power supply
[NASA-CASE-GSC-12518-1] c 33 N82-24421

Linear magnetic bearing
[NASA-CASE-GSC-12517-1] c 37 N83-32067

MAGNETIC FORMING

Magnetomotive metal working device Patent
[NASA-CASE-XMF-03793] c 15 N71-24833

Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114-3] c 15 N71-24865

MAGNETIC INDUCTION

Continuously operating induction plasma accelerator Patent
[NASA-CASE-XLA-01354] c 25 N70-36946

Drive circuit for minimizing power consumption in inductive load Patent
[NASA-CASE-NPO-10716] c 09 N71-24892

Constant frequency output two stage induction machine systems Patent
[NASA-CASE-ERC-10065] c 09 N71-27364

Magnetically actuated tuning method for Gunn oscillators
[NASA-CASE-NPO-12106] c 09 N73-15235

High speed shutter — electrically actuated ribbon loop for shuttering optical or fluid passageways
[NASA-CASE-ARC-10516-1] c 70 N74-21300

MAGNETIC LENSES

Quadrupole mass filter with means to generate a noise spectrum exclusive of the resonant frequency of the desired ions to deflect stable ions
[NASA-CASE-XNP-04231] c 14 N73-32325

MAGNETIC MATERIALS

Low viscosity magnetic fluid obtained by the colloidal suspension of magnetic particles Patent
[NASA-CASE-XLE-01512] c 12 N70-40124

MAGNETIC MEASUREMENT

Cryogenic apparatus for measuring the intensity of magnetic fields
[NASA-CASE-XAC-02407] c 14 N69-27423

Wide range linear fluxgate magnetometer Patent
[NASA-CASE-XGS-01587] c 14 N71-15962

RC networks and amplifiers employing the same
[NASA-CASE-XAC-05462-2] c 10 N72-17171

Magnetometer using superconducting rotating body
[NASA-CASE-NPO-13388-1] c 35 N76-16390

Magnetic heading reference
[NASA-CASE-LAR-12638-1] c 04 N82-26260

MAGNETIC POLES

Magnetohydrodynamic induction machine
[NASA-CASE-XNP-07481] c 25 N69-21929

Mass spectrometer with magnetic pole pieces providing the magnetic fields for both the magnetic sector and an ion-type vacuum pump
[NASA-CASE-NPO-13663-1] c 35 N77-14406

MAGNETIC PUMPING

Continuous magnetic flux pump
[NASA-CASE-XNP-01187] c 15 N73-28516

Magnetic-flux pump
[NASA-CASE-XNP-01188] c 15 N73-32361

Magnetocaloric pump — for cryogenic fluids
[NASA-CASE-LEW-11672-1] c 37 N74-27904

Magnetic heat pumping
[NASA-CASE-LEW-12508-3] c 34 N83-29625

MAGNETIC RECORDING

Incremental tape recorder and data rate converter Patent
[NASA-CASE-XNP-02778] c 08 N71-22710

Magnetic recording head and method of making same Patent
[NASA-CASE-GSC-10097-1] c 08 N71-27210

Thermomagnetic recording and magnetic-optic playback system
[NASA-CASE-NPO-10872-1] c 35 N79-16246

Manganese bismuth films with narrow transfer characteristics for Cune-point switching
[NASA-CASE-NPO-11338-1] c 76 N79-16678

MAGNETIC SIGNALS

Plural recorder system
[NASA-CASE-XMS-06949] c 09 N69-21467

MAGNETIC STORAGE

Binary magnetic memory device Patent
[NASA-CASE-XGS-00174] c 08 N70-34743

Magnetic matrix memory system Patent
[NASA-CASE-XMF-05835] c 08 N71-12504

- Control apparatus for applying pulses of selectively predetermined duration to a sequence of loads Patent [NASA-CASE-XGS-04224] c 10 N71-26418
- Redundant memory organization Patent [NASA-CASE-GSC-10564] c 10 N71-29135
- Dual purpose momentum wheels for spacecraft with magnetic recording [NASA-CASE-NPO-11481] c 21 N73-13644
- Atomic hydrogen storage method and apparatus [NASA-CASE-LEW-12081-1] c 28 N78-24365
- MAGNETIC SUSPENSION**
- Magnetic suspension and pointing system [NASA-CASE-LAR-11889-2] c 37 N78-27424
- Magnetic suspension and pointing system --- on a carrier vehicle [NASA-CASE-LAR-11889-1] c 35 N79-26372
- Linear magnetic bearings --- active magnetic suspension of armatures [NASA-CASE-GSC-12582-1] c 37 N81-16469
- Stirling cycle cryogenic cooler --- magnetically suspended pistons [NASA-CASE-GSC-12697-1] c 31 N82-11312
- Linear magnetic bearings [NASA-CASE-GSC-12582-2] c 37 N83-13460
- Magnetic bearing and motor [NASA-CASE-GSC-12726-1] c 37 N83-34323
- MAGNETIC SWITCHING**
- Magnetic power switch Patent [NASA-CASE-NPO-10242] c 09 N71-24803
- Current steering switch Patent [NASA-CASE-XNP-08567] c 09 N71-26000
- MAGNETIC TAPE TRANSPORTS**
- Reel safety brake [NASA-CASE-GSC-11960-1] c 37 N77-14479
- MAGNETIC TAPES**
- Endless tape cartridge Patent [NASA-CASE-XGS-00769] c 14 N70-41647
- Endless tape transport mechanism Patent [NASA-CASE-XGS-01223] c 07 N71-10609
- Low friction magnetic recording tape Patent [NASA-CASE-XGS-00373] c 23 N71-15978
- System for recording and reproducing pulse code modulated data Patent [NASA-CASE-XGS-01021] c 08 N71-21042
- Friction measuring apparatus Patent [NASA-CASE-XNP-08680] c 14 N71-22995
- Technique for recovery of voice data from heat damaged magnetic tape [NASA-CASE-MSC-14219-1] c 32 N74-27612
- Automatic character skew and spacing checking network --- of digital tape drive systems [NASA-CASE-GSC-11925-1] c 33 N76-18353
- MAGNETIC TRANSDUCERS**
- Magnetometer with a miniature transducer and automatic scanning [NASA-CASE-LAR-11617-2] c 35 N78-32397
- MAGNETIZATION**
- Ion engine casing construction and method of making same Patent [NASA-CASE-XNP-06942] c 28 N71-23293
- MAGNETO-OPTICS**
- Thermomagnetic recording and magneto-optic playback system having constant intensity laser beam control [NASA-CASE-NPO-11317-2] c 36 N74-13205
- MAGNETOHYDRODYNAMIC FLOW**
- Magneto-plasma-dynamic arc thruster [NASA-CASE-LEW-11180-1] c 25 N73-25760
- MAGNETOHYDRODYNAMIC GENERATORS**
- Magnetohydrodynamic induction machine [NASA-CASE-XNP-07481] c 25 N69-21929
- Slug flow magnetohydrodynamic generator [NASA-CASE-XLE-02083] c 03 N69-39983
- Two-fluid magnetohydrodynamic system and method for thermal-electric power conversion Patent [NASA-CASE-XNP-00644] c 03 N70-36803
- Crossed-field MHD plasma generator/ accelerator Patent [NASA-CASE-XLA-03374] c 25 N71-15562
- MHD electrical generator [NASA-CASE-NPO-15399-1] c 75 N82-24079
- Solar driven liquid metal MHD power generator [NASA-CASE-LAR-12495-1] c 44 N83-28573
- MAGNETOMETERS**
- Nonmagnetic thermal motor for a magnetometer [NASA-CASE-XAR-03788] c 09 N69-21313
- Cryogenic apparatus for measuring the intensity of magnetic fields [NASA-CASE-XAC-02407] c 14 N69-27423
- Flux sensing device using a tubular core with toroidal gating coil and solenoidal output coil wound thereon Patent [NASA-CASE-XGS-01881] c 09 N70-40123
- Wide range linear fluxgate magnetometer Patent [NASA-CASE-XGS-01587] c 14 N71-15962
- Optically pumped resonance magnetometer for determining vectoral components in a spatial coordinate system Patent [NASA-CASE-XGS-04879] c 14 N71-20428
- Thermally cycled magnetometer Patent [NASA-CASE-XAC-03740] c 14 N71-26135
- Two axis fluxgate magnetometer Patent [NASA-CASE-GSC-10441-1] c 14 N71-27325
- Hall effect magnetometer [NASA-CASE-LEW-11632-2] c 35 N75-13213
- Magnetometer using superconducting rotating body [NASA-CASE-NPO-13388-1] c 35 N76-16390
- Magnetic heading reference [NASA-CASE-LAR-11387-1] c 04 N76-20114
- Magnetic heading reference [NASA-CASE-LAR-11387-2] c 04 N77-19056
- Magnetometer with a miniature transducer and automatic scanning [NASA-CASE-LAR-11617-2] c 35 N78-32397
- A low energy electron magnetometer [NASA-CASE-LAR-12706-1] c 35 N81-19428
- Magnetic heading reference [NASA-CASE-LAR-12638-1] c 44 N82-24716
- MAGNETRONS**
- Tuning arrangement for an electron discharge device or the like Patent [NASA-CASE-XNP-09771] c 09 N71-24841
- MAGNETS**
- Magnetic electrical connectors for biomedical percutaneous implants [NASA-CASE-KSC-11030-1] c 52 N77-25772
- Miniature cyclotron resonance ion source using small permanent magnet [NASA-CASE-NPO-14324-1] c 72 N80-27163
- A brushless dc tachometer [NASA-CASE-NPO-15706-1] c 35 N82-26633
- Linear magnetic bearing [NASA-CASE-GSC-12517-1] c 37 N83-32067
- MAGNIFICATION**
- Image magnification adapter for cameras Patent [NASA-CASE-XMF-03844-1] c 14 N71-26474
- Magnifying scratch gage force transducer [NASA-CASE-LAR-10498-1] c 14 N72-22437
- Magnifying image intensifier [NASA-CASE-GSC-12010-1] c 74 N78-18905
- Constant magnification optical tracking system [NASA-CASE-NPO-14813-1] c 74 N82-24072
- MAGNITUDE**
- Balance torquemeter Patent [NASA-CASE-XGS-01013] c 14 N71-23725
- MAINTENANCE**
- Self-testing and repairing computer Patent [NASA-CASE-NPO-10567] c 08 N71-24633
- Bonding or repairing process [NASA-CASE-MSC-12357] c 15 N73-12489
- Method of repairing discontinuity in fiberglass structures [NASA-CASE-LAR-10416-1] c 24 N74-30001
- System and method for refurbishing and processing parachutes --- monoval conveyor system [NASA-CASE-KSC-11042-2] c 02 N81-26073
- Computer circuit card puller [NASA-CASE-FRC-11042-1] c 60 N82-24839
- Method for refurbishing and processing parachutes [NASA-CASE-KSC-11042-1] c 09 N82-29330
- Method for repair of thin glass coatings --- on space shuttle orbiter tiles [NASA-CASE-KSC-11097-1] c 27 N82-33520
- Method of repairing surface damage to porous refractory substrates --- space shuttle orbiter tiles [NASA-CASE-MSC-18736-1] c 24 N83-13172
- MALFUNCTIONS**
- Airplane take-off performance indicator Patent [NASA-CASE-XLA-00100] c 14 N70-36807
- MANDRELS**
- Mandrel for shaping solid propellant rocket fuel into a motor casing Patent [NASA-CASE-XLA-00304] c 27 N70-34783
- Rotating mandrel for assembly of inflatable devices Patent [NASA-CASE-XLA-04143] c 15 N71-17687
- Method of making a solid propellant rocket motor Patent [NASA-CASE-XLA-04126] c 28 N71-26779
- MANEUVERABILITY**
- Sequentially deployable maneuverable tetrahedral beam [NASA-CASE-LAR-13098-1] c 31 N83-35178
- MANGANESE**
- Manganese bismuth films with narrow transfer characteristics for Cune-point switching [NASA-CASE-NPO-11336-1] c 76 N79-16678
- MANIFOLDS**
- Injector for bipropellant rocket engines Patent [NASA-CASE-XMF-00148] c 28 N70-38710
- Active clearance control system for a turbomachine [NASA-CASE-LEW-12938-1] c 07 N82-32366
- Collimated beam manifold with the number of output beams variable at a given output angle [NASA-CASE-MFS-25312-1] c 74 N83-17305
- MANIPULATORS**
- Remote control manipulator for zero gravity environment [NASA-CASE-MFS-14405] c 15 N72-28495
- Orthotic arm joint --- for use in mechanical arms [NASA-CASE-MFS-21611-1] c 54 N75-12616
- Variable ratio mixed-mode bilateral master-slave control system for shuttle remote manipulator system [NASA-CASE-MSC-14245-1] c 18 N75-27041
- Cooperative multiaxis sensor for teleoperation of article manipulating apparatus [NASA-CASE-NPO-13386-1] c 54 N75-27758
- Remotely operable articulated manipulator [NASA-CASE-MFS-22707-1] c 37 N76-15457
- Remote manipulator system [NASA-CASE-MFS-22022-1] c 37 N76-15460
- Anthropomorphic master/slave manipulator system [NASA-CASE-ARC-10756-1] c 54 N77-32721
- Wrist joint assembly [NASA-CASE-MFS-23311-1] c 54 N78-17676
- Terminal guidance sensor system [NASA-CASE-NPO-14521-1] c 54 N79-20746
- Compact artificial hand [NASA-CASE-NPO-13906-1] c 54 N79-24652
- Controller arm for a remotely related slave arm [NASA-CASE-ARC-11052-1] c 37 N79-28551
- Device for coupling a first vehicle to a second vehicle [NASA-CASE-GSC-12429-1] c 37 N81-14320
- Pneumatic inflatable end effector [NASA-CASE-MFS-23696-1] c 54 N81-26718
- Terminal guidance sensor system --- space shuttle coupling to orbiting satellites [NASA-CASE-NPO-14521-1] c 37 N81-27519
- Apparatus for sequentially transporting containers [NASA-CASE-MFS-23846-1] c 37 N82-32731
- Sequentially deployable maneuverable tetrahedral beam [NASA-CASE-LAR-13098-1] c 31 N83-35178
- MANNED ORBITAL LABORATORIES**
- Rotating space station simulator Patent [NASA-CASE-XLA-03127] c 11 N71-10776
- MANNED ORBITAL RESEARCH LABORATORIES**
- Erectable modular space station Patent [NASA-CASE-XLA-00878] c 31 N70-34296
- Radial module space station Patent [NASA-CASE-XMS-01906] c 31 N70-41373
- MANNED SPACE FLIGHT**
- Transfer valve Patent [NASA-CASE-XAC-01158] c 15 N71-23051
- Air removal device [NASA-CASE-XLA-8914] c 15 N73-12492
- MANNED SPACECRAFT**
- Space capsule Patent [NASA-CASE-XLA-00149] c 31 N70-37938
- Variable-geometry winged reentry vehicle Patent [NASA-CASE-XLA-00241] c 31 N70-37986
- Vehicle parachute and equipment jettison system Patent [NASA-CASE-XLA-00195] c 02 N70-38009
- Space capsule Patent [NASA-CASE-XLA-01332] c 31 N71-15664
- Artificial gravity spin deployment system Patent [NASA-CASE-XNP-02595] c 31 N71-21881
- Specialized halogen generator for purification of water Patent [NASA-CASE-XLA-08913] c 14 N71-28933
- Collapsible Apollo couch [NASA-CASE-MSC-13140] c 05 N72-11085
- Space vehicle with artificial gravity and earth-like environment [NASA-CASE-LEW-11101-1] c 31 N73-32750
- MANOMETERS**
- Magnetically centered liquid column float Patent [NASA-CASE-XAC-00030] c 14 N70-34820
- Apparatus for absolute pressure measurement [NASA-CASE-LAR-10000] c 14 N73-30394
- MANUAL CONTROL**
- Multiple circuit switch apparatus with improved pivot actuator structure Patent [NASA-CASE-XAC-03777] c 10 N71-15909
- Null device for hand controller Patent [NASA-CASE-XLA-01808] c 15 N71-20740
- Manually actuated heat pump [NASA-CASE-NPO-10677] c 05 N72-11084
- Numerical computer peripheral interactive device with manual controls [NASA-CASE-NPO-11497] c 08 N73-25206
- Solid state controller three axes controller [NASA-CASE-MSC-12394-1] c 08 N74-10942
- G-load measuring and indicator apparatus [NASA-CASE-ARC-10806-1] c 35 N75-29381

- Hydraulic actuator mechanism to control aircraft spoiler movements through dual input commands
[NASA-CASE-LAR-12412-1] c 08 N82-24205
- MANUFACTURING**
- A method for selective gold diffusion of monolithic silicon devices and/or circuits Patent application
[NASA-CASE-ERC-10072] c 09 N70-11148
- Indexed keyed connection Patent
[NASA-CASE-XMS-02532] c 15 N70-41808
- Method of making screen by casting Patent
[NASA-CASE-XLE-00953] c 15 N71-15966
- Space manufacturing machine Patent
[NASA-CASE-MFS-20410] c 15 N71-19214
- Fluid containers and resealable septum therefor Patent
[NASA-CASE-NPO-10123] c 15 N71-24835
- Method of making a solid propellant rocket motor Patent
[NASA-CASE-XLA-04126] c 28 N71-26779
- Method of making shielded flat cable Patent
[NASA-CASE-MFS-13687] c 09 N71-28691
- Fabrication of controlled-porosity metals Patent
[NASA-CASE-XNP-04339] c 17 N71-29137
- Method of making porous conductive supports for electrodes — by electroforming and stacking nickel foils
[NASA-CASE-GSC-11367-1] c 44 N74-19692
- Apparatus for forming drive belts
[NASA-CASE-NPO-13205-1] c 31 N74-32917
- Bonding method in the manufacture of continuous regression rate sensor devices
[NASA-CASE-LAR-10337-1] c 24 N75-30260
- Process for fabricating SiC semiconductor devices
[NASA-CASE-LEW-12094-1] c 76 N76-25049
- Solar hydrogen generator
[NASA-CASE-LAR-11361-1] c 44 N77-22607
- Method of forming shrink-fit compression seal
[NASA-CASE-LAR-11563-1] c 37 N77-23482
- Method for making a hot wire anemometer and product thereof
[NASA-CASE-ARC-10900-1] c 35 N77-24454
- Aluminum or copper substrate panel for selective absorption of solar energy
[NASA-CASE-MFS-23518-3] c 44 N80-16452
- Polymenc compositions and their method of manufacture — forming filled polymer systems using cryogenics
[NASA-CASE-NPO-10424-1] c 27 N81-24258
- Inorganic spark chamber frame and method of making the same
[NASA-CASE-GSC-12354-1] c 35 N82-24471
- Photoelectric detection system — manufacturing automation
[NASA-CASE-MFS-23776-1] c 33 N82-28545
- MAPPING**
- Random function tracer Patent
[NASA-CASE-XLA-01401] c 15 N71-21179
- Method and apparatus for mapping planets
[NASA-CASE-NPO-11001] c 07 N72-21118
- Seismic vibration source
[NASA-CASE-NPO-14112-1] c 46 N79-22679
- Method and apparatus for contour mapping using synthetic aperture radar
[NASA-CASE-NPO-15939-1] c 43 N83-20324
- MAPS**
- Orbital and entry tracking accessory for globes — to provide range requirements for reentry vehicles to any landing site
[NASA-CASE-LAR-10626-1] c 19 N74-21015
- Optical process for producing classification maps from multispectral data
[NASA-CASE-MSC-14472-1] c 43 N77-10584
- MASERS**
- Segmented superconducting magnet for a broadband traveling wave maser Patent
[NASA-CASE-XGS-10518] c 16 N71-28554
- Maser for frequencies in the 7-20 GHz range
[NASA-CASE-NPO-11437] c 16 N72-28521
- Reflected-wave maser — low noise amplifier
[NASA-CASE-NPO-13490-1] c 36 N76-31512
- Multistation refrigeration system
[NASA-CASE-NPO-13839-1] c 31 N78-25256
- External bulb variable volume maser
[NASA-CASE-GSC-12334-1] c 36 N79-14362
- Dielectric-loaded waveguide circulator for cryogenically cooled and cascaded maser waveguide structures
[NASA-CASE-NPO-14254-1] c 36 N80-18372
- Precise RF timing signal distribution to remote stations — fiber optics
[NASA-CASE-NPO-14749-1] c 32 N81-14186
- Maser amplifier slow wave structure — detecting weak signals from spacecraft
[NASA-CASE-NPO-15211-1] c 36 N81-24425
- Resonant isolator for maser amplifier
[NASA-CASE-NPO-15201-1] c 36 N83-35350

MASKING

- Masking device Patent
[NASA-CASE-XNP-02092] c 15 N70-42033
- High resolution developing of photosensitive resists Patent
[NASA-CASE-XGS-04993] c 14 N71-17574
- Method for growing low defect, high purity crystalline layers — photovoltaic cells
[NASA-CASE-NPO-15813-1] c 76 N83-30269
- MASS**
- Mass measuring system Patent
[NASA-CASE-XMS-03371] c 05 N70-42000
- Dynamic vibration absorber Patent
[NASA-CASE-LAR-10083-1] c 15 N71-27006
- Fluid mass sensor for a zero gravity environment
[NASA-CASE-MSC-14653-1] c 35 N77-19385
- MASS BALANCE**
- Two-plane balance Patent
[NASA-CASE-XAC-00073] c 14 N70-34813
- Apparatus for testing a pressure responsive instrument Patent
[NASA-CASE-XMF-04134] c 14 N71-23755
- MASS DISTRIBUTION**
- Propellant mass distribution metering apparatus Patent
[NASA-CASE-NPO-10185] c 10 N71-26339
- MASS FLOW**
- Rocket engine injector Patent
[NASA-CASE-XLE-03157] c 28 N71-24736
- Nuclear mass flowmeter
[NASA-CASE-MFS-20485] c 14 N72-11365
- Apparatus and method for generating large mass flow of high temperature air at hypersonic speeds
[NASA-CASE-LAR-10578-1] c 12 N73-25262
- MASS SPECTROMETERS**
- Analytical photoionization mass spectrometer with an argon gas filter between the light source and monochromator Patent
[NASA-CASE-LAR-10180-1] c 06 N71-13461
- Time of flight mass spectrometer with feedback means from the detector to the low source and a specific counter Patent
[NASA-CASE-XNP-01056] c 14 N71-23041
- Ion microprobe mass spectrometer for analyzing fluid materials Patent
[NASA-CASE-ERC-10014] c 14 N71-28863
- Orifice gross leak tester Patent
[NASA-CASE-ERC-10150] c 14 N71-28992
- Method and apparatus for determining the contents of contained gas samples
[NASA-CASE-GSC-10903-1] c 14 N73-12444
- Quadrupole mass filter with means to generate a noise spectrum exclusive of the resonant frequency of the desired ions to deflect stable ions
[NASA-CASE-XNP-04231] c 14 N73-32325
- Fast scan control for deflection type mass spectrometers
[NASA-CASE-LAR-11428-1] c 35 N74-34857
- Mass spectrometer with magnetic pole pieces providing the magnetic fields for both the magnetic sector and an ion-type vacuum pump
[NASA-CASE-NPO-13663-1] c 35 N77-14406
- Method for fabricating a mass spectrometer inlet leak
[NASA-CASE-GSC-12077-1] c 35 N77-24455
- Dual acting slit control mechanism
[NASA-CASE-LAR-11370-1] c 35 N80-28686
- Ion mass spectrometer — exploring comet tails
[NASA-CASE-NPO-15423-1] c 91 N82-25042
- MASS SPECTROSCOPY**
- Moving particle composition analyzer
[NASA-CASE-GSC-11889-1] c 35 N76-16393
- Fluid sampling device
[NASA-CASE-GSC-12143-1] c 35 N77-32456
- Particle analyzing method and apparatus
[NASA-CASE-NPO-15292-1] c 35 N83-27184
- MATERIAL ABSORPTION**
- Sorption vacuum trap Patent
[NASA-CASE-XER-09519] c 14 N71-18483
- MATERIALS HANDLING**
- Fluid coupling Patent
[NASA-CASE-XLE-00397] c 15 N70-36492
- Catalyst bed removing tool Patent
[NASA-CASE-XFR-00811] c 15 N70-36901
- Air bearing Patent
[NASA-CASE-XMF-01887] c 15 N71-10617
- Quick attach and release fluid coupling assembly Patent
[NASA-CASE-XKS-01985] c 15 N71-10782
- Method and apparatus for cryogenic wire stripping Patent
[NASA-CASE-MFS-10340] c 15 N71-17628
- Apparatus for purging systems handling toxic, corrosive, noxious and other fluids Patent
[NASA-CASE-XMS-01905] c 12 N71-21089
- Method of making foamed materials in zero gravity
[NASA-CASE-XMF-09902] c 15 N72-11387

- Mechanically extendible telescoping boom
[NASA-CASE-NPO-11118] c 03 N72-25021
- Apparatus for recovering matter adhered to a host surface
[NASA-CASE-NPO-11213] c 15 N73-20514
- Apparatus and method for skin packaging articles
[NASA-CASE-MFS-20855] c 15 N73-27405
- Apparatus for inserting and removing specimens from high temperature vacuum furnaces
[NASA-CASE-LAR-10841-1] c 31 N74-27900
- Deployable flexible tunnel
[NASA-CASE-MFS-22636-1] c 37 N76-22540
- Liquid immersion apparatus for minute articles
[NASA-CASE-MFS-25363-1] c 37 N82-12441
- High production shuttle car system for coal mines
[NASA-CASE-NPO-15949-1] c 37 N83-20155
- Acoustic system for material transport
[NASA-CASE-NPO-15453-1] c 71 N83-32515
- MATERIALS RECOVERY**
- Automated system for identifying traces of organic chemical compounds in aqueous solutions
[NASA-CASE-NPO-13063-1] c 25 N76-18245
- Process for the leaching of AP from propellant
[NASA-CASE-NPO-14109-1] c 28 N80-23471
- Recovery of aluminum from composite propellants
[NASA-CASE-NPO-14110-1] c 28 N81-15119
- MATERIALS SCIENCE**
- Flammability test chamber Patent
[NASA-CASE-KSC-10126] c 11 N71-24985
- Apparatus and method for measuring the Seebeck coefficient and resistivity of materials
[NASA-CASE-NPO-11749] c 14 N73-28486
- MATERIALS TESTS**
- Thermal shock apparatus Patent
[NASA-CASE-XLE-02024] c 14 N71-22964
- Multiple environment materials test chamber having a multiple port X-ray tube for irradiating a plurality of samples Patent
[NASA-CASE-XMS-02930] c 11 N71-23042
- Resilience testing device Patent
[NASA-CASE-XLA-08254] c 14 N71-26161
- Tube sealing device Patent
[NASA-CASE-NPO-10431] c 15 N71-29132
- Burn rate testing apparatus
[NASA-CASE-XMS-09690] c 33 N72-25913
- Multi axes vibration fixtures
[NASA-CASE-MFS-20242] c 14 N73-19421
- Material fatigue testing system
[NASA-CASE-MFS-20673] c 14 N73-20476
- MATHEMATICAL LOGIC**
- Logical function generator
[NASA-CASE-XLA-05099] c 09 N73-13209
- MATRICES (CIRCUITS)**
- Solar cell submodule Patent
[NASA-CASE-XNP-05821] c 03 N71-11056
- Magnetic matrix memory system Patent
[NASA-CASE-XMF-05835] c 08 N71-12504
- Solar cell matrix Patent
[NASA-CASE-NPO-10821] c 03 N71-19545
- Drive circuit utilizing two cores Patent
[NASA-CASE-XNP-01318] c 10 N71-23033
- Serial digital decoder Patent
[NASA-CASE-NPO-10150] c 08 N71-24650
- Solid state matrices
[NASA-CASE-NPO-10591] c 03 N72-22041
- MCLEOD GAGES**
- Automatic recording McLeod gauge Patent
[NASA-CASE-XLE-03280] c 14 N71-23093
- Bakeable McLeod gauge
[NASA-CASE-XGS-01293-1] c 35 N79-33450
- MEASURING INSTRUMENTS**
- Device for determining the accuracy of the flare on a flared tube
[NASA-CASE-XKS-03495] c 14 N69-39785
- Angular measurement system Patent
[NASA-CASE-XMF-00447] c 14 N70-33179
- Two-plane balance Patent
[NASA-CASE-XAC-00073] c 14 N70-34813
- Parallel motion suspension device Patent
[NASA-CASE-XNP-01567] c 15 N70-41310
- Vibrating structure displacement measuring instrument Patent
[NASA-CASE-XLA-03135] c 32 N71-16428
- Inspection gage for boss Patent
[NASA-CASE-XMF-04966] c 14 N71-17658
- Vapor pressure measuring system and method Patent
[NASA-CASE-XMS-01618] c 14 N71-20741
- Spherical tank gauge Patent
[NASA-CASE-XMS-06236] c 14 N71-21007
- Energy absorbing device Patent
[NASA-CASE-XMF-10040] c 15 N71-22877
- Ablation sensor Patent
[NASA-CASE-XLA-01791] c 14 N71-22991
- Moment of inertia test fixture Patent
[NASA-CASE-XGS-01023] c 14 N71-22992

Electron beam instrument for measuring electric fields Patent
[NASA-CASE-XMF-10289] c 14 N71-23699

Floating two force component measuring device Patent
[NASA-CASE-XAC-04885] c 14 N71-23790

Internal flare angle gauge Patent
[NASA-CASE-XMF-04415] c 14 N71-24693

RC rate generator for slow speed measurement Patent
[NASA-CASE-XMF-02966] c 10 N71-24863

Transverse piezoresistance and pinch effect electromechanical transducers Patent
[NASA-CASE-ERC-10088] c 26 N71-25490

Layout tool Patent
[NASA-CASE-FRC-10005] c 15 N71-26145

Method and apparatus for detecting gross leaks Patent
[NASA-CASE-ERC-10033] c 14 N71-26672

Arbitrarily shaped model survey system Patent
[NASA-CASE-LAR-10098] c 32 N71-26681

Thickness measuring and injection device Patent
[NASA-CASE-MFS-20261] c 14 N71-27005

Resonant infrasonic gauging apparatus
[NASA-CASE-MSC-11847-1] c 14 N72-11363

Roll alignment detector
[NASA-CASE-GSC-10514-1] c 14 N72-20379

Cosmic dust sensor
[NASA-CASE-GSC-10503-1] c 14 N72-20381

Firefly pump-metering system
[NASA-CASE-GSC-10218-1] c 15 N72-21465

Capacitive tank gaging apparatus being independent of liquid distribution
[NASA-CASE-MFS-21629] c 14 N72-22442

Spherical measurement device
[NASA-CASE-XLA-06683] c 14 N72-28436

Altitude measuring system
[NASA-CASE-ERC-10412-1] c 09 N73-12211

Flow velocity and directional instrument
[NASA-CASE-LAR-10855-1] c 14 N73-13415

Multi axes vibration fixtures
[NASA-CASE-MFS-20242] c 14 N73-19421

Material fatigue testing system
[NASA-CASE-MFS-20673] c 14 N73-20476

Droplet monitoring probe
[NASA-CASE-NPO-10985] c 14 N73-20478

Apparatus and method for measuring the Seebeck coefficient and resistivity of materials
[NASA-CASE-NPO-11749] c 14 N73-28486

RF-source resistance meters
[NASA-CASE-NPO-11291-1] c 14 N73-30388

Apparatus for absolute pressure measurement
[NASA-CASE-LAR-10000] c 14 N73-30394

Holographic thin film analyzer
[NASA-CASE-MFS-20823-1] c 16 N73-30476

Three-axis adjustable loading structure
[NASA-CASE-FRC-10051-1] c 35 N74-13129

Thin film gauge --- for measuring convective heat transfer rates along test surfaces in wind tunnels
[NASA-CASE-NPO-10617-1] c 35 N74-22095

Apparatus and method for processing Korotkov sounds --- for blood pressure measurement
[NASA-CASE-MSC-13999-1] c 52 N74-26626

Electric field measuring and display system --- for cloud formations
[NASA-CASE-KSC-10731-1] c 33 N74-27862

Device for measuring tensile forces
[NASA-CASE-MFS-21728-1] c 35 N74-27865

Measuring probe position recorder
[NASA-CASE-LAR-10806-1] c 35 N74-32877

Meter for use in detecting tension in straps having predetermined elastic characteristics
[NASA-CASE-MFS-22189-1] c 35 N75-19615

Thrust measurement
[NASA-CASE-XMS-05731] c 35 N75-28382

Method and apparatus for measuring web material wound on a reel
[NASA-CASE-GSC-11902-1] c 38 N77-17495

Optical instrument employing reticle having preselected visual response pattern formed thereon
[NASA-CASE-ARC-10976-1] c 74 N77-22950

Direct reading inductance meter
[NASA-CASE-NPO-13792-1] c 35 N77-32455

Ruler for making navigational computations
[NASA-CASE-XNP-01458] c 04 N78-17031

Apparatus for handling micron size range particulate material
[NASA-CASE-NPO-10151] c 37 N78-17386

Apparatus for measuring a sorbate dispersed in a fluid stream
[NASA-CASE-ARC-10896-1] c 35 N78-19485

Condition sensor system and method
[NASA-CASE-MSC-14805-1] c 54 N78-32720

Lightning current waveform measuring system
[NASA-CASE-KSC-11018-1] c 33 N79-10337

Time domain phase measuring apparatus
[NASA-CASE-GSC-12228-1] c 33 N79-10338

Fluid velocity measuring device
[NASA-CASE-LAR-11729-1] c 34 N79-12359

Method and apparatus for measuring minority carrier lifetimes and bulk diffusion length in P-N junction solar cells
[NASA-CASE-NPO-14100-1] c 44 N79-12541

Lightning current detector
[NASA-CASE-KSC-11057-1] c 33 N79-14305

Contour measurement system
[NASA-CASE-MFS-23726-1] c 43 N79-26439

Borehole geological assessment
[NASA-CASE-NPO-14231-1] c 46 N80-10709

Displacement probes with self-contained exciting medium
[NASA-CASE-LAR-11690-1] c 35 N80-14371

Viscosity measuring instrument
[NASA-CASE-NPO-14501-1] c 35 N80-18357

Geological assessment probe
[NASA-CASE-NPO-14558-1] c 46 N80-24906

Method and automated apparatus for detecting coliform organisms
[NASA-CASE-MSC-16777-1] c 51 N80-27067

Skin friction measuring device for aircraft
[NASA-CASE-FRC-11029-1] c 06 N81-17057

Heat pipe cooled probe
[NASA-CASE-LAR-12588-1] c 44 N81-24525

Faraday rotation measurement method and apparatus
[NASA-CASE-NPO-14839-1] c 35 N82-15381

Lightning discharge identification system
[NASA-CASE-KSC-11099-1] c 47 N82-24779

Temperature averaging thermal probe
[NASA-CASE-GSC-12795-1] c 35 N83-20085

Flow resistivity instrument
[NASA-CASE-LAR-13053-1] c 43 N83-29783

Non-invasive method and apparatus for measuring pressure within a pliable vessel
[NASA-CASE-ARC-11264-2] c 52 N83-29991

MECHANICAL DEVICES

Mechanical coordinate converter Patent
[NASA-CASE-XNP-00614] c 14 N70-36907

Load cell protection device Patent
[NASA-CASE-XMS-06782] c 32 N71-15974

Satellite despin device Patent
[NASA-CASE-XMF-08523] c 31 N71-20396

Two force component measuring device Patent
[NASA-CASE-XAC-04886-1] c 14 N71-20439

Latching mechanism Patent
[NASA-CASE-XMS-03745] c 15 N71-21078

Stirring apparatus for plural test tubes Patent
[NASA-CASE-XAC-06956] c 15 N71-21177

Random function tracer Patent
[NASA-CASE-XLA-01401] c 15 N71-21179

Canister closing device Patent
[NASA-CASE-XLA-01446] c 15 N71-21528

Nonmagnetic, explosive actuated indexing device Patent
[NASA-CASE-XGS-02422] c 15 N71-21529

Central spar and module joint Patent
[NASA-CASE-XNP-02341] c 15 N71-21531

Controllers Patent
[NASA-CASE-XMS-07487] c 15 N71-23255

Alloys for bearings Patent
[NASA-CASE-XLE-05033] c 15 N71-23810

Mechanical actuator Patent
[NASA-CASE-XGS-04548] c 15 N71-24045

Winch having cable position and load indicators Patent
[NASA-CASE-MSC-12052-1] c 15 N71-24599

Redundant actuating mechanism Patent
[NASA-CASE-XGS-08718] c 15 N71-24600

Shock tube powder dispersing apparatus Patent
[NASA-CASE-XLE-04948] c 17 N71-24911

Self-lubricating gears and other mechanical parts Patent
[NASA-CASE-MFS-14971] c 15 N71-24984

Layout tool Patent
[NASA-CASE-FRC-10005] c 15 N71-26145

Thermostatic actuator
[NASA-CASE-NPO-10637] c 15 N72-12409

Ball screw linear actuator
[NASA-CASE-NPO-11222] c 15 N72-25456

Spherical measurement device
[NASA-CASE-XLA-06683] c 14 N72-28436

Thermal compensating structural member
[NASA-CASE-MFS-20433] c 15 N72-28496

Spiral groove seal
[NASA-CASE-XLE-10326-2] c 15 N72-29488

Solar energy powered heliotrope
[NASA-CASE-GSC-10945-1] c 21 N72-31637

Adjustable force probe
[NASA-CASE-MFS-20760] c 14 N72-33377

Rotary actuator
[NASA-CASE-NPO-10680] c 31 N73-14855

Collapsible structure for an antenna reflector
[NASA-CASE-NPO-11751] c 07 N73-24176

Foot pedal operated fluid type exercising device
[NASA-CASE-MSC-11561-1] c 05 N73-32014

Exposure interlock for oscilloscope cameras
[NASA-CASE-LAR-10319-1] c 14 N73-32322

Reeling system
[NASA-CASE-LAR-10129-2] c 37 N74-20063

Sprag solenoid brake --- development and operations of electrically controlled brake
[NASA-CASE-MFS-21846-1] c 37 N74-26976

Solid medium thermal engine
[NASA-CASE-ARC-10461-1] c 44 N74-33379

Automatic inoculating apparatus --- includes movable carriage, drive motor, and swabbing motor
[NASA-CASE-LAR-11074-1] c 51 N75-13502

Clock setter
[NASA-CASE-LAR-11458-1] c 35 N76-16392

Apparatus for positioning modular components on a vertical or overhead surface
[NASA-CASE-LAR-11465-1] c 37 N76-21554

Reel safety brake
[NASA-CASE-GSC-11960-1] c 37 N77-14479

Mechanical sequencer
[NASA-CASE-MSC-19536-1] c 37 N77-22482

Combined docking and grasping device
[NASA-CASE-MFS-23088-1] c 37 N77-23483

Wrist joint assembly
[NASA-CASE-MFS-23311-1] c 54 N78-17676

Tetherline system for orbiting satellites
[NASA-CASE-MFS-23564-1] c 15 N78-25119

Actuator mechanism
[NASA-CASE-GSC-11883-2] c 37 N78-31426

Quartz ball valve
[NASA-CASE-NPO-14473-1] c 37 N80-23654

Method and apparatus for holding two separate metal pieces together for welding
[NASA-CASE-GSC-12318-1] c 37 N80-23655

Heat treat fixture and method of heat treating
[NASA-CASE-LAR-11821-1] c 26 N80-28492

Fire extinguishing apparatus having a slidable mass for a penetrator nozzle --- for penetrating aircraft and shuttle orbiter skin
[NASA-CASE-KSC-11064-1] c 31 N81-14137

Device for coupling a first vehicle to a second vehicle
[NASA-CASE-GSC-12429-1] c 37 N81-14320

Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-2] c 52 N81-25661

Clamp-mount device
[NASA-CASE-MFS-25510-1] c 37 N82-11470

Magnetic heading reference
[NASA-CASE-LAR-12638-1] c 44 N82-24716

Reusable captive blind fastener
[NASA-CASE-MSC-18742-1] c 37 N82-26673

Self-locking mechanical center joint --- for space construction
[NASA-CASE-LAR-12864-1] c 37 N82-29606

Mechanical end joint system for structural column elements
[NASA-CASE-LAR-12482-1] c 37 N82-32732

Method and apparatus for gripping uniaxial fibrous composite materials --- holding specimens for mechanical property testing
[NASA-CASE-LEW-13758-1] c 24 N83-12176

Compression test apparatus
[NASA-CASE-MSC-18723-1] c 35 N83-21312

Apparatus for accurately preloading auger attachment means for frangible protective material
[NASA-CASE-MSC-18791-1] c 37 N83-36482

MECHANICAL DRIVES

Hydraulic drive mechanism Patent
[NASA-CASE-XMS-03252] c 15 N71-10658

Anti-backlash circuit for hydraulic drive system Patent
[NASA-CASE-XNP-01020] c 03 N71-12260

Precision stepping drive Patent
[NASA-CASE-MFS-14772] c 15 N71-17692

Incremental motion drive system Patent
[NASA-CASE-XNP-08897] c 15 N71-17694

Ratchet mechanism Patent
[NASA-CASE-MFS-12805] c 15 N71-17805

Welding skate with computerized control Patent
[NASA-CASE-XMF-07069] c 15 N71-23815

Reversible motion drive system Patent
[NASA-CASE-NPO-10173] c 15 N71-24696

Synchronous dc direct drive system Patent
[NASA-CASE-GSC-10065-1] c 10 N71-27136

Energy absorption device Patent
[NASA-CASE-XNP-01848] c 15 N71-28959

Boring bar drive mechanism Patent
[NASA-CASE-XLA-03661] c 15 N71-33518

Rotary actuator
[NASA-CASE-NPO-10244] c 15 N72-26371

Rotary actuator
[NASA-CASE-NPO-10680] c 31 N73-14855

Optically actuated two position mechanical mover
[NASA-CASE-NPO-13105-1] c 37 N74-21060

- Two speed drive system --- mechanical device for changing speed on rotating vehicle wheel
[NASA-CASE-MFS-20645-1] c 37 N74-23070
- Concentric differential gearing arrangement
[NASA-CASE-ARC-10462-1] c 37 N74-27901
- Geneva mechanism --- including star wheel and driver
[NASA-CASE-NPO-13281-1] c 37 N75-13266
- Mechanical thermal motor
[NASA-CASE-MFS-23062-1] c 37 N77-12402
- Mount for continuously orienting a collector dish in a system adapted to perform both diurnal and seasonal solar tracking
[NASA-CASE-MFS-23267-1] c 35 N77-20401
- Hydraulic drain means for servo-systems
[NASA-CASE-NPO-10316-1] c 37 N77-22479
- Mechanical sequencer
[NASA-CASE-MSC-19536-1] c 37 N77-22482
- Gas turbine engine with convertible accessories
[NASA-CASE-LEW-12390-1] c 07 N78-17056
- Wobble gear drive mechanism --- for aerospace environments
[NASA-CASE-WOO-00625] c 37 N78-17385
- Toggle mechanism for pinching metal tubes
[NASA-CASE-GSC-12274-1] c 37 N79-28550
- Antenna deployment mechanism for use with a spacecraft --- extensible and retractable telescopic antenna mast
[NASA-CASE-GSC-12331-1] c 18 N80-14183
- Redundant motor drive system
[NASA-CASE-MFS-23777-1] c 37 N80-32716
- Belt for transmitting power from a cogged driving member to a cogged driven member
[NASA-CASE-GSC-12289-1] c 37 N80-32717
- Base drive for paralleled inverter systems
[NASA-CASE-NPO-14163-1] c 33 N81-14220
- Speed control device for a heavy duty shaft --- solar sails for spacecraft propulsion
[NASA-CASE-NPO-14170-1] c 37 N81-15364
- Clutchless multiple drive source for output shaft
[NASA-CASE-ARC-11325-1] c 37 N82-22496
- Electrical rotary joint apparatus for large space structures
[NASA-CASE-MFS-23981-1] c 07 N83-20944
- Variable speed drive
[NASA-CASE-GSC-12643-1] c 37 N83-26078
- MECHANICAL ENGINEERING**
- Manual actuator --- for spacecraft exercising machines
[NASA-CASE-MFS-21481-1] c 37 N74-18127
- Shaft seal assembly for high speed and high pressure applications
[NASA-CASE-LEW-11873-1] c 37 N79-22475
- MECHANICAL MEASUREMENT**
- Strain gage Patent Application
[NASA-CASE-FRC-10053] c 14 N70-35587
- Apparatus for absorbing and measuring power Patent
[NASA-CASE-XLE-00720] c 14 N70-40201
- Strain sensor for high temperatures Patent
[NASA-CASE-XNP-09205] c 14 N71-17657
- Extensometer Patent
[NASA-CASE-XMF-04680] c 15 N71-19489
- Hall effect transducer
[NASA-CASE-LAR-10620-1] c 09 N72-25255
- Strain gage mounting assembly
[NASA-CASE-NPO-13170-1] c 35 N76-14430
- Photomechanical transducer
[NASA-CASE-NPO-14363-1] c 39 N81-25400
- Cervix-to-rectum measuring device in a radiation applicator for use in the treatment of cervical cancer
[NASA-CASE-GSC-12081-2] c 52 N82-22875
- MECHANICAL PROPERTIES**
- High temperature testing apparatus Patent
[NASA-CASE-XLE-00335] c 14 N70-35368
- MECHANICS (PHYSICS)**
- Gravity stabilized flying vehicle Patent
[NASA-CASE-MSC-12111-1] c 02 N71-11039
- MECHANIZATION**
- Machine for use in monitoring fatigue life for a plurality of elastomeric specimens
[NASA-CASE-NPO-13731-1] c 39 N78-10493
- MEDICAL ELECTRONICS**
- Circuit for detecting initial systole and diastolic notch --- for monitoring arterial pressure
[NASA-CASE-LEW-11581-1] c 54 N75-13531
- Pocket ECG electrode
[NASA-CASE-ARC-11258-1] c 52 N80-33081
- Subcutaneous electrode structure
[NASA-CASE-ARC-11117-1] c 52 N81-14612
- MEDICAL EQUIPMENT**
- Biomedical electrode arrangement Patent
[NASA-CASE-XFR-10856] c 05 N71-11189
- Method and system for respiration analysis Patent
[NASA-CASE-XFR-08403] c 05 N71-11202
- Laser machining apparatus Patent
[NASA-CASE-HQN-10541-2] c 15 N71-27135
- Telemetry actuated switch
[NASA-CASE-ARC-10105] c 09 N72-17153
- Tilting table for ergometer and for other biomedical devices
[NASA-CASE-MFS-21010-1] c 05 N73-30078
- Automatic instrument for chemical processing to detect microorganism in biological samples by measuring light reactions
[NASA-CASE-GSC-11169-2] c 05 N73-32011
- Servo-controlled intravital microscope system
[NASA-CASE-NPO-13214-1] c 35 N75-25123
- Heat sterilizable patient ventilator
[NASA-CASE-NPO-13313-1] c 54 N75-27761
- Medical subject monitoring systems --- multichannel monitoring systems
[NASA-CASE-MSC-14180-1] c 52 N76-14757
- Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-1] c 54 N76-22914
- Readout electrode assembly for measuring biological impedance
[NASA-CASE-ARC-10816-1] c 35 N76-24525
- Corneal seal device
[NASA-CASE-LEW-12258-1] c 52 N77-28716
- Snap-in compressible biomedical electrode
[NASA-CASE-MSC-14623-1] c 52 N77-28717
- Tissue macerating instrument
[NASA-CASE-LEW-12668-1] c 52 N78-14773
- Flow compensating pressure regulator
[NASA-CASE-LEW-12718-1] c 34 N78-25351
- Intra-ocular pressure normalization technique and equipment
[NASA-CASE-LEW-12723-1] c 52 N80-18690
- Micro-fluid exchange coupling apparatus
[NASA-CASE-ARC-11114-1] c 51 N81-14605
- Urine collection device
[NASA-CASE-MSC-16433-1] c 52 N81-24711
- Spine immobilization apparatus
[NASA-CASE-ARC-11167-1] c 52 N81-25662
- Low X-ray absorption aneurysm clips
[NASA-CASE-LAR-12650-1] c 52 N81-29768
- Cervix-to-rectum measuring device in a radiation applicator for use in the treatment of cervical cancer
[NASA-CASE-GSC-12081-2] c 52 N82-22875
- Acoustic tooth cleaner
[NASA-CASE-LAR-12471-1] c 52 N82-29862
- Ion beam sputter-etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-1] c 52 N83-21785
- System and method for moving a probe to follow movements of tissue
[NASA-CASE-NPO-15197-1] c 52 N83-25346
- MELTING**
- Hot melt recharge system
[NASA-CASE-LAR-12881-1] c 27 N82-26464
- Induction heating gun
[NASA-CASE-LAR-13181-1] c 33 N83-29591
- Hot melt adhesive attachment pad
[NASA-CASE-LAR-12894-1] c 27 N83-34044
- MELTING POINTS**
- Mixed diamines for lower melting addition polyimide preparation and utilization
[NASA-CASE-LAR-12054-1] c 27 N79-33316
- Low thrust monopropellant engine
[NASA-CASE-GSC-12194-2] c 20 N82-18314
- MELTS (CRYSTAL GROWTH)**
- Growth of silicon carbide crystals on a seed while pulling silicon crystals from a melt
[NASA-CASE-NPO-13969-1] c 76 N79-23798
- Preparation of monotelectic alloys having a controlled microstructure by directional solidification under dopant-induced interface breakdown
[NASA-CASE-MFS-23816-1] c 26 N80-23419
- Means for growing ribbon crystals without subjecting the crystals to thermal shock-induced strains
[NASA-CASE-NPO-14298-1] c 76 N80-32244
- Apparatus for use in the production of ribbon-shaped crystals from a silicon melt
[NASA-CASE-NPO-14297-1] c 33 N81-19389
- Electromigration process for the purification of molten silicon during crystal growth
[NASA-CASE-NPO-14831-1] c 76 N82-30105
- Total immersion crystal growth --- using a melt covered with an encapsulating fluid
[NASA-CASE-NPO-15800-1] c 76 N83-15149
- Controlled in situ etch-back
[NASA-CASE-NPO-15625-1] c 76 N83-20789
- Apparatus and method for heating a material in a transparent ampoule --- crystal growth
[NASA-CASE-MFS-25436-1] c 27 N83-36220
- MEMBRANE STRUCTURES**
- Liquid junction and method of fabricating the same Patent Application
[NASA-CASE-NPO-10682] c 15 N70-34699
- Measuring device Patent
[NASA-CASE-XMS-01546] c 14 N70-40233
- Flexible composite membrane Patent
[NASA-CASE-XNP-08837] c 18 N71-16210
- Fluid impervious barrier including liquid metal alloy and method of making same Patent
[NASA-CASE-XNP-08881] c 17 N71-28747
- Meteoroid capture cell construction
[NASA-CASE-MSC-12423-1] c 91 N76-30131
- Strong thin membrane structure --- solar sails
[NASA-CASE-NPO-14021-2] c 27 N80-16163
- In-situ cross linking of polyvinyl alcohol --- application to battery separator films
[NASA-CASE-LEW-13135-2] c 27 N81-24257
- Separator for alkaline batteries and method of making same
[NASA-CASE-GSC-10350-1] c 44 N82-24642
- Separator for alkaline electric batteries and method of making
[NASA-CASE-GSC-10018-1] c 44 N82-24644
- Optical fiber tactile sensor
[NASA-CASE-NPO-15375-1] c 74 N83-18485
- MEMBRANES**
- Apparatus for measuring swelling characteristics of membranes
[NASA-CASE-XGS-03865] c 14 N69-21363
- Mixture separation cell Patent
[NASA-CASE-XMS-02952] c 18 N71-20742
- Ionene membrane separator
[NASA-CASE-NPO-11091] c 18 N72-22567
- Dual membrane hollow fiber fuel cell and method of operating same
[NASA-CASE-NPO-13732-1] c 44 N79-10513
- Microelectrophoretic apparatus and process
[NASA-CASE-ARC-11121-1] c 25 N79-14169
- Dialysis system --- using ion exchange resin membranes permeable to urea molecules
[NASA-CASE-NPO-14101-1] c 52 N80-14687
- Method of forming dynamic membrane on stainless steel support
[NASA-CASE-MSC-18172-1] c 26 N80-19237
- Reverse osmosis membrane of high urea rejection properties --- water purification
[NASA-CASE-ARC-10980-1] c 27 N80-23452
- Membrane consisting of polyquaternary amine ion exchange polymer network interpenetrating the chains of thermoplastic matrix polymer
[NASA-CASE-NPO-14001-1] c 27 N81-14076
- Asymmetric polyimide separation membrane and method
[NASA-CASE-NPO-15431-1] c 25 N81-29178
- Air removal device --- life support systems
[NASA-CASE-XLA-8914-2] c 25 N82-21269
- Process of treating cellulosic membrane and alkaline with membrane separator
[NASA-CASE-GSC-10019-1] c 44 N82-24641
- Method for the preparation of thin-skinned asymmetric reverse osmosis membranes and products thereof
[NASA-CASE-ARC-11359-1] c 27 N82-28444
- Aqueous alkali metal hydroxide insoluble cellulose ether membrane
[NASA-CASE-XGS-05584-1] c 25 N82-29370
- MEMORY**
- Method for making conductors for ferromagnetic memory arrays --- from pre-formed metal conductors
[NASA-CASE-LAR-10994-1] c 24 N75-13032
- MERCURY (METAL)**
- Mercury capillary interrupter Patent
[NASA-CASE-XNP-02251] c 12 N71-20896
- Method of forming ceramic to metal seal Patent
[NASA-CASE-XNP-01263-2] c 15 N71-26312
- Feed system for an ion thruster
[NASA-CASE-NPO-10737] c 28 N72-11709
- MERCURY CADMIUM TELLURIDES**
- Method of preparing radially homogeneous mercury cadmium telluride crystals
[NASA-CASE-MFS-25786-1] c 76 N83-18533
- MERCURY VAPOR**
- Mercury capillary interrupter Patent
[NASA-CASE-XNP-02251] c 12 N71-20896
- Rotating shaft seal Patent
[NASA-CASE-NPO-02862-1] c 15 N71-26294
- METABOLIC WASTES**
- Cooling system for removing metabolic heat from an hermetically sealed space suit
[NASA-CASE-ARC-11059-1] c 54 N78-32721
- Method and automated apparatus for detecting coliform organisms
[NASA-CASE-MSC-16777-1] c 51 N80-27067
- METABOLISM**
- Automated analysis of oxidative metabolites
[NASA-CASE-ARC-10469-1] c 25 N75-12086
- Process for control of cell division
[NASA-CASE-LAR-10773-3] c 51 N77-25769
- Metabolic rate meter and method
[NASA-CASE-MSC-12239-1] c 52 N79-21750
- METAL BONDING**
- Bonding thermoelectric elements to nonmagnetic refractory metal electrodes
[NASA-CASE-XGS-04554] c 15 N69-39786

Method of making a diffusion bonded refractory coating Patent
[NASA-CASE-XLE-01604-2] c 15 N71-15610

Metal valve pintle with encapsulated elastomeric body Patent
[NASA-CASE-MSC-12116-1] c 15 N71-17648

Apparatus for the determination of the existence or non-existence of a bonding between two members Patent
[NASA-CASE-MFS-13686] c 15 N71-18132

Soldering with solder flux which leaves corrosion resistant coating Patent
[NASA-CASE-XNP-03459] c 15 N71-21078

Bonded elastomeric seal for electrochemical cells Patent
[NASA-CASE-XGS-02631] c 03 N71-23006

Silicon solar cell with cover glass bonded to cell by metal pattern Patent
[NASA-CASE-XLE-08569] c 03 N71-23449

Positive contact resistance soldering unit
[NASA-CASE-KSC-10242] c 15 N72-23497

Bonding or repairing process
[NASA-CASE-MSC-12357] c 15 N73-12489

Totally confined explosive welding --- apparatus to reduce noise level and protect personnel during explosive bonding
[NASA-CASE-LAR-10941-1] c 37 N74-21057

Ultrasonically bonded valve assembly
[NASA-CASE-NPO-13360-1] c 37 N75-25185

Bimetallic junctions
[NASA-CASE-LEW-11573-1] c 26 N77-28265

Heat exchanger and method of making --- bonding rocket chambers with a porous metal matrix
[NASA-CASE-LEW-12441-1] c 34 N79-13289

Totally confined explosive welding
[NASA-CASE-LAR-10941-2] c 37 N79-13364

Method and apparatus for holding two separate metal pieces together for welding
[NASA-CASE-GSC-12318-1] c 37 N80-23655

Heat exchanger and method of making --- rocket lining
[NASA-CASE-LEW-12441-2] c 34 N80-24573

Aluminum ion-containing polyimide adhesives
[NASA-CASE-LAR-12640-1] c 27 N82-11206

X-ray determination of parts alignment
[NASA-CASE-MSC-20418-1] c 37 N83-17882

Insulation bonding test system
[NASA-CASE-MFS-25862-1] c 27 N83-19903

Thermal barrier coating system having improved adhesion
[NASA-CASE-LEW-1335901] c 27 N83-31855

Improved thermal barrier coating system
[NASA-CASE-LEW-13324-2] c 26 N83-34014

METAL COATINGS

Method of joining aluminum to stainless steel Patent
[NASA-CASE-MFS-07369] c 15 N71-20443

Soldering with solder flux which leaves corrosion resistant coating Patent
[NASA-CASE-XNP-03459] c 15 N71-21078

Thermal control coating Patent
[NASA-CASE-XLA-01995] c 18 N71-23047

Titanium-dihaloaluminum and niobium compounds Patent
[NASA-CASE-XNP-04023] c 06 N71-28808

Silicide coatings for refractory metals Patent
[NASA-CASE-XLE-10910] c 18 N71-29040

Selective nickel deposition
[NASA-CASE-LEW-10965-1] c 15 N72-25452

Wide temperature range electronic device with lead attachment
[NASA-CASE-ERC-10224-2] c 09 N73-27150

Panel for selectively absorbing solar thermal energy and the method of producing said panel
[NASA-CASE-MFS-22562-1] c 44 N76-14595

Ultraviolet light reflective coating
[NASA-CASE-GSC-11786-1] c 24 N76-24363

Metallic hot wire anemometer --- for high speed wind tunnel tests
[NASA-CASE-ARC-10911-1] c 35 N77-20400

Solar cell collector
[NASA-CASE-LEW-12552-1] c 44 N78-25527

Electromagnetic radiation energy arrangement --- coatings for solar energy absorption and infrared reflection
[NASA-CASE-WOO-00428-1] c 32 N79-19186

Method and apparatus for coating substrates using lasers
[NASA-CASE-LEW-13526-1] c 26 N82-22347

Light weight nickel battery plaque
[NASA-CASE-LEW-13349-1] c 44 N82-22673

Improved thermal barrier coating system
[NASA-CASE-LEW-13324-1] c 26 N82-26431

Electrodes for solid state devices
[NASA-CASE-NPO-15161-1] c 33 N82-26575

Improved nickel base coating alloy --- oxidation resistant coatings
[NASA-CASE-LEW-13834-1] c 26 N83-24639

METAL CUTTING

Metal shearing energy absorber
[NASA-CASE-HQN-10638-1] c 15 N73-30460

Vee-notching device --- with adjustable carriage
[NASA-CASE-MFS-20730-1] c 39 N74-13131

Hole cutter --- drill bits and rotating shaft
[NASA-CASE-MFS-22649-1] c 37 N75-25186

Method and tool for machining a transverse slot about a bore
[NASA-CASE-LAR-11855-1] c 37 N81-14319

METAL FATIGUE

Method for alleviating thermal stress damage in laminates
[NASA-CASE-LEW-12493-2] c 24 N81-26179

METAL FIBERS

Lightweight electrically-powered flexible thermal laminate --- made of metal and nonconductive yarns
[NASA-CASE-MSC-12662-1] c 33 N79-12331

METAL FILMS

Means and methods of depositing thin films on substrates Patent
[NASA-CASE-XNP-00595] c 15 N70-34967

Metallic film diffusion for boundary lubrication Patent
[NASA-CASE-XLE-01765] c 18 N71-10772

Bismuth-lead coatings for gas bearings used in atmospheric environments and vacuum chambers Patent
[NASA-CASE-XGS-02011] c 15 N71-20739

Metallic film diffusion for boundary lubrication Patent
[NASA-CASE-XLE-10337] c 15 N71-24046

Magnetic recording head and method of making same Patent
[NASA-CASE-GSC-10097-1] c 08 N71-27210

Light regulator
[NASA-CASE-LAR-10836-1] c 26 N72-27784

Deposition of alloy films --- on irregular shaped metal object
[NASA-CASE-LEW-11262-1] c 27 N74-13270

Multitarget sequential sputtering apparatus
[NASA-CASE-NPO-13345-1] c 37 N75-19684

Method of forming metal hydride films
[NASA-CASE-LEW-12083-1] c 37 N78-13436

Thin film strain transducer --- for strain monitoring of high altitude balloons
[NASA-CASE-WLP-10055-1] c 35 N82-26632

METAL FINISHING

Selective plating of etched circuits without removing previous plating Patent
[NASA-CASE-XGS-03120] c 15 N71-24047

Surface finishing --- for aircraft wings
[NASA-CASE-MSC-12631-1] c 24 N77-28225

METAL FOILS

Folding apparatus Patent
[NASA-CASE-XLA-00137] c 15 N70-33180

Thermal control of space vehicles Patent
[NASA-CASE-XLA-01291] c 33 N70-36617

Thermal radiation shielding Patent
[NASA-CASE-XLE-03432] c 33 N71-24145

Method of making porous conductive supports for electrodes --- by electroforming and stacking nickel foils
[NASA-CASE-GSC-11367-1] c 44 N74-19692

Method and apparatus for tensile testing of metal foil
[NASA-CASE-LAR-10208-1] c 35 N76-18400

Process for preparing high temperature polyimide film laminates
[NASA-CASE-LAR-12742-1] c 24 N81-12174

Hot foil transducer skin friction sensor
[NASA-CASE-LAR-12321-1] c 35 N82-24470

METAL FUELS

Preparing oxidizer coated metal fuel particles
[NASA-CASE-NPO-11975-1] c 28 N74-33209

METAL HALIDES

Process for making anhydrous metal halides
[NASA-CASE-LEW-11860-1] c 37 N76-18458

Direct current ballast circuit for metal halide lamp
[NASA-CASE-MSC-18407-1] c 33 N82-24427

High power metallic halide laser --- amplifying a copper chloride laser
[NASA-CASE-NPO-14782-1] c 36 N82-28616

Method and apparatus for convection control of metallic halide vapor density in a metallic halide laser
[NASA-CASE-NPO-15021-1] c 36 N83-10417

METAL HYDRIDES

Method of forming metal hydride films
[NASA-CASE-LEW-12083-1] c 37 N78-13436

METAL IONS

Metal containing polymers from cyclic tetrameric phenylphosphonotriamides Patent
[NASA-CASE-HQN-10364] c 06 N71-27363

Aluminum ion-containing polyimide adhesives
[NASA-CASE-LAR-12640-1] c 27 N82-11206

METAL JOINTS

Cryogenic connector for vacuum use Patent
[NASA-CASE-XGS-02441] c 15 N70-41629

Mechanical bonding of metal method
[NASA-CASE-LEW-12941-1] c 26 N83-10170

METAL MATRIX COMPOSITES

Reinforced metallic composites Patent
[NASA-CASE-XLE-02428] c 17 N70-33288

Process for producing dispersion strengthened nickel with aluminum Patent
[NASA-CASE-XLE-06969] c 17 N71-24142

Self-lubricating gears and other mechanical parts Patent
[NASA-CASE-MFS-14971] c 15 N71-24984

Refractory metal base alloy composites
[NASA-CASE-XLE-03940-2] c 17 N72-28536

Method of preparing graphite reinforced aluminum composite
[NASA-CASE-MFS-21077-1] c 24 N75-28135

Method of making reinforced composite structure
[NASA-CASE-LEW-12619-1] c 24 N77-19171

Heat exchanger and method of making --- bonding rocket chambers with a porous metal matrix
[NASA-CASE-LEW-12441-1] c 34 N79-13289

Preparation of monotelect alloys having a controlled microstructure by directional solidification under dopant-induced interface breakdown
[NASA-CASE-MFS-23816-1] c 26 N80-23419

Heat exchanger and method of making --- rocket lining
[NASA-CASE-LEW-12441-2] c 34 N80-24573

Method for alleviating thermal stress damage in laminates --- metal matrix composites
[NASA-CASE-LEW-12493-1] c 24 N81-17170

Method for alleviating thermal stress damage in laminates
[NASA-CASE-LEW-12493-2] c 24 N81-26179

Fuselage structure using advanced technology fiber reinforced composites
[NASA-CASE-LAR-11688-1] c 24 N82-26384

Method and apparatus for strengthening boron fibers --- high temperature oxidation
[NASA-CASE-LEW-13826-1] c 24 N82-26385

METAL OXIDE SEMICONDUCTORS

Gyator employing field effect transistors
[NASA-CASE-MFS-21433] c 09 N73-20232

Radiation hardening of MOS devices by boron --- for stabilizing gate threshold potential of field effect device
[NASA-CASE-GSC-11425-1] c 76 N74-20329

Integrated P-channel MOS gyator
[NASA-CASE-MFS-22343-1] c 33 N74-34638

Radiation hardening of MOS devices by boron --- for stabilizing gate threshold potential
[NASA-CASE-GSC-11425-2] c 76 N75-25730

Solar cell collector
[NASA-CASE-LEW-12552-1] c 44 N78-25527

Multilevel metallization method for fabricating a metal oxide semiconductor device
[NASA-CASE-MFS-23541-1] c 76 N79-14906

Method of making V-MOS field effect transistors utilizing a two-step anisotropic etching and ion implantation
[NASA-CASE-GSC-12515-1] c 33 N81-26360

Schottky barrier solar cell
[NASA-CASE-NPO-13689-2] c 44 N81-29525

Integrated photo-responsive metal oxide semiconductor circuit
[NASA-CASE-GSC-12782-1] c 33 N83-13360

GaAs Schottky barrier photo-responsive device and method of fabrication --- photovoltaic cells
[NASA-CASE-GSC-12816-1] c 76 N83-30268

High voltage v-groove solar cell
[NASA-CASE-LEW-13401-2] c 44 N83-32177

METAL OXIDES

Process for producing dispersion strengthened nickel with aluminum Patent
[NASA-CASE-XLE-06969] c 17 N71-24142

Photoetching of metal-oxide layers
[NASA-CASE-ERC-10108] c 06 N72-21094

Production of metal powders
[NASA-CASE-XLE-06461] c 17 N72-22530

Method for obtaining oxygen from lunar or similar soil
[NASA-CASE-MSC-12408-1] c 46 N74-13011

Method of forming dynamic membrane on stainless steel support
[NASA-CASE-MSC-18172-1] c 26 N80-19237

Method for depositing an oxide coating
[NASA-CASE-LEW-13131-1] c 44 N83-10494

Absorbable susceptor joining of ceramic surfaces
[NASA-CASE-NPO-15640-1] c 27 N83-19904

Method of forming oxide coatings --- for solar collector heating panels
[NASA-CASE-LEW-13132-1] c 27 N83-29388

METAL PARTICLES

Slug flow magnetohydrodynamic generator
[NASA-CASE-XLE-02083] c 03 N69-39983

Method of making a cermet Patent
[NASA-CASE-LEW-10219-1] c 18 N71-28729

Preparing oxidizer coated metal fuel particles
[NASA-CASE-NPO-11975-1] c 28 N74-33209

METAL PLATES

- Detector panels-micrometeoroid impact Patent
[NASA-CASE-XLA-05906] c 31 N71-16221
- Nuclear fuel elements
[NASA-CASE-XLE-00209] c 22 N73-32528
- Strain arrestor plate for fused silica tile --- bonding of thermal insulation to metallic plates or structural parts
[NASA-CASE-MS-14182-1] c 27 N76-14264
- Heat treat fixture and method of heat treating
[NASA-CASE-LAR-11821-1] c 26 N80-28492
- Multicolor printing plate joining
[NASA-CASE-LEW-13598-1] c 31 N83-17745

METAL POWDER

- Method of producing refractory bodies having controlled porosity Patent
[NASA-CASE-LEW-10393-1] c 17 N71-15468
- Sealing member and combination thereof and method of producing said sealing member Patent
[NASA-CASE-XMS-01625] c 15 N71-23022
- Shock tube powder dispersing apparatus Patent
[NASA-CASE-XLE-04946] c 17 N71-24911
- Preparation of high purity copper fluoride
[NASA-CASE-LEW-10794-1] c 06 N72-17093
- Production of metal powders
[NASA-CASE-XLE-06461] c 17 N72-22530
- Apparatus for producing metal powders
[NASA-CASE-XLE-06461-2] c 17 N72-28535
- Peen plating
[NASA-CASE-GSC-11163-1] c 15 N73-32360
- Electrodes for solid state devices
[NASA-CASE-NPO-15161-1] c 33 N82-26575

METAL SHEETS

- Light shield and infrared reflector for fatigue testing Patent
[NASA-CASE-XLA-01782] c 14 N71-26136
- Method of making pressure tight seal for super alloy
[NASA-CASE-LAR-10170-1] c 37 N74-11301
- Method of making an explosively welded scarf joint
[NASA-CASE-LAR-11211-1] c 37 N75-12326
- Process for making sheets with parallel pores of uniform size
[NASA-CASE-GSC-10984-1] c 37 N75-26371
- Apparatus for welding sheet material --- butt joints
[NASA-CASE-XMS-01330] c 37 N75-27376
- Method of bonding plasticized elastomer to metal and articles produced thereby
[NASA-CASE-MFS-25181-1] c 27 N82-24340

METAL SHELLS

- Shell tile thermal protection system
[NASA-CASE-LAR-12862-1] c 24 N83-17602

METAL SPINNING

- Spin forming tubular elbows Patent
[NASA-CASE-XMF-01083] c 15 N71-22723

METAL STRIPS

- Formed metal ribbon wrap Patent
[NASA-CASE-XLE-00164] c 15 N70-36411
- Interconnection of solar cells Patent
[NASA-CASE-XGS-01475] c 03 N71-11058
- Method of making tubes Patent
[NASA-CASE-XGS-04175] c 15 N71-18579
- High speed shutter --- electrically actuated ribbon loop for shuttering optical or fluid passageways
[NASA-CASE-ARC-10516-1] c 70 N74-21300

METAL SURFACES

- Condenser - Separator
[NASA-CASE-XLA-08645] c 15 N69-21465
- Plating nickel on aluminum castings Patent
[NASA-CASE-XNP-04148] c 17 N71-24830
- Process for applying black coating to metals Patent
[NASA-CASE-XLA-06199] c 15 N71-24875
- Process for reducing secondary electron emission Patent
[NASA-CASE-XNP-09469] c 24 N71-25555
- Method of forming ceramic to metal seal Patent
[NASA-CASE-XNP-01263-2] c 15 N71-26312
- Temperature reducing coating for metals subject to flame exposure Patent
[NASA-CASE-XLE-00035] c 33 N71-29151
- Thin film gauge --- for measuring convective heat transfer rates along test surfaces in wind tunnels
[NASA-CASE-NPO-10617-1] c 35 N74-22095
- Surface finishing
[NASA-CASE-MS-12631-3] c 27 N81-14077
- Improved refractory coatings --- sputtered coatings on substrates that form stable nitrides
[NASA-CASE-LEW-23169-2] c 26 N81-16209
- Method of cold welding using ion beam technology
[NASA-CASE-LEW-12982-1] c 37 N81-19455
- Corrosion resistant thermal barrier coating --- protecting gas turbines and other engine parts
[NASA-CASE-LEW-13088-1] c 26 N81-25188
- Overlay metallic-cermet alloy coating systems --- for gas turbine engines
[NASA-CASE-LEW-13639-1] c 27 N82-33522
- Coating with overlay metallic-cermet alloy systems
[NASA-CASE-LEW-13639-2] c 26 N83-17683

METAL VAPOR LASERS

- High power metallic halide laser --- amplifying a copper chloride laser
[NASA-CASE-NPO-14782-1] c 36 N82-28616
- Method and apparatus for convection control of metallic halide vapor density in a metallic halide laser
[NASA-CASE-NPO-15021-1] c 36 N83-10417

METAL VAPORS

- Slug flow magnetohydrodynamic generator
[NASA-CASE-XLE-02083] c 03 N69-39983
- Apparatus for making a metal slurry product Patent
[NASA-CASE-XLE-00010] c 15 N70-33382
- Inert gas metallic vapor laser
[NASA-CASE-NPO-13449-1] c 36 N75-32441
- Isotope separation using metallic vapor lasers
[NASA-CASE-NPO-13550-1] c 36 N77-26477

METAL WORKING

- Electric arc welding Patent
[NASA-CASE-XMF-00392] c 15 N70-34814
- Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114] c 15 N71-17650
- Protective device for machine and metalworking tools Patent
[NASA-CASE-XLE-01092] c 15 N71-22797
- Portable milling tool Patent
[NASA-CASE-XMF-03511] c 15 N71-22799
- Extrusion die for refractory metals Patent
[NASA-CASE-XLE-06773] c 15 N71-23817
- Magnetomotive metal working device Patent
[NASA-CASE-XMF-03793] c 15 N71-24833
- Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114-3] c 15 N71-24865
- Insert facing tool --- manually operated cutting tool for forming studs in honeycomb material
[NASA-CASE-MFS-21485-1] c 37 N74-25968
- Apparatus for forming dished ion thruster grids
[NASA-CASE-LEW-11694-2] c 37 N76-14481
- Holding fixture for a hot stamping press
[NASA-CASE-GSC-12619-1] c 37 N81-16470

METAL-METAL BONDING

- Method of joining aluminum to stainless steel Patent
[NASA-CASE-MFS-07369] c 15 N71-20443
- Honeycomb panel and method of making same Patent
[NASA-CASE-XMF-01402] c 18 N71-21651
- Capillary flow weld-bonding
[NASA-CASE-LAR-11726-1] c 37 N76-27568
- Method of cold welding using ion beam technology
[NASA-CASE-LEW-12982-1] c 37 N81-19455
- Mechanical bonding of metal method
[NASA-CASE-LEW-12941-1] c 26 N83-10170
- Joining lead wires to thin platinum alloy films
[NASA-CASE-LEW-13934-1] c 35 N83-35338

METALLIC GLASSES

- Glass compositions with a high modulus of elasticity --- nontoxic glass fibers
[NASA-CASE-HQN-10274-1] c 27 N82-29451
- High modulus invert analog glass compositions containing beryllia
[NASA-CASE-HQN-10931-2] c 27 N82-29452

METALLIZING

- Multilevel metallization method for fabricating a metal oxide semiconductor device
[NASA-CASE-MFS-23541-1] c 76 N79-14906

METALLOGRAPHY

- Method for etching copper Patent
[NASA-CASE-XGS-06306] c 17 N71-16044

METALLOSILOXANE POLYMER

- Thiophenyl ether disiloxanes and trisiloxanes useful as lubricant fluids
[NASA-CASE-MFS-22411-1] c 37 N74-21058

METALLURGY

- Induction furnace with perforated tungsten foil shielding Patent
[NASA-CASE-XLE-04026] c 14 N71-23267
- Method of purifying metallurgical grade silicon employing reduced pressure atmospheric control
[NASA-CASE-NPO-14474-1] c 26 N80-14229

METALS

- Transpiration cooled turbine blade manufactured from wires Patent
[NASA-CASE-XLE-00020] c 15 N70-33226
- Self-lubricating fluoride metal composite materials Patent
[NASA-CASE-XLE-08511] c 18 N71-23710
- Convoluting device for forming convolutions and the like Patent
[NASA-CASE-XNP-05297] c 15 N71-23811
- Forming tool for ribbon or wire
[NASA-CASE-XLA-05968] c 15 N72-12408
- Peen plating
[NASA-CASE-GSC-11163-1] c 15 N73-32360
- Glass-to-metal seals comprising relatively high expansion metals
[NASA-CASE-LEW-10698-1] c 37 N74-21063

- Scanning nozzle plating system --- for etching or plating metals on substrates without masking
[NASA-CASE-NPO-11758-1] c 31 N74-23065

- Production of pure metals
[NASA-CASE-LEW-10906-1] c 25 N74-30502

- Thermocouple tape --- developed from thermoelectrically different metals
[NASA-CASE-LEW-11072-2] c 35 N76-15434

- Method of forming shrink-fit compression seal
[NASA-CASE-LAR-11563-1] c 37 N77-23482

- Solar cells having integral collector grids
[NASA-CASE-LEW-12819-1] c 44 N79-11467

- Metal phthalocyanine polymers
[NASA-CASE-ARC-11405-1] c 27 N83-12239

- Phthalocyanine polymers
[NASA-CASE-ARC-11413-1] c 27 N83-14275

METASTABLE STATE

- Stabilization of He2(a 3 Sigma u+) molecules in liquid helium by optical pumping for vacuum UV laser 6
[NASA-CASE-NPO-13993-1] c 72 N79-13826

METEORITE COLLISIONS

- Pressurized panel
[NASA-CASE-XLA-08916-2] c 14 N73-28487

- Method of and device for determining the characteristics and flux distribution of micrometeorites --- scanning puncture holes in sheet material with photoelectric cell
[NASA-CASE-NPO-12127-1] c 91 N74-13130

METEORITES

- Method of making pressurized panel Patent
[NASA-CASE-XLA-08916] c 15 N71-29018

METEORITIC DAMAGE

- Meteoroid sensing apparatus having a coincidence network connected to a pair of capacitors Patent
[NASA-CASE-XLE-01246] c 14 N71-10797

METEOROID HAZARDS

- Meteoroid impact position locator aid for manned space station
[NASA-CASE-LAR-10629-1] c 35 N75-33367

METEOROID PROTECTION

- Aerodynamic protection for space flight vehicles Patent
[NASA-CASE-XNP-02507] c 31 N71-17679

METEOROLIDS

- Apparatus for photographing meteors
[NASA-CASE-LAR-10226-1] c 14 N73-19419

- Meteoroid capture cell construction
[NASA-CASE-MS-12423-1] c 91 N76-30131

METEOROLOGICAL BALLOONS

- Meteorological balloon Patent
[NASA-CASE-XMF-04163] c 02 N71-23007

METHANE

- Gas lubricant compositions Patent
[NASA-CASE-XLE-00353] c 18 N70-39897

- Toughening reinforced epoxy composites with brominated polymers additives
[NASA-CASE-ARC-11427-1] c 24 N83-25791

- Portable laser remote system for methane gas detection
[NASA-CASE-NPO-15790-1] c 36 N83-33137

METHYL ALCOHOLS

- Supercritical multicomponent solvent coal extraction
[NASA-CASE-NPO-15767-1] c 28 N82-12241

- Combustion engine system
[NASA-CASE-NPO-14565-2] c 25 N83-19826

METHYL CHLOROSILANES

- Process for producing tris (N-methylamino) methylsilane
[NASA-CASE-MFS-25721-1] c 25 N83-25811

METHYLENE

- Carboranyl-methylene-substituted phosphazenes, polymers thereof and process for the production thereof
[NASA-CASE-ARC-11370-1] c 27 N83-25884

MICHELSON INTERFEROMETERS

- Interferometer direction sensor Patent
[NASA-CASE-NPO-10320] c 14 N71-17655

- Interferometer servo system Patent
[NASA-CASE-NPO-10300] c 14 N71-17662

- Multispectral imaging system
[NASA-CASE-MS-12404-1] c 23 N73-13661

- Interferometer mirror tilt correcting system
[NASA-CASE-NPO-13687-1] c 35 N78-18391

MICROANALYSIS

- Plural output optometric sample cell and analysis system
[NASA-CASE-NPO-10233-1] c 74 N78-33913

MICROBALANCES

- Null-type vacuum microbalance Patent
[NASA-CASE-XAC-00472] c 15 N70-40180

- Microbalance --- for measuring particle mass
[NASA-CASE-MS-11242] c 35 N78-17358

MICROBALLOONS

- Method of forming frozen spheres in a force-free drop tower
[NASA-CASE-NPO-14845-1] c 27 N82-28442

MICROBIOLOGY

- Variable angle tube holder
[NASA-CASE-LAR-10507-1] c 11 N72-25284
- Apparatus for microbiological sampling — including automatic swabbing
[NASA-CASE-LAR-11069-1] c 35 N75-12272
- Automatic inoculating apparatus — includes movable carriage, drive motor, and swabbing motor
[NASA-CASE-LAR-11074-1] c 51 N75-13502
- Automatic microbial transfer device
[NASA-CASE-LAR-11354-1] c 35 N75-27330
- Application of luciferase assay for ATP to antimicrobial drug susceptibility
[NASA-CASE-GSC-12039-1] c 51 N77-22794
- Electrochemical detection device — for use in microbiology
[NASA-CASE-LAR-11922-1] c 25 N79-24073
- Indirect microbial detection
[NASA-CASE-LAR-12520-1] c 51 N81-28698

MICROCHANNELS

- Low intensity X-ray and gamma-ray spectrometer
[NASA-CASE-GSC-12587-1] c 35 N82-32659

MICROCRACKS

- System for detecting substructure microfractures and method therefore
[NASA-CASE-NPO-14192-1] c 39 N80-10507
- Method of fabricating an abrasible gas path seal
[NASA-CASE-LEW-13269-2] c 27 N83-17714
- Laser surface fusion of plasma sprayed ceramic turbine seals
[NASA-CASE-LEW-13269-1] c 18 N83-20996

MICROELECTRONICS

- Apparatus and method for separating a semiconductor wafer Patent
[NASA-CASE-ERC-10138] c 26 N71-14354
- Vibrophonocardiograph Patent
[NASA-CASE-XFR-07172] c 05 N71-27234
- Microelectronic module package Patent
[NASA-CASE-XMS-02182] c 10 N71-28783
- Method of coating through-holes Patent
[NASA-CASE-XMF-05999] c 15 N71-29032
- Microcircuit negative cutter
[NASA-CASE-XLA-09843] c 15 N72-27485
- Screened circuit capacitors
[NASA-CASE-LAR-10294-1] c 26 N72-28762
- Active tuned circuit
[NASA-CASE-GSC-11340-1] c 10 N72-33230
- Automatic visual inspection system for microelectronics
[NASA-CASE-NPO-13282] c 38 N78-17396
- Inductorless narrow-band filter/amplifier
[NASA-CASE-GSC-12410-1] c 33 N79-24260
- Method and apparatus for fabricating improved solar cell modules
[NASA-CASE-NPO-14416-1] c 44 N81-14389
- Method of making a high voltage V-groove solar cell
[NASA-CASE-LEW-13401-1] c 44 N82-29709
- Method for sequentially processing a multi-level interconnect circuit in a vacuum chamber
[NASA-CASE-MFS-15670-1] c 33 N82-33634

MICROFIBERS

- Small conductive particle sensor — microfiber size determination
[NASA-CASE-LAR-12552-1] c 35 N82-11431

MICROFILMS

- Apparatus for inspecting microfilm Patent
[NASA-CASE-MFS-20240] c 14 N71-26788

MICROINSTRUMENTATION

- Apparatus for handling micron size range particulate material
[NASA-CASE-NPO-10151] c 37 N78-17386

MICROMETEORITES

- Method of and device for determining the characteristics and flux distribution of micrometeorites — scanning puncture holes in sheet material with photoelectric cell
[NASA-CASE-NPO-12127-1] c 91 N74-13130
- Micrometeoroid velocity and trajectory analyzer
[NASA-CASE-GSC-11892-1] c 35 N76-15433

MICROMETEOROIDS

- Micrometeoroid velocity measuring device Patent
[NASA-CASE-XLA-00495] c 14 N70-41332
- Force transducer Patent
[NASA-CASE-XAC-01101] c 14 N70-41957
- Pressurized cell micrometeoroid detector Patent
[NASA-CASE-XLA-00936] c 14 N71-14996
- Detector panels-micrometeoroid impact Patent
[NASA-CASE-XLA-05906] c 31 N71-16221
- Rotary bead dropper and selector for testing micrometeorite detectors Patent
[NASA-CASE-XGS-03304] c 09 N71-22988
- Micrometeoroid penetration measuring device Patent
[NASA-CASE-XLA-00941] c 14 N71-23240
- Fabric for micrometeoroid protection garment Patent
[NASA-CASE-MSC-12109] c 18 N71-26285
- Micrometeoroid analyzer
[NASA-CASE-ARC-10443-1] c 14 N73-20477

- Meteoroid detector
[NASA-CASE-LAR-10483-1] c 14 N73-32327
- Deployable pressurized cell structure for a micrometeoroid detector
[NASA-CASE-LAR-10295-1] c 35 N74-21062
- Semiconductor projectile impact detector
[NASA-CASE-MFS-23008-1] c 35 N78-18390

MICROMETERS

- Apparatus for handling micron size range particulate material
[NASA-CASE-NPO-10151] c 37 N78-17386

MICROMINIATURIZATION

- Compensating radiometer
[NASA-CASE-XLA-04556] c 14 N69-27484

MICROORGANISMS

- Bacteriostatic conformal coating and methods of application Patent
[NASA-CASE-GSC-10007] c 18 N71-16046
- Vacuum probe surface sampler
[NASA-CASE-LAR-10623-1] c 14 N73-30395
- Measurement of gas production of microorganisms — using pressure sensors
[NASA-CASE-LAR-11326-1] c 35 N75-33368
- Biocontamination and particulate detection system
[NASA-CASE-NPO-13953-1] c 35 N79-28527
- Indirect microbial detection
[NASA-CASE-LAR-12520-1] c 51 N81-28698
- Method for treating wastewater using microorganisms and vascular aquatic plants
[NASA-CASE-NSTL-10-1] c 25 N82-25335
- Apparatus and process for microbial detection and enumeration
[NASA-CASE-LAR-12709-1] c 35 N82-28604
- Production of butanol by fermentation in the presence of co-culture of clostridium
[NASA-CASE-NPO-16203-1] c 44 N83-29806

MICROPARTICLES

- Micropacked column for a chromatographic system
[NASA-CASE-XNP-04816] c 06 N69-39936
- Powder fed sheared dispersal particle generator
[NASA-CASE-LAR-12785-1] c 34 N82-24448

MICROPHONES

- Audio signal processor Patent
[NASA-CASE-MSC-12223-1] c 07 N71-26181
- Vibrophonocardiograph Patent
[NASA-CASE-XFR-07172] c 05 N71-27234
- Wind tunnel microphone structure Patent
[NASA-CASE-XNP-00250] c 11 N71-28779
- High-temperature microphone system — for measuring pressure fluctuations in gases at high temperature
[NASA-CASE-LAR-12375-1] c 32 N79-24203
- Adapter for mounting a microphone flush with the external surface of the skin of a pressurized aircraft
[NASA-CASE-FRC-11072-1] c 05 N83-27975
- Carbon granule probe microphone for leak detection
[NASA-CASE-NPO-16027-1] c 33 N83-29595

MICROPROCESSORS

- Microcomputerized electric field meter diagnostic and calibration system
[NASA-CASE-KSC-11035-1] c 35 N78-28411
- Automatic multi-banking of memory for microprocessors
[NASA-CASE-NPO-15295-1] c 60 N82-11785

MICROSCOPES

- Absolute focus lock for microscopes
[NASA-CASE-LAR-10184] c 14 N72-22445
- Hand-held photomicroscope
[NASA-CASE-ARC-10468-1] c 14 N73-33361

MICROSTRIP TRANSMISSION LINES

- Thin conformal antenna array for microwave power conversions
[NASA-CASE-NPO-13886-1] c 32 N78-24391
- Multiple band circularly polarized microstrip antenna
[NASA-CASE-MSC-18334-1] c 32 N80-32604
- Cavity-backed, micro-strip dipole antenna array
[NASA-CASE-MSC-18606-1] c 32 N82-11336

MICROSTRUCTURE

- Method of producing refractory composites containing tantalum carbide, hafnium carbide, and hafnium boride Patent
[NASA-CASE-XLE-03940] c 18 N71-26153
- Refractory metal base alloy composites
[NASA-CASE-XLE-03940-2] c 17 N72-28536
- Diffusion welding — heat treatment of nickel alloys following single step vacuum welding process
[NASA-CASE-LEW-11388-2] c 37 N74-21055
- Method of determining bond quality of power transistors attached to substrates — X ray inspection of junction microstructure
[NASA-CASE-MFS-21931-1] c 37 N75-26372
- Preparation of monotelectic alloys having a controlled microstructure by directional solidification under dopant-induced interface breakdown
[NASA-CASE-MFS-23816-1] c 26 N80-23419

MICROTHRUST

- Annular slit collard thruster Patent
[NASA-CASE-GSC-10709-1] c 28 N71-25213
- Heated porous plug microthruster
[NASA-CASE-GSC-10640-1] c 28 N72-18766

MICROWAVE AMPLIFIERS

- Temperature-compensating means for cavity resonator of amplifier Patent
[NASA-CASE-NPO-00449] c 14 N70-35220
- Maser amplifier slow wave structure — detecting weak signals from spacecraft
[NASA-CASE-NPO-15211-1] c 36 N81-24425
- Resonant isolator for maser amplifier
[NASA-CASE-NPO-15201-1] c 36 N83-35350

MICROWAVE ANTENNAS

- Microwave power receiving antenna Patent
[NASA-CASE-MFS-20333] c 09 N71-13486
- Low noise single aperture multimode monopulse antenna feed system Patent
[NASA-CASE-XNP-01735] c 07 N71-22750
- Omnidirectional microwave spacecraft antenna Patent
[NASA-CASE-XLA-03114] c 09 N71-22888
- Validation device for spacecraft checkout equipment Patent
[NASA-CASE-XKS-10543] c 07 N71-26292
- Multi-purpose antenna employing dish reflector with plural coaxial horn feeds
[NASA-CASE-NPO-11264] c 07 N72-25174
- Omnidirectional slot antenna for mounting on cylindrical space vehicle
[NASA-CASE-LAR-10163-1] c 09 N72-25247
- Multiple reflection conical microwave antenna
[NASA-CASE-NPO-11661] c 07 N73-14130
- Thin conformal antenna array for microwave power conversions
[NASA-CASE-NPO-13886-1] c 32 N78-24391
- Cavity-backed, micro-strip dipole antenna array
[NASA-CASE-MSC-18606-1] c 32 N82-11336

MICROWAVE CIRCUITS

- Quasi-optical microwave component Patent
[NASA-CASE-ERC-10011] c 07 N71-29065
- Microwave integrated circuit for Josephson voltage standards
[NASA-CASE-MFS-23845-1] c 33 N81-17348

MICROWAVE COUPLING

- Indexing microwave switch Patent
[NASA-CASE-XNP-06507] c 09 N71-23548

MICROWAVE EQUIPMENT

- Array phasing device Patent
[NASA-CASE-ERC-10046] c 10 N71-18722
- Broadband microwave waveguide window Patent
[NASA-CASE-XNP-08880] c 09 N71-24808
- Dual frequency microwave reflex feed
[NASA-CASE-NPO-13091-1] c 09 N73-12214
- Resonant waveguide stark cell — using microwave spectrometers
[NASA-CASE-LAR-11352-1] c 33 N75-26245
- Refrigerated coaxial coupling — for microwave equipment
[NASA-CASE-NPO-13504-1] c 33 N75-30430
- Microwave dichroic plate
[NASA-CASE-GSC-12171-1] c 33 N79-28416
- Microwave field effect transistor
[NASA-CASE-GSC-12442-1] c 33 N82-20398

MICROWAVE FILTERS

- High power microwave power divider Patent
[NASA-CASE-NPO-11031] c 07 N71-33606
- High-Q bandpass resonators utilizing bandstop resonator pairs
[NASA-CASE-GSC-10990-1] c 09 N73-26195

MICROWAVE FREQUENCIES

- Varactor high level mixer
[NASA-CASE-XGS-02171] c 09 N69-24324
- Voltage tunable Gunn-type microwave generator Patent
[NASA-CASE-XER-07894] c 09 N71-18721
- Composite antenna feed
[NASA-CASE-GSC-11046-1] c 07 N73-28013

MICROWAVE OSCILLATORS

- Magnetically actuated tuning method for Gunn oscillators
[NASA-CASE-NPO-12106] c 09 N73-15235
- Electron beam controller — using magnetic field to refocus spent electron beam in microwave oscillator tube
[NASA-CASE-LEW-11617-1] c 33 N74-10195

MICROWAVE RADIOMETERS

- Method and means for providing an absolute power measurement capability Patent
[NASA-CASE-ERC-11020] c 14 N71-26774
- Electromagnetic power absorber
[NASA-CASE-NPO-13830-1] c 32 N80-14281
- Microwave limb sounder — measuring trace gases in the upper atmosphere
[NASA-CASE-NPO-14544-1] c 46 N82-12685

- CAT altitude avoidance system
[NASA-CASE-NPO-15351-1] c 06 N83-10040
- MICROWAVE REFLECTOMETERS**
Reflectometer for receiver input impedance match measurement Patent
[NASA-CASE-XNP-10843] c 07 N71-11267
- Microwave flaw detector Patent
[NASA-CASE-ARC-10009-1] c 15 N71-17822
- MICROWAVE RESONANCE**
Dual resonant cavity absorption cell Patent
[NASA-CASE-LAR-10305] c 14 N71-26137
- MICROWAVE SWITCHING**
Gyrator type circuit Patent
[NASA-CASE-XAC-10608-1] c 09 N71-12517
- Microwave switching power divider — antenna feeds
[NASA-CASE-GSC-12420-1] c 33 N82-16340
- MICROWAVE TRANSMISSION**
Frequency translating phase conjugation circuit for active retrodirective antenna array — microwave transmission
[NASA-CASE-NPO-14538-1] c 32 N81-14185
- Doppler radar having phase modulation of both transmitted and reflected return signals — rangefinding
[NASA-CASE-MS-C-18675-1] c 32 N81-29312
- Waveguide cooling system
[NASA-CASE-NPO-15401-1] c 32 N83-27085
- MICROWAVE TUBES**
Electrostatic collector for charged particles
[NASA-CASE-LEW-11192-1] c 09 N73-13208
- MICROWAVES**
Parametric microwave noise generator Patent
[NASA-CASE-XER-11019] c 09 N71-23598
- Method and apparatus for optical modulating a light signal Patent
[NASA-CASE-GSC-10216-1] c 23 N71-26722
- Waveguide mixer
[NASA-CASE-ERC-10179] c 07 N72-20141
- Microwave power transmission system wherein level of transmitted power is controlled by reflections from receiver
[NASA-CASE-MFS-21470-1] c 44 N74-19870
- Wide power range microwave feedback controller
[NASA-CASE-GSC-12146-1] c 33 N78-32340
- Microwave power transmission beam safety system
[NASA-CASE-NPO-14224-1] c 33 N80-18287
- MIDAIR COLLISIONS**
Apparatus for aiding a pilot in avoiding a midair collision between aircraft
[NASA-CASE-LAR-10717-1] c 21 N73-30641
- MILLIMETER WAVES**
Millimeter wave antenna system Patent Application
[NASA-CASE-GSC-10949-1] c 07 N71-28965
- Millimeter wave pumped parametric amplifier
[NASA-CASE-GSC-11617-1] c 33 N74-32660
- MILLING (MACHINING)**
Apparatus for machining geometric cones Patent
[NASA-CASE-XMS-04292] c 15 N71-22722
- Method and tool for machining a transverse slot about a bore
[NASA-CASE-LAR-11855-1] c 37 N81-14319
- Method for milling and drilling glass
[NASA-CASE-GSC-12636-1] c 31 N83-27058
- MILLING MACHINES**
Electro-optical alignment control system Patent
[NASA-CASE-XMF-00908] c 14 N70-40238
- Portable milling tool Patent
[NASA-CASE-XMF-03511] c 15 N71-22799
- Grinding arrangement for ball nose milling cutters
[NASA-CASE-LAR-10450-1] c 37 N74-27905
- MINERAL DEPOSITS**
Underground mineral extraction
[NASA-CASE-NPO-14140-1] c 31 N78-24387
- Underground mineral extraction
[NASA-CASE-NPO-14140-1] c 43 N81-26509
- MINERAL METABOLISM**
Method and system for in vivo measurement of bone tissue using a two level energy source
[NASA-CASE-MS-C-14276-1] c 52 N77-14737
- MINIATURE ELECTRONIC EQUIPMENT**
Miniature stress transducer Patent
[NASA-CASE-XNP-02983] c 14 N71-21091
- Transducer circuit and catheter transducer Patent
[NASA-CASE-ARC-10132-1] c 09 N71-24597
- Solid state television camera system Patent
[NASA-CASE-XMF-06092] c 07 N71-24612
- Miniature ingestible telemeter devices to measure deep-body temperature
[NASA-CASE-ARC-10583-1] c 52 N76-29894
- Miniature biaxial strain transducer
[NASA-CASE-LAR-11648-1] c 35 N77-14407
- MINIATURIZATION**
Miniature vibration isolator Patent
[NASA-CASE-XLA-01019] c 15 N70-40156
- Counter and shift register Patent
[NASA-CASE-XNP-01753] c 08 N71-22897
- Miniature carbon dioxide sensor and methods
[NASA-CASE-MS-C-13332-1] c 14 N72-21408
- Magnetometer with a miniature transducer and automatic scanning
[NASA-CASE-LAR-11617-2] c 35 N78-32397
- Miniature cyclotron resonance ion source using small permanent magnet
[NASA-CASE-NPO-14324-1] c 72 N80-27163
- Thumb actuated two axis controller
[NASA-CASE-ARC-11372-1] c 08 N83-12098
- Miniature electro-optical air flow sensor
[NASA-CASE-LAR-13065-1] c 74 N83-25539
- MINING**
Underground mineral extraction
[NASA-CASE-NPO-14140-1] c 31 N78-24387
- Coal-shale interface detection system
[NASA-CASE-MFS-23720-2] c 43 N80-14423
- Coal-shale interface detector
[NASA-CASE-MFS-23720-1] c 43 N80-23711
- Underground mineral extraction
[NASA-CASE-NPO-14140-1] c 43 N81-26509
- Longwall shearer tracking system
[NASA-CASE-MFS-25717-1] c 43 N83-14607
- High production shuttle car system for coal mines
[NASA-CASE-NPO-15949-1] c 37 N83-20155
- MINORITY CARRIERS**
Method of increasing minority carrier lifetime in silicon web or the like
[NASA-CASE-NPO-15530-1] c 76 N83-35888
- MIRRORS**
Pneumatic mirror support system
[NASA-CASE-XLA-03271] c 11 N69-24321
- Electromagnetic mirror drive system
[NASA-CASE-XLA-03724] c 14 N69-27481
- Interferometer servo system Patent
[NASA-CASE-NPO-10300] c 14 N71-17662
- Method and apparatus for stabilizing a gaseous optical maser Patent
[NASA-CASE-XGS-03644] c 16 N71-18614
- Optical mirror apparatus Patent
[NASA-CASE-ERC-10001] c 23 N71-24868
- Adjustable mount for a trihedral mirror Patent
[NASA-CASE-XNP-08907] c 23 N71-29123
- Optical range finder having nonoverlapping complete images
[NASA-CASE-MS-C-12105-1] c 14 N72-21409
- Optical system support apparatus
[NASA-CASE-XER-07896-2] c 23 N72-22673
- Strain gauge ambiguity sensor for segmented mirror active optical system
[NASA-CASE-MFS-20506-1] c 35 N75-12273
- Method for manufacturing mirrors in zero gravity environment
[NASA-CASE-MS-C-12611-1] c 12 N76-15189
- Method of and means for testing a glancing-incidence mirror system of an X-ray telescope
[NASA-CASE-MFS-22409-2] c 74 N78-15880
- Interferometer mirror tilt correcting system
[NASA-CASE-NPO-13687-1] c 35 N78-18391
- Anastigmatic three-mirror telescope
[NASA-CASE-MFS-23675-1] c 89 N79-10969
- Dual aperture multispectral Schmidt objective
[NASA-CASE-GSC-12756-1] c 74 N82-30073
- Optical system
[NASA-CASE-NPO-15801-1] c 74 N83-25541
- X-ray imaging mirror system and method of producing the same
[NASA-CASE-NPO-15828-1] c 74 N83-30222
- MIS (SEMICONDUCTORS)**
Photocapacitive image converter
[NASA-CASE-LAR-12513-1] c 44 N82-32841
- MISSILE CONTROL**
Turnstile slot antenna
[NASA-CASE-GSC-11428-1] c 32 N74-20864
- MISSILE LAUNCHERS**
Missile launch release system Patent
[NASA-CASE-XMF-03198] c 30 N70-40353
- Optical monitor panel Patent
[NASA-CASE-XKS-03509] c 14 N71-23175
- Controlled release device Patent
[NASA-CASE-XKS-03338] c 15 N71-24043
- MISSILE STRUCTURES**
Missile rolling tail brake torque system — simulating bearing friction on canard controlled missiles
[NASA-CASE-LAR-12751-1] c 37 N82-26675
- MISSILES**
Hypersonic airbreathing missile
[NASA-CASE-LAR-12264-1] c 15 N78-32168
- Fire protection covering for small diameter missiles
[NASA-CASE-ARC-11104-1] c 15 N79-26100
- MITOSIS**
Process for control of cell division
[NASA-CASE-LAR-10773-3] c 51 N77-25769
- MIXERS**
Variable mixer propulsion cycle
[NASA-CASE-LEW-12917-1] c 07 N78-18067
- MIXING CIRCUITS**
Varactor high level mixer
[NASA-CASE-XGS-02171] c 09 N69-24324
- Waveguide mixer
[NASA-CASE-ERC-10179] c 07 N72-20141
- MIXTURES**
Low gravity phase separator
[NASA-CASE-MS-C-14773-1] c 35 N78-12390
- MOBILITY**
Traveling wave solid state amplifier utilizing a semiconductor with negative differential mobility
[NASA-CASE-HQN-10069] c 33 N75-27251
- Mobile sampler for use in acquiring samples of terrestrial atmospheric gases
[NASA-CASE-NPO-15220-1] c 45 N83-25217
- MODE TRANSFORMERS**
Transient-compensated SCR inverter
[NASA-CASE-XLA-08507] c 09 N69-39984
- Dual waveguide mode source having control means for adjusting the relative amplitude of two modes Patent
[NASA-CASE-XNP-03134] c 07 N71-10676
- Direct current transformer
[NASA-CASE-MFS-23659-1] c 33 N79-17133
- MODEMS**
Charge storage diode modulators and demodulators
[NASA-CASE-NPO-10189-1] c 33 N77-21314
- MODES (STANDING WAVES)**
Acoustic levitation methods and apparatus
[NASA-CASE-NPO-15562-1] c 71 N82-27086
- MODULATION**
Demodulator for carrier transducers
[NASA-CASE-NUC-10107-1] c 33 N74-17930
- Faraday rotation measurement method and apparatus
[NASA-CASE-NPO-14839-1] c 35 N82-15381
- MODULATORS**
Retrodirective optical system
[NASA-CASE-XGS-04480] c 16 N69-27491
- Retrodirective modulator Patent
[NASA-CASE-GSC-10062] c 14 N71-15605
- Laser calibrator Patent
[NASA-CASE-XLA-03410] c 16 N71-25914
- Full wave modulator-demodulator amplifier apparatus — for generating rectified output signal
[NASA-CASE-FRC-10072-1] c 33 N74-14939
- Charge storage diode modulators and demodulators
[NASA-CASE-NPO-10189-1] c 33 N77-21314
- Solar energy modulator
[NASA-CASE-NPO-15388-1] c 44 N82-10496
- Coherently pulsed laser source
[NASA-CASE-NPO-15111-1] c 36 N82-29589
- MODULES**
Modular encoder
[NASA-CASE-NPO-10629] c 08 N72-18184
- Solar cell module assembly jig
[NASA-CASE-XGS-00829-1] c 44 N79-19447
- Method of fabricating a photovoltaic module of a substantially transparent construction
[NASA-CASE-NPO-14303-1] c 44 N80-18550
- MODULUS OF ELASTICITY**
Glass compositions with a high modulus of elasticity — nontoxic glass fibers
[NASA-CASE-HQN-10274-1] c 27 N82-29451
- High modulus invert analog glass compositions containing beryllia
[NASA-CASE-HQN-10931-2] c 27 N82-29452
- Non-toxic invert analog glass compositions of high modulus
[NASA-CASE-HQN-10328-2] c 27 N82-29454
- High modulus rare earth and beryllium containing silicate glass compositions — for glass reinforcing fibers
[NASA-CASE-HQN-10595-1] c 27 N82-29455
- MOISTURE**
Gas purged dry box glove Patent
[NASA-CASE-XLE-02531] c 05 N71-23080
- MOISTURE CONTENT**
Instrumentation for sensing moisture content of material using a transient thermal pulse
[NASA-CASE-NPO-15494-1] c 35 N82-25484
- Moisture content and gas sampling device — to test hermetically sealed electronic equipment
[NASA-CASE-MS-C-18866-1] c 35 N82-26634
- Trace water sensor
[NASA-CASE-NPO-15722-1] c 35 N83-20084
- MOISTURE METERS**
Method of evaluating moisture barrier properties of encapsulating materials Patent
[NASA-CASE-NPO-10051] c 18 N71-24934
- Instrumentation for sensing moisture content of material using a transient thermal pulse
[NASA-CASE-NPO-15494-1] c 35 N82-25484
- MOLDING MATERIALS**
Method for molding compounds Patent
[NASA-CASE-XLA-01091] c 15 N71-10672
- Method of making a molded connector Patent
[NASA-CASE-XMF-03498] c 15 N71-15986

- Hydraulic casting of liquid polymers Patent
[NASA-CASE-XNP-07659] c 06 N71-22975
- Hydroforming techniques using epoxy molds Patent
[NASA-CASE-XLE-05641-1] c 15 N71-26346
- Molding process for imidazopyrrolone polymers
[NASA-CASE-LAR-10547-1] c 31 N74-13177
- Evacuated displacement compression molding
[NASA-CASE-LAR-10782-1] c 31 N74-14133
- Molded composite pyrogen igniter for rocket motors --- solid propellant ignition
[NASA-CASE-LAR-12018-1] c 20 N78-24275
- Method of making a rocket nozzle
[NASA-CASE-XMF-06884-1] c 20 N79-21123
- MOLDS**
- Apparatus for making curved reflectors Patent
[NASA-CASE-XLE-08917-2] c 15 N71-24836
- Technique of duplicating fragile core
[NASA-CASE-XLA-07829] c 15 N72-16329
- Evacuated displacement compression molding
[NASA-CASE-LAR-10782-1] c 31 N74-14133
- Molding apparatus --- for thermosetting plastic compositions
[NASA-CASE-LAR-10489-2] c 31 N74-32920
- Evacuated, displacement compression mold --- of tubular bodies from thermosetting plastics
[NASA-CASE-LAR-10782-2] c 31 N75-13111
- Method of making an apertured casting --- using duplicate mold
[NASA-CASE-LEW-11169-1] c 37 N76-23570
- MOLECULAR BEAMS**
- Molecular beam velocity selector Patent
[NASA-CASE-XLE-01533] c 11 N71-10777
- Sputtering holes with ion beamlets
[NASA-CASE-LEW-11646-1] c 20 N74-31269
- MOLECULAR CHAINS**
- Viscoelastic cationic polymers containing the urethane linkage
[NASA-CASE-NPO-10830-1] c 27 N81-15104
- Ethynyl and substituted ethynyl-terminated polysulfones
[NASA-CASE-LAR-12931-1] c 23 N83-17590
- MOLECULAR GASES**
- Compact hydrogenator
[NASA-CASE-NPO-11682-1] c 35 N74-15127
- MOLECULAR PUMPS**
- Omni-directional anisotropic molecular trap Patent
[NASA-CASE-XGS-00783] c 30 N71-17788
- Rotating shaft seal Patent
[NASA-CASE-XNP-02862-1] c 15 N71-26294
- MOLECULAR RELAXATION**
- Double-beam optical method and apparatus for measuring thermal diffusivity and other molecular dynamic processes in utilizing the transient thermal lens effect
[NASA-CASE-NPO-14657-1] c 74 N81-17887
- MOLECULAR ROTATION**
- Diatomic infrared gasdynamic laser --- for producing different wavelengths
[NASA-CASE-ARC-10370-1] c 36 N75-31426
- MOLECULAR SPECTROSCOPY**
- Dual resonant cavity absorption cell Patent
[NASA-CASE-LAR-10305] c 14 N71-26137
- MOLECULES**
- Stabilization of He2(a 3 Sigma u+) molecules in liquid helium by optical pumping for vacuum UV laser 6
[NASA-CASE-NPO-13993-1] c 72 N79-13826
- Improved process for preparing perfluorotriazine elastomers and precursors thereof
[NASA-CASE-ARC-11402-1] c 27 N82-26462
- MOLTEN SALT ELECTROLYTES**
- Combined electrolysis device and fuel cell and method of operation Patent
[NASA-CASE-XLE-01645] c 03 N71-20904
- Zinc-halide battery with molten electrolyte
[NASA-CASE-NPO-11961-1] c 44 N76-18643
- MOLTEN SALTS**
- Molten salt pyrolysis of latex --- synthetic hydrocarbon fuel production using the Guayule shrub
[NASA-CASE-NPO-14315-1] c 27 N81-17261
- MOLYBDENUM**
- Thermocouples of molybdenum and indium alloys for more stable vacuum-high temperature performance
[NASA-CASE-LEW-12174-2] c 35 N79-14346
- MOLYBDENUM CARBIDES**
- Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent
[NASA-CASE-XLA-00302] c 15 N71-16077
- MOLYBDENUM DISULFIDES**
- Atomic hydrogen storage method and apparatus
[NASA-CASE-LEW-12081-3] c 28 N81-14103
- MOMENTS OF INERTIA**
- Moment of inertia test fixture Patent
[NASA-CASE-XGS-01023] c 14 N71-22992
- MOMENTUM**
- Attitude control and damping system for spacecraft Patent
[NASA-CASE-XLA-02551] c 21 N71-21708
- Particle detection apparatus including a ballistic pendulum Patent
[NASA-CASE-XMS-04201] c 14 N71-22990
- MONATOMIC GASES**
- Atomic hydrogen storage --- cryotrapping and magnetic field strength
[NASA-CASE-LEW-12081-2] c 28 N80-20402
- MONITORS**
- Leak detector Patent
[NASA-CASE-LAR-10323-1] c 12 N71-17573
- Reduced bandwidth video communication system utilizing sampling techniques Patent
[NASA-CASE-XNP-02791] c 07 N71-23026
- Optical monitor panel Patent
[NASA-CASE-XKS-03509] c 14 N71-23175
- Peak polarity selector Patent
[NASA-CASE-FRC-10010] c 10 N71-24862
- Ripple indicator
[NASA-CASE-KSC-10162] c 09 N72-11225
- Droplet monitoring probe
[NASA-CASE-NPO-10985] c 14 N73-20478
- Automatic lightning detection and photographic system
[NASA-CASE-KSC-10728-1] c 14 N73-32319
- Method and apparatus for optically monitoring the angular position of a rotating mirror
[NASA-CASE-GSC-11353-1] c 74 N74-21304
- Remote lightning monitor system
[NASA-CASE-KSC-11031-1] c 33 N79-11315
- Apparatus including a plurality of spaced transformers for locating short circuits in cables
[NASA-CASE-KSC-10899-1] c 33 N79-18193
- Indirect microbial detection
[NASA-CASE-LAR-12520-1] c 51 N81-28698
- Scanning seismic intrusion detection method and apparatus --- monitoring unwanted subterranean entry and departure
[NASA-CASE-ARC-11317-1] c 35 N83-34272
- MONOCHROMATIC RADIATION**
- Continuous plasma light source
[NASA-CASE-XNP-04167-2] c 25 N72-24753
- Laser extensometer
[NASA-CASE-MFS-19259-1] c 36 N78-14380
- Multiprism collimator
[NASA-CASE-GSC-12608-1] c 74 N83-10900
- MONOCHROMATORS**
- Analytical photoionization mass spectrometer with an argon gas filter between the light source and monochromator Patent
[NASA-CASE-LAR-10180-1] c 06 N71-13461
- Color television system
[NASA-CASE-MS-12146-1] c 07 N72-17109
- MONOMERS**
- Pressure transducer --- using a monomeric charge transfer complex sensor
[NASA-CASE-NPO-11150] c 35 N78-17359
- Bifunctional monomers having terminal oxime and cyano or amide groups
[NASA-CASE-ARC-11253-3] c 27 N81-24256
- Cross-linked polyvinyl alcohol and method of making same
[NASA-CASE-LEW-13101-2] c 23 N81-29160
- Preparation of crosslinked 1,2,4-oxadiazole polymer
[NASA-CASE-ARC-11253-2] c 27 N82-24338
- Chemical approach for controlling nadamide cure temperature and rate
[NASA-CASE-LEW-13770-1] c 27 N83-13258
- Improved high temperature resistant polyimides
[NASA-CASE-LEW-13864-1] c 27 N83-17715
- Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-1] c 27 N83-31854
- MONOPOLE ANTENNAS**
- Antenna system using parasitic elements and two driven elements at 90 deg angle fed 180 deg out of phase
[NASA-CASE-XLA-00414] c 07 N70-38200
- Flexible blade antenna Patent
[NASA-CASE-MS-12101] c 09 N71-18720
- MONOPROPELLANTS**
- Ignition system for monopropellant combustion devices Patent
[NASA-CASE-XNP-00249] c 28 N70-38249
- Ignition means for monopropellant Patent
[NASA-CASE-XNP-00876] c 28 N70-41311
- Low thrust monopropellant engine
[NASA-CASE-GSC-12194-2] c 20 N82-18314
- MONOPULSE ANTENNAS**
- Monopulse system with an electronic scanner
[NASA-CASE-XGS-05582] c 07 N69-27460
- Low noise single aperture multimode monopulse antenna feed system Patent
[NASA-CASE-XNP-01735] c 07 N71-22750
- Electronic scanning of 2-channel monopulse patterns Patent
[NASA-CASE-GSC-10299-1] c 09 N71-24804
- Switchable beamwidth monopulse method and system
[NASA-CASE-GSC-11924-1] c 33 N76-27472
- MONOPULSE RADAR**
- Polarization diversity monopulse tracking receiver Patent
[NASA-CASE-XGS-03501] c 09 N71-20864
- Monopulse tracking system Patent
[NASA-CASE-XGS-01155] c 10 N71-21483
- MONOSTABLE MULTIVIBRATORS**
- Resettable monostable pulse generator Patent
[NASA-CASE-GSC-11139] c 09 N71-27016
- Monostable multivibrator with complementary NOR gates Patent
[NASA-CASE-MS-13492-1] c 10 N71-28860
- MOSSBAUER EFFECT**
- Mossbauer spectrometer radiation detector
[NASA-CASE-LAR-11155-1] c 35 N74-15091
- Method and apparatus for vibration analysis utilizing the Mossbauer effect
[NASA-CASE-XMF-05882] c 35 N75-27329
- MOTION**
- Quick attach mechanism Patent
[NASA-CASE-XFR-05421] c 15 N71-22994
- MOTION PICTURES**
- Real time moving scene holographic camera system
[NASA-CASE-MFS-21087-1] c 35 N74-17153
- Real time, large volume, moving scene holographic camera system
[NASA-CASE-MFS-22537-1] c 35 N75-27328
- MOTION SIMULATORS**
- Kinesthetic control simulator --- for pilot training
[NASA-CASE-LAR-10276-1] c 09 N75-15662
- Helmet weight simulator
[NASA-CASE-LAR-12320-1] c 54 N81-27806
- MOTION STABILITY**
- Hydraulic drive mechanism Patent
[NASA-CASE-XMS-03252] c 15 N71-10658
- MOTORS**
- Nonmagnetic thermal motor for a magnetometer
[NASA-CASE-XAR-03786] c 09 N69-21313
- System for maintaining a motor at a predetermined speed utilizing digital feedback means Patent
[NASA-CASE-XMF-06892] c 09 N71-24805
- Mechanical thermal motor
[NASA-CASE-MFS-23062-1] c 37 N77-12402
- Redundant motor drive system
[NASA-CASE-MFS-23777-1] c 37 N80-32716
- Reciprocating linear motor
[NASA-CASE-GSC-12773-1] c 33 N83-12332
- MOUNTING**
- Thermobulb mount Patent
[NASA-CASE-NPO-10158] c 33 N71-16356
- Mount for thermal control system Patent
[NASA-CASE-NPO-10138] c 33 N71-16357
- Clamping assembly for inertial components Patent
[NASA-CASE-XMS-02184] c 15 N71-20813
- Circuit board package with wedge shaped covers
[NASA-CASE-MFS-21919-1] c 10 N73-25243
- Lubricated journal bearing
[NASA-CASE-LEW-11076-3] c 37 N75-30562
- Translatory shock absorber for attitude sensors
[NASA-CASE-MFS-22905-1] c 19 N76-22284
- Deformable bearing seat
[NASA-CASE-LEW-12527-1] c 37 N77-32500
- Impact absorbing blade mounts for variable pitch blades
[NASA-CASE-LEW-12313-1] c 37 N78-10468
- Attaching of strain gages to substrates
[NASA-CASE-FRC-10093-1] c 35 N80-20560
- Unidirectional flexural pivot
[NASA-CASE-GSC-12622-1] c 37 N81-22359
- Clamp-mount device
[NASA-CASE-MFS-25510-1] c 37 N82-11470
- Inflatable device for installing strain gage bridges
[NASA-CASE-FRC-11068-1] c 35 N82-24473
- Adapter for mounting a microphone flush with the external surface of the skin of a pressurized aircraft
[NASA-CASE-FRC-11072-1] c 05 N83-27975
- MOVING TARGET INDICATORS**
- Automatic vehicle location system
[NASA-CASE-NPO-11850-1] c 32 N74-12912
- Interferometric locating system
[NASA-CASE-NPO-14173-1] c 04 N80-32359
- MULTIBEAM ANTENNAS**
- Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths
[NASA-CASE-NPO-14525-2] c 32 N83-31918
- MULTICHANNEL COMMUNICATION**
- Tape guidance system and apparatus for the provision thereof Patent
[NASA-CASE-XNP-09453] c 08 N71-19420
- Phase quadrature-plural channel data transmission system Patent
[NASA-CASE-XAC-06302] c 08 N71-19763

Receiver with an improved phase lock loop in a multichannel telemetry system with suppressed carrier [NASA-CASE-NPO-11593-1] c 07 N73-28012
 Miniature multichannel biotelemetry system [NASA-CASE-NPO-13065-1] c 52 N74-26625
 Medical subject monitoring systems — multichannel monitoring systems [NASA-CASE-MSC-14180-1] c 52 N76-14757
 Multi-channel rotating optical interface for data transmission [NASA-CASE-NPO-14066-1] c 74 N79-34011

MULTILAYER INSULATION

Sealing member and combination thereof and method of producing said sealing member Patent [NASA-CASE-XMS-01625] c 15 N71-23022
 Panelized high performance multilayer insulation Patent [NASA-CASE-MFS-14023] c 33 N71-25351
 Electrical apparatus for detection of thermal decomposition of insulation Patent [NASA-CASE-XMF-03968] c 14 N71-27186
 Method of making an insulation foil [NASA-CASE-LEW-11484-1] c 24 N75-33181
 Process for preparing high temperature polyimide film laminates [NASA-CASE-LAR-12742-1] c 24 N81-12174
 Multiwall thermal protection system [NASA-CASE-LAR-12620-1] c 24 N82-32417

MULTIPACTOR DISCHARGES

High power RF coaxial switch [NASA-CASE-NPO-14229-1] c 33 N80-18285

MULTIPATH TRANSMISSION

Anti-multipath digital signal detector [NASA-CASE-LAR-11827-1] c 32 N77-10392
 Large volume multiple-path nuclear pumped laser [NASA-CASE-LAR-12592-1] c 36 N82-13415

MULTIPLE BEAM INTERVAL SCANNERS

Tracking antenna system Patent [NASA-CASE-GSC-10553-1] c 07 N71-19854
 Variable beamwidth antenna — with multiple beam, variable feed system [NASA-CASE-GSC-11862-1] c 32 N76-18295

MULTIPLE DOCKING ADAPTERS

Expanding center probe and drogue Patent [NASA-CASE-XMS-03613] c 31 N71-16346

MULTIPLE OUTPUT PROGRAMS

Multi-computer multiple data path hardware exchange system [NASA-CASE-NPO-13422-1] c 60 N76-14818

MULTIPLEXING

Doppler frequency spread correction device for multiplex transmissions [NASA-CASE-XGS-02749] c 07 N69-39978
 Elimination of frequency shift in a multiplex communication system Patent [NASA-CASE-XNP-01306] c 07 N71-20814
 Satellite interface synchronization system [NASA-CASE-GSC-10390-1] c 07 N72-11149
 Method and apparatus for data compression by a decreasing slope threshold test [NASA-CASE-NPO-10769] c 08 N72-11171
 Data multiplexer using tree switching configuration [NASA-CASE-NPO-11333] c 08 N72-22162
 Television multiplexing system [NASA-CASE-KSC-10654-1] c 07 N73-30115
 Asynchronous, multiplexing, single line transmission and recovery data system — for satellite use [NASA-CASE-NPO-13321-1] c 32 N75-26195
 Correlation type phase detector — with time correlation integrator for frequency multiplexed signals [NASA-CASE-GSC-11744-1] c 33 N75-26243
 System for producing chroma signals [NASA-CASE-MSC-14683-1] c 74 N77-18893
 Fiber optic multiplex optical transmission system [NASA-CASE-KSC-11047-1] c 74 N78-14889
 System for a displaying at a remote station data generated at a central station and for powering the remote station from the central station [NASA-CASE-GSC-12411-1] c 33 N81-14221
 Multifrequency broadband polarized horn antenna [NASA-CASE-NPO-14586-1] c 32 N81-25278
 High-speed multiplexing of keyboard data inputs [NASA-CASE-NPO-14554-1] c 60 N81-27814
 Multi-channel temperature measurement amplification system — solar heating systems [NASA-CASE-MFS-23775-1] c 44 N82-16474
 Electronic scanning pressure measuring system and transducer package [NASA-CASE-ARC-11361-1] c 35 N82-26635
 Correlation spectrometer having high resolution and multiplexing capability [NASA-CASE-NPO-15558-1] c 35 N82-26636
 Integrating IR detector imaging systems [NASA-CASE-NPO-15805-1] c 74 N83-20757

Apparatus and method for tracking the fundamental frequency of an analog input signal [NASA-CASE-ARC-11367-1] c 33 N83-21238

MULTIPLIERS

Pulse-width modulation multiplier Patent [NASA-CASE-XER-09213] c 07 N71-12390
 Variable pulse width multiplier Patent [NASA-CASE-XLA-02850] c 09 N71-20447
 Capacitance multiplier and filter synthesizing network [NASA-CASE-NPO-11948-1] c 33 N74-32712
 Regulated high efficiency, lightweight capacitor-diode multiplier dc to dc converter [NASA-CASE-LEW-12791-1] c 33 N78-32341

MULTIPROCESSING (COMPUTERS)

Multi-computer communication system [NASA-CASE-NPO-15433-1] c 62 N83-20634

MULTISPECTRAL BAND SCANNERS

Optical process for producing classification maps from multispectral data [NASA-CASE-MSC-14472-1] c 43 N77-10584
 Interactive color display for multispectral imagery using correlation clustering [NASA-CASE-MSC-16253-1] c 32 N79-20297
 Multispectral scanner optical system [NASA-CASE-MSC-18255-1] c 74 N80-33210
 Medical diagnosis system and method with multispectral imaging — depth of burns and optical density of the skin [NASA-CASE-NPO-14402-1] c 52 N81-27783

MULTISPECTRAL LINEAR ARRAYS

Time delay and integration detectors using charge transfer devices [NASA-CASE-GSC-12324-1] c 33 N81-33403
 Dual aperture multispectral Schmidt objective [NASA-CASE-GSC-12756-1] c 74 N82-30073

MULTISPECTRAL PHOTOGRAPHY

Multispectral imaging system [NASA-CASE-MSC-12404-1] c 23 N73-13661
 Optical process for producing classification maps from multispectral data [NASA-CASE-MSC-14472-1] c 43 N77-10584
 Multispectral imaging and analysis system — using charge coupled devices and linear arrays [NASA-CASE-NPO-13691-1] c 43 N79-17288
 Interactive color display for multispectral imagery using correlation clustering [NASA-CASE-MSC-16253-1] c 32 N79-20297

MULTISTAGE ROCKET VEHICLES

Recoverable rocket vehicle Patent [NASA-CASE-XMF-00389] c 31 N70-34176
 Steerable solid propellant rocket motor Patent [NASA-CASE-XNP-00234] c 28 N70-38645
 Multi-mission module Patent [NASA-CASE-XMF-01543] c 31 N71-17730
 Single action separation mechanism Patent [NASA-CASE-XLA-00188] c 15 N71-22874
 Lateral displacement system for separated rocket stages Patent [NASA-CASE-XLA-04804] c 31 N71-23008
 Frangible link [NASA-CASE-MSC-11849-1] c 15 N72-22488
 Three stage rocket vehicle with parallel staging — space transportation system [NASA-CASE-MFS-25878-1] c 18 N83-12138

MULTIVIBRATORS

Ultra-long monostable multivibrator employing bistable semiconductor switch to allow charging of timing circuit Patent [NASA-CASE-XGS-00381] c 09 N70-34819
 Variable frequency magnetic multivibrator Patent [NASA-CASE-XGS-00458] c 09 N70-38604
 Variable frequency magnetic multivibrator Patent [NASA-CASE-XGS-00131] c 09 N70-38995
 High efficiency multivibrator Patent [NASA-CASE-XAC-00942] c 10 N71-16042
 A dc-coupled noninverting one-shot Patent [NASA-CASE-XNP-09450] c 10 N71-18723
 Multivibrator circuit with means to prevent false triggering from supply voltage fluctuations Patent [NASA-CASE-ARC-10137-1] c 09 N71-28468
 Digital demodulator [NASA-CASE-LAR-12659-1] c 33 N82-26570

MUSCLES

Subminiature insertable force transducer — including a strain gage to measure forces in muscles [NASA-CASE-NPO-13423-1] c 33 N75-31329
 Multifunctional transducer [NASA-CASE-NPO-14329-1] c 52 N81-20703

MUSCULAR FUNCTION

Miniature muscle displacement transducer [NASA-CASE-NPO-13519-1] c 33 N76-19338
 Simultaneous muscle force and displacement transducer [NASA-CASE-NPO-14212-1] c 52 N80-27072

MUSCULOSKELETAL SYSTEM

Skeletal stressing method and apparatus Patent [NASA-CASE-ARC-10100-1] c 05 N71-24738

MYOCARDIUM

Myocardium wall thickness transducer and measuring method [NASA-CASE-NPO-13644-1] c 52 N76-29895
 Simultaneous muscle force and displacement transducer [NASA-CASE-NPO-14212-1] c 52 N80-27072

N**N-TYPE SEMICONDUCTORS**

Complementary DMOS-VMOS integrated circuit structure [NASA-CASE-GSC-12190-1] c 33 N79-12321

NACELLES

Inlet deflector for jet engines Patent [NASA-CASE-XLE-00388] c 28 N70-34788
 Nacelle afterbody for jet engines Patent [NASA-CASE-XLA-10450] c 28 N71-21493
 Integrated gas turbine engine-nacelle [NASA-CASE-LEW-12389-2] c 07 N78-18066
 Integrated gas turbine engine-nacelle [NASA-CASE-LEW-12389-3] c 07 N79-14096

NASA PROGRAMS

Retractable environmental seal [NASA-CASE-MFS-23646-1] c 37 N79-22474

NAVIGATION

Navigation system and method [NASA-CASE-GSC-12508-1] c 04 N81-26085
 Thumb actuated two axis controller [NASA-CASE-ARC-11372-1] c 08 N83-12098

NAVIGATION AIDS

Magnetic heading reference [NASA-CASE-LAR-11387-1] c 04 N76-20114
 Ruler for making navigational computations [NASA-CASE-XNP-01458] c 04 N78-17031
 Low-frequency radio navigation system [NASA-CASE-NPO-15264-1] c 04 N81-22038
 System for providing an integrated display of instantaneous information relative to aircraft attitude, heading, altitude, and horizontal situation [NASA-CASE-FRC-11005-1] c 06 N82-16075
 Magnetic heading reference [NASA-CASE-LAR-12638-1] c 04 N82-26260

NAVIGATION INSTRUMENTS

Sun angle calculator [NASA-CASE-MSC-12617-1] c 35 N76-29552
 Magnetic heading reference [NASA-CASE-LAR-12638-1] c 44 N82-24716

NAVIGATION SATELLITES

Satellite aided vehicle avoidance system Patent [NASA-CASE-ERC-10090] c 21 N71-24948

NEAR INFRARED RADIATION

Collimator of multiple plates with axially aligned identical random arrays of apertures [NASA-CASE-MFS-20546-2] c 14 N73-30389

NEGATIVE FEEDBACK

Complementary regenerative switch Patent [NASA-CASE-XGS-02751] c 09 N71-23015
 Solid-state current transformer [NASA-CASE-MFS-22560-1] c 33 N77-14335

NEGATIVE RESISTANCE CIRCUITS

General logic structure for custom LSI circuits [NASA-CASE-NPO-14410-2] c 33 N82-25440

NEODYMIUM LASERS

Length controlled stabilized mode-lock Nd:YAG laser [NASA-CASE-GSC-11571-1] c 36 N77-25499

NERVES

Implantable electrical device [NASA-CASE-GSC-12560-1] c 52 N82-29863

NETWORK SYNTHESIS

Electromagnetic polarization systems and methods Patent [NASA-CASE-GSC-10021-1] c 09 N71-24595
 High speed phase detector Patent [NASA-CASE-XNP-01306-2] c 09 N71-24596
 Tuned analog network — bandpass filter networks [NASA-CASE-GSC-12650-1] c 33 N82-10324

NEUROGLIA

Percutaneous connector device [NASA-CASE-KSC-10849-1] c 52 N77-14738

NEUROLOGY

Implantable electrical device [NASA-CASE-GSC-12560-1] c 52 N82-29863

NEUTRALIZERS

Method and apparatus for neutralizing potentials induced on spacecraft surfaces [NASA-CASE-GSC-11963-1] c 33 N77-10429
 Method of neutralizing the corrosive surface of amine-cured epoxy resins [NASA-CASE-GSC-12686-1] c 27 N83-34039

NEUTRON EMISSION

Deuteron pass through target — neutron emitting target [NASA-CASE-LEW-11866-1] c 72 N76-15860

SUBJECT INDEX

NEUTRON SOURCES

Method and apparatus for mapping the distribution of chemical elements in an extended medium
[NASA-CASE-GSC-12808-1] c 45 N83-20446

NICKEL

Process for producing dispersion strengthened nickel with aluminum Patent
[NASA-CASE-XLE-06969] c 17 N71-24142
Selective nickel deposition
[NASA-CASE-LEW-10965-1] c 15 N72-25452
Brazing alloy composition
[NASA-CASE-XMF-06053] c 26 N75-27126
Method of making reinforced composite structure
[NASA-CASE-LEW-12619-1] c 24 N77-19171
Directionally solidified eutectic gamma-gamma nickel-base superalloys
[NASA-CASE-LEW-12905-1] c 26 N78-18183

NICKEL ALLOYS

High temperature nickel-base alloy Patent
[NASA-CASE-XLE-00151] c 17 N70-33283
Nickel-base alloy Patent
[NASA-CASE-XLE-00283] c 17 N70-36616
Nickel-base alloy containing Mo-W-Al-Cr-Ta-Zr-C-Nb-B Patent
[NASA-CASE-XLE-02082] c 17 N71-16026
Nickel base alloy
[NASA-CASE-LEW-10874-1] c 17 N72-22535
Diffusion welding --- heat treatment of nickel alloys following single step vacuum welding process
[NASA-CASE-LEW-11388-2] c 37 N74-21055
Method of heat treating age-hardenable alloys
[NASA-CASE-XNP-01311] c 26 N75-29236
Zirconium modified nickel-copper alloy
[NASA-CASE-LEW-12245-1] c 26 N77-20201
Directionally solidified eutectic gamma plus beta nickel-base superalloys
[NASA-CASE-LEW-12908-1] c 26 N77-32279
Nickel base alloy --- for gas turbine engine stator vanes
[NASA-CASE-LEW-12270-1] c 26 N77-32280
Nickel ternary alloy having improved cyclic oxidation resistance
[NASA-CASE-LEW-13339-1] c 26 N82-31505
Overlay metallic-cermet alloy coating systems --- for gas turbine engines
[NASA-CASE-LEW-13639-1] c 27 N82-33522
Improved nickel base coating alloy --- oxidation resistant coatings
[NASA-CASE-LEW-13834-1] c 26 N83-24639

NICKEL CADMIUM BATTERIES

Heat flow calorimeter --- measures output of Ni-Cd batteries
[NASA-CASE-GSC-11434-1] c 34 N74-27859
Method and apparatus for conditioning of nickel-cadmium batteries
[NASA-CASE-XMF-23270-1] c 44 N78-25531

NICKEL COATINGS

Nickel aluminate coated low alloy stainless steel
[NASA-CASE-LEW-11267-1] c 17 N73-32414
Selective coating for solar panels --- using black chrome and black nickel
[NASA-CASE-LEW-12159-1] c 44 N78-19599

NICKEL COMPOUNDS

Didymium hydrate additive to nickel hydroxide electrodes Patent
[NASA-CASE-XGS-03505] c 03 N71-10608
Brazing alloy
[NASA-CASE-XNP-03878] c 26 N75-27127

NICKEL PLATE

Plating nickel on aluminum castings Patent
[NASA-CASE-XNP-04148] c 17 N71-24830
Light weight nickel battery plaque
[NASA-CASE-LEW-13349-1] c 44 N82-22673

NICKEL ZINC BATTERIES

Additive for zinc electrodes
[NASA-CASE-LEW-13286-1] c 44 N81-27597

NIOBIUM

Trialkyl-dihaloantimony and niobium compounds Patent
[NASA-CASE-XNP-04023] c 06 N71-28808

NITRAMINE PROPELLANTS

Nitramine propellants --- gun propellant burning rate
[NASA-CASE-NPO-14103-1] c 28 N78-31255

NITRATES

Method of forming dynamic membrane on stainless steel support
[NASA-CASE-MS-C-18172-1] c 26 N80-19237

NITRIC OXIDE

Reduction of nitric oxide emissions from a combustor
[NASA-CASE-ARC-10814-2] c 07 N80-26298

NITRIDES

Refractory coatings and method of producing the same
[NASA-CASE-LEW-13169-1] c 26 N82-29415

NITRILES

Intumescent paint containing nitrile rubber
[NASA-CASE-ARC-10196-1] c 18 N73-13562

Trimerization of aromatic nitriles

[NASA-CASE-LEW-12053-1] c 27 N78-15276
Preparation of perfluorinated imidoylamidoximes --- for eventual preparation of heat and chemical resistant polymers
[NASA-CASE-ARC-11267-1] c 23 N80-26386

NITRO COMPOUNDS

Intumescent coatings containing 4,4'-dinitrosulfanilide
[NASA-CASE-ARC-11042-1] c 24 N78-14096
The 1 - (dialkoxyposphonyl)methyl -2,4- and -2,6-dinitro- and diamino benzenes and their derivatives
[NASA-CASE-ARC-11425-1] c 23 N83-28076

NITROAMINES

Intumescent paints Patent
[NASA-CASE-ARC-10099-1] c 18 N71-15469
Polymers vehicles as carriers for sulfonic acid salt of nitrosubstituted aromatic amines
[NASA-CASE-ARC-10325] c 06 N72-25147

NITROGEN

III-V photocathode with nitrogen doping for increased quantum efficiency
[NASA-CASE-NPO-12134-1] c 33 N76-31409

NITROGEN COMPOUNDS

Method for preparing addition type polyimide prepreps
[NASA-CASE-LAR-12054-2] c 27 N81-14078

NITROGEN OXIDES

Combustion engine --- for air pollution control
[NASA-CASE-NPO-13671-1] c 37 N77-31497
Combustor --- low nitrogen oxide formation
[NASA-CASE-NPO-13958-1] c 25 N79-11151

NITROGEN TETROXIDE

Procedure and apparatus for determination of water in nitrogen tetroxide
[NASA-CASE-NPO-10234] c 06 N72-17094

NITROGUANIDINE

Hydrazine nitroformate propellant stabilized with nitroguanidine
[NASA-CASE-NPO-12000] c 27 N72-25699

NOBLE METALS

GaAs Schottky barrier photo-responsive device and method of fabrication --- photovoltaic cells
[NASA-CASE-GSC-12816-1] c 76 N83-30268

NOISE (STANDING WAVES)

System for controlled acoustic rotation of objects
[NASA-CASE-NPO-15522-1] c 71 N83-32516

NOISE GENERATORS

Pseudo-noise test set for communication system evaluation --- test signals
[NASA-CASE-MFS-22671-1] c 35 N75-21582
Method of and means for testing a tape record/playback system
[NASA-CASE-MFS-22671-2] c 35 N77-17426

NOISE MEASUREMENT

Ride quality meter
[NASA-CASE-LAR-12882-1] c 54 N81-31848

NOISE METERS

Instrumentation for measurement of aircraft noise and sonic boom
[NASA-CASE-LAR-11173-1] c 35 N75-19614
Differential sound level meter
[NASA-CASE-LAR-12106-1] c 71 N78-14867
Ride quality meter
[NASA-CASE-LAR-12882-1] c 54 N81-31848

NOISE REDUCTION

Jet aircraft configuration Patent
[NASA-CASE-XLA-00087] c 02 N70-33332
Cassegrainian antenna subreflector flange for suppressing ground noise Patent
[NASA-CASE-XNP-00683] c 09 N70-35425
Device for suppressing sound and heat produced by high-velocity exhaust jets Patent
[NASA-CASE-XMF-01813] c 28 N70-41582
Variable time constant smoothing circuit Patent
[NASA-CASE-XGS-01983] c 10 N70-41964
Digital telemetry system Patent
[NASA-CASE-XGS-01812] c 07 N71-23001
Audio signal processor Patent
[NASA-CASE-MS-C-12223-1] c 07 N71-26181
Variable frequency nuclear magnetic resonance spectrometer Patent
[NASA-CASE-XNP-09830] c 14 N71-26266
Method and apparatus for eliminating coherent noise in a coherent energy imaging system without destroying spatial coherence
[NASA-CASE-GSC-11133-1] c 23 N72-11568
Audio system with means for reducing noise effects
[NASA-CASE-NPO-11631] c 10 N73-12244
Gas turbine exhaust nozzle --- for noise reduction
[NASA-CASE-LEW-11569-1] c 07 N74-15453
Totally confined explosive welding --- apparatus to reduce noise level and protect personnel during explosive bonding
[NASA-CASE-LAR-10941-1] c 37 N74-21057
Jet exhaust noise suppressor
[NASA-CASE-LEW-11286-1] c 07 N74-27490

NONFLAMMABLE MATERIALS

Supersonic fan blading --- noise reduction in turbofan engines
[NASA-CASE-LEW-11402-1] c 07 N74-28226
Variably positioned guide vanes for aerodynamic choking
[NASA-CASE-LAR-10642-1] c 07 N74-31270

Noise suppressor --- for turbofan engine by incorporating annular acoustically porous elements in exhaust and inlet ducts
[NASA-CASE-LAR-11141-1] c 07 N74-32418
Abating exhaust noises in jet engines
[NASA-CASE-ARC-10712-1] c 07 N74-33218

Television noise reduction device
[NASA-CASE-MS-C-12607-1] c 32 N75-21485
Cascade plug nozzle --- for jet noise reduction
[NASA-CASE-LAR-11674-1] c 07 N76-18117
Apparatus for reducing aerodynamic noise in a wind tunnel
[NASA-CASE-MFS-23099-1] c 09 N76-23273
Optical noise suppression device and method --- laser light exposing film
[NASA-CASE-MS-C-12640-1] c 74 N76-31998

Variably thrust nozzle for quiet turbofan engine and method of operating same
[NASA-CASE-LEW-12317-1] c 07 N78-17055
Magneto-optic detection system with noise cancellation
[NASA-CASE-NPO-11954-1] c 35 N78-29421

Totally confined explosive welding
[NASA-CASE-LAR-10941-2] c 37 N79-13364
Sound-suppressing structure with thermal relief
[NASA-CASE-LEW-12658-1] c 71 N79-14871

Acoustically swept rotor --- helicopter noise reduction
[NASA-CASE-ARC-11106-1] c 05 N80-14107
Support assembly for cryogenically coolable low-noise choke waveguide
[NASA-CASE-NPO-14253-1] c 32 N80-32605

Curved centerline air intake for a gas turbine engine
[NASA-CASE-LEW-13201-1] c 07 N81-14999
Multiple pure tone elimination strut assembly --- air breathing engines
[NASA-CASE-FRC-11062-1] c 71 N82-16800

Apparatus and method for jet noise suppression
[NASA-CASE-LAR-11903-2] c 34 N82-20465
Sound shield
[NASA-CASE-LAR-12883-1] c 71 N83-17235

Noise suppressor for turbo fan jet engines
[NASA-CASE-ARC-10812-1] c 07 N83-33884

NOISE TEMPERATURE

Method and means for providing an absolute power measurement capability Patent
[NASA-CASE-ERC-11020] c 14 N71-26774

NOISE THRESHOLD

Frequency modulation demodulator threshold extension device Patent
[NASA-CASE-MS-C-12165-1] c 07 N71-33696

NONADIABATIC CONDITIONS

Direct heating surface combustor
[NASA-CASE-LEW-11877-1] c 34 N78-27357

NONDESTRUCTIVE TESTS

Determination of spot weld quality Patent
[NASA-CASE-XNP-02588] c 15 N71-18613
Space simulator Patent
[NASA-CASE-NPO-10141] c 11 N71-24964
Apparatus for inspecting microfilm Patent
[NASA-CASE-MFS-20240] c 14 N71-26788
Dye penetrant for surfaces subsequently contacted by liquid oxygen Patent
[NASA-CASE-XMF-02221] c 18 N71-27170
Method and device for detecting voids in low density material Patent
[NASA-CASE-MFS-20044] c 14 N71-28993

Holographic system for nondestructive testing
[NASA-CASE-MFS-21704-1] c 35 N75-25124
Method and apparatus for nondestructive testing of pressure vessels
[NASA-CASE-NPO-12142-1] c 38 N76-28563

Non-destructive method for applying and removing instrumentation on helicopter rotor blades
[NASA-CASE-LAR-11201-1] c 35 N78-24515
Hybrid holographic non-destructive test system
[NASA-CASE-MFS-23114-1] c 38 N78-32447

NONEQUILIBRIUM CONDITIONS

Condition sensor system and method
[NASA-CASE-MS-C-14805-1] c 54 N78-32720

NONEQUILIBRIUM PLASMAS

Probes having ring and primary sensor at same potential to prevent collection of stray wall currents in ionized gases
[NASA-CASE-XLE-00690] c 25 N69-39884

NONEQUILIBRIUM RADIATION

Non-equilibrium radiation nuclear reactor
[NASA-CASE-HON-10841-1] c 73 N78-19920

NONFLAMMABLE MATERIALS

Intumescent paint containing nitrile rubber
[NASA-CASE-ARC-10196-1] c 18 N73-13562

Non-flammable elastomeric fiber from a fluorinated elastomer and containing an halogenated flame retardant
[NASA-CASE-MSC-14331-1] c 27 N76-24405

NONLINEAR FEEDBACK
Coherent receiver employing nonlinear coherence detection for carrier tracking
[NASA-CASE-NPO-11291-1] c 32 N74-30523
Nonlinear nonsingular feedback shift registers
[NASA-CASE-NPO-13451-1] c 33 N76-14373

NONLINEAR FILTERS
Apparatus for damping operator induced oscillations of a controlled system --- flight control
[NASA-CASE-FRC-11041-1] c 33 N82-18493

NONLINEAR SYSTEMS
Phase detector assembly Patent
[NASA-CASE-XMF-00701] c 09 N70-40272
Nonlinear analog-to-digital converter Patent
[NASA-CASE-XAC-04031] c 08 N71-18594
Split range transducer
[NASA-CASE-XLA-11189] c 10 N72-20222
Contour measurement system
[NASA-CASE-MFS-23726-1] c 43 N79-26439

NORMAL DENSITY FUNCTIONS
Ultrasonic transducer with Gaussian radial pressure distribution
[NASA-CASE-LAR-12967-1] c 35 N83-12397

NOSE CONES
Automatically deploying nozzle exit cone extension Patent
[NASA-CASE-XLE-01640] c 31 N71-15637
Nose cone mounted heat resistant antenna Patent
[NASA-CASE-XMS-04312] c 07 N71-22984

NOSE WHEELS
Nose gear steering system for vehicle with main skids Patent
[NASA-CASE-XLA-01804] c 02 N70-34160

NOTCH STRENGTH
Active notch filter network with variable notch depth, width and frequency
[NASA-CASE-FRC-11055-1] c 33 N80-29583

NOTCH TESTS
Vee-notching device --- with adjustable carriage
[NASA-CASE-MFS-20730-1] c 39 N74-13131
Notch filter
[NASA-CASE-MFS-23303-1] c 32 N77-18307

NOTCHES
Notch filter
[NASA-CASE-MFS-23303-1] c 32 N77-18307

NOZZLE DESIGN
Annular rocket motor and nozzle configuration Patent
[NASA-CASE-XLE-00078] c 28 N70-33284
Penshape exhaust nozzle for supersonic engine Patent
[NASA-CASE-XLE-00057] c 28 N70-38711
Telescoping-spike supersonic inlet for aircraft engines Patent
[NASA-CASE-XLE-00005] c 28 N70-39899
Automatically deploying nozzle exit cone extension Patent
[NASA-CASE-XLE-01640] c 31 N71-15637
Injector assembly for liquid fueled rocket engines Patent
[NASA-CASE-XMF-00968] c 28 N71-15660
Collapsible nozzle extension for rocket engines Patent
[NASA-CASE-MFS-11497] c 28 N71-16224
Gas turbine combustion apparatus Patent
[NASA-CASE-XLE-103477-1] c 28 N71-20330
Prestressed refractory structure Patent
[NASA-CASE-XNP-02888] c 18 N71-21068
Scanning nozzle plating system --- for etching or plating metals on substrates without masking
[NASA-CASE-NPO-11758-1] c 31 N74-23065
Variable thrust nozzle for quiet turbofan engine and method of operating same
[NASA-CASE-LEW-12317-1] c 07 N78-17055
Variable area exhaust nozzle
[NASA-CASE-LEW-12378-1] c 07 N79-14097
Aircraft engine nozzle
[NASA-CASE-ARC-10977-1] c 07 N80-32392
Sandblasting nozzle
[NASA-CASE-NPO-13823-1] c 37 N81-25371
Controlled overspray spray nozzle
[NASA-CASE-MFS-25139-1] c 34 N82-13376

NOZZLE FLOW
Control system for rocket vehicles Patent
[NASA-CASE-XLA-01163] c 21 N71-15582
Aerodynamic spike nozzle Patent
[NASA-CASE-XGS-01143] c 31 N71-15647
Propellant mass distribution metering apparatus Patent
[NASA-CASE-NPO-10185] c 10 N71-26339
Tertiary flow injection thrust vectoring system Patent
[NASA-CASE-MFS-20831] c 28 N71-29153

Multi-purpose wind tunnel reaction control model block
[NASA-CASE-MSC-19706-1] c 09 N78-31129

NOZZLE GEOMETRY
Method of making a rocket nozzle
[NASA-CASE-XMF-06884-1] c 20 N79-21123

NOZZLE INSERTS
Self-sealing, unbonded, rocket motor nozzle closure Patent
[NASA-CASE-XLA-02651] c 28 N70-41967
Wind tunnel supplementary Mach number minimum section insert
[NASA-CASE-LAR-12532-1] c 09 N82-11088

NUCLEAR EXPLOSION EFFECT
Method and construction for protecting heat sensitive bodies from thermal radiation and convective heat Patent
[NASA-CASE-XNP-01310] c 33 N71-28852

NUCLEAR FUEL ELEMENTS
Nuclear fuel elements
[NASA-CASE-XLE-00209] c 22 N73-32528

NUCLEAR MAGNETIC RESONANCE
Variable frequency nuclear magnetic resonance spectrometer Patent
[NASA-CASE-XNP-09830] c 14 N71-26266

NUCLEAR POWER PLANTS
Self-adjusting multisegment, deployable, natural circulation radiator Patent
[NASA-CASE-XHQ-03673] c 33 N71-29046

NUCLEAR PUMPED LASERS
Volumetric direct nuclear pumped laser
[NASA-CASE-LAR-12183-1] c 36 N79-18307

NUCLEAR PUMPING
Large volume multiple-path nuclear pumped laser
[NASA-CASE-LAR-12592-1] c 36 N82-13415

NUCLEAR REACTOR CONTROL
Gaseous control system for nuclear reactors
[NASA-CASE-XLE-04599] c 22 N72-20597
Control for nuclear thermionic power source
[NASA-CASE-NPO-13114-2] c 73 N78-28913

NUCLEAR REACTORS
Nuclear thermionic converter --- tungsten-thorium oxide rods
[NASA-CASE-NPO-13121-1] c 73 N77-18891
High thermal power density heat transfer apparatus providing electrical isolation at high temperature using heat pipes
[NASA-CASE-LEW-12950-2] c 44 N83-29804

NUCLEATE BOILING
Method of improving heat transfer characteristics in a nucleate boiling process Patent
[NASA-CASE-XMS-04268] c 33 N71-16277

NULL ZONES
Null device for hand controller Patent
[NASA-CASE-XLA-01808] c 15 N71-20740

NUMBER THEORY
Binary concatenated coding system
[NASA-CASE-MSC-14082-1] c 60 N76-23850

NUMERICAL CONTROL
Fringe counter for interferometers Patent
[NASA-CASE-LAR-10204] c 14 N71-27215
Digital numerically controlled oscillator
[NASA-CASE-MSC-16747-1] c 33 N81-17349
Controller for computer control of brushless dc motors --- automobile engines
[NASA-CASE-NPO-13970-1] c 33 N81-20352
Reconfiguring redundancy management
[NASA-CASE-MSC-18498-1] c 60 N82-29013

NUMERICAL INTEGRATION
Apparatus for computing square roots Patent
[NASA-CASE-XGS-04768] c 08 N71-19437

MUTATION
Method and means for damping nutation in a satellite Patent
[NASA-CASE-XMF-00442] c 31 N71-10747
Nutation damper
[NASA-CASE-GSC-11205-1] c 15 N73-25513

MUTATION DAMPERS
Active nutation controller
[NASA-CASE-GSC-12273-1] c 35 N80-21719
Method of damping nutation motion with minimum spin axis attitude disturbance
[NASA-CASE-GSC-12551-1] c 18 N83-28064

NUTS (FASTENERS)
Separation nut Patent
[NASA-CASE-XGS-01971] c 15 N71-15922
Split nut separation system Patent
[NASA-CASE-XNP-06914] c 15 N71-21489
Fastener stretcher
[NASA-CASE-GSC-11149-1] c 15 N73-30457
High-torque open-end wrench
[NASA-CASE-NPO-13541-1] c 37 N79-14383
Floating nut retention system
[NASA-CASE-MSC-16938-1] c 37 N80-23653

O RING SEALS
High pressure four-way valve Patent
[NASA-CASE-XNP-00214] c 15 N70-36908
Self-stabilizing radial face seal
[NASA-CASE-LEW-12991-1] c 37 N81-24442
Circumferential shaft seal
[NASA-CASE-LEW-12119-2] c 37 N81-26447
Unitary seal ring assembly --- cryogenic applications
[NASA-CASE-MFS-25678-1] c 37 N82-25517
Modified spiral wound retaining ring
[NASA-CASE-LAR-12361-1] c 37 N83-19091

OBLIQUE WINGS
Oblique-wing supersonic aircraft
[NASA-CASE-ARC-10470-3] c 05 N76-29217

OCCUSION
Prosthetic occlusive device for an internal passageway
[NASA-CASE-MFS-25640-1] c 52 N82-26962

OCEAN CURRENTS
Method and apparatus for Delta K synthetic aperture radar measurement of ocean current
[NASA-CASE-NPO-15704-1] c 32 N82-28502

OCEAN DATA ACQUISITIONS SYSTEMS
Oceanic wave measurement system
[NASA-CASE-MFS-23862-1] c 48 N80-18667

OCEAN SURFACE
Surface roughness measuring system --- synthetic aperture radar measurements of ocean wave height and terrain peaks
[NASA-CASE-NPO-13862-1] c 35 N79-10391
Oceanic wave measurement system
[NASA-CASE-MFS-23862-1] c 48 N80-18667

OCEAN THERMAL ENERGY CONVERSION
Ocean thermal plant
[NASA-CASE-KSC-11034-1] c 44 N78-32542

OFFSHORE PLATFORMS
Ocean thermal plant
[NASA-CASE-KSC-11034-1] c 44 N78-32542

OHMMETERS
Positive contact resistance soldering unit
[NASA-CASE-KSC-10242] c 15 N72-23497

OIL EXPLORATION
Underwater seismic source --- for petroleum exploration
[NASA-CASE-NPO-14255-1] c 46 N79-23555
Borehole geological assessment
[NASA-CASE-NPO-14231-1] c 46 N80-10709

OIL RECOVERY
Oil and fat absorbing polymers
[NASA-CASE-NPO-11609-2] c 27 N77-31308
In-situ laser retorting of oil shale
[NASA-CASE-LEW-12217-1] c 43 N78-14452
Crude oil desulfurization
[NASA-CASE-NPO-14542-1] c 25 N82-23282

OILS
Method of recording a gas flow pattern Patent
[NASA-CASE-XMF-01779] c 12 N71-20815
Oil and fat absorbing polymers
[NASA-CASE-NPO-11609-2] c 27 N77-31308

OMNIDIRECTIONAL ANTENNAS
Omnidirectional microwave spacecraft antenna Patent
[NASA-CASE-XLA-03114] c 09 N71-22888
Stacked array of omnidirectional antennas
[NASA-CASE-LAR-10545-1] c 09 N72-21244
Omnidirectional slot antenna for mounting on cylindrical space vehicle
[NASA-CASE-LAR-10163-1] c 09 N72-25247

ONBOARD EQUIPMENT
Survival couch Patent
[NASA-CASE-XLA-00118] c 05 N70-33285
Cryogenic storage system Patent
[NASA-CASE-XMS-04390] c 31 N70-41871
Fiber optic vibration transducer and analyzer Patent
[NASA-CASE-XMF-02433] c 14 N71-10616
Satellite appendage tie down cord Patent
[NASA-CASE-XGS-02554] c 31 N71-21064
Satellite aided vehicle avoidance system Patent
[NASA-CASE-ERC-10090] c 21 N71-24948
A dc servosystem including an ac motor Patent
[NASA-CASE-NPO-10700] c 07 N71-33613
Collapsible Apollo couch
[NASA-CASE-MSC-13140] c 05 N72-11085
Monostable multivibrator
[NASA-CASE-GSC-10082-1] c 10 N72-20221
Delayed simultaneous release mechanism
[NASA-CASE-GSC-10814-1] c 03 N73-20039
Electronic strain-level counter
[NASA-CASE-LAR-10756-1] c 32 N73-26910
Magnetic heading reference
[NASA-CASE-LAR-11387-1] c 04 N76-20114

OPERATING TEMPERATURE
Solar cell having improved back surface reflector
[NASA-CASE-LEW-13620-1] c 44 N83-13579

OPERATIONAL AMPLIFIERS

- Digital automatic gain amplifier
[NASA-CASE-KSC-11008-1] c 33 N79-22373
- Low noise tuned amplifier
[NASA-CASE-GSC-12567-1] c 33 N82-11359
- Reactanceless bandpass amplifier
[NASA-CASE-GSC-12788-1] c 33 N83-12333
- Phase detector for three-phase power factor controller
[NASA-CASE-MFS-25854-1] c 33 N83-17804
- Automatic level control circuit
[NASA-CASE-KSC-11170-1] c 33 N83-36356

OPHTHALMOLOGY

- Ophthalmic method and apparatus
[NASA-CASE-LEW-11669-1] c 05 N73-27062
- Ophthalmic liquifaction pump
[NASA-CASE-LEW-12051-1] c 52 N75-33640

OPTICAL COMMUNICATION

- Retrodirective optical system
[NASA-CASE-XGS-04480] c 16 N69-27491
- Optical communications system Patent
[NASA-CASE-XLA-01090] c 07 N71-12389
- Optical frequency waveguide and transmission system Patent
[NASA-CASE-HQN-10541-4] c 16 N71-27183
- Optical communications system Patent
[NASA-CASE-XLA-01090] c 16 N71-28963
- High pulse rate high resolution optical radar system
[NASA-CASE-NPO-11426] c 07 N73-26119
- Apparatus for simulating optical transmission links
[NASA-CASE-GSC-11877-1] c 74 N76-18913
- Fiber distributed feedback laser
[NASA-CASE-NPO-13531-1] c 36 N76-24553
- Polarization compensator for optical communications
[NASA-CASE-GSC-11782-1] c 74 N76-30053
- Gregorian all-reflective optical system
[NASA-CASE-GSC-12058-1] c 74 N77-26942
- Wideband heterodyne receiver for laser communication system
[NASA-CASE-GSC-12053-1] c 32 N77-28346
- Fiber optic multiplex optical transmission system
[NASA-CASE-KSC-11047-1] c 74 N78-14889
- Integrated opto-electronic laser beam deflector position detector
[NASA-CASE-NPO-15943-1] c 36 N83-20092
- Fiber optic crossbar switch for automatically patching optical signals
[NASA-CASE-KSC-11104-1] c 74 N83-29032

OPTICAL COUPLING

- Automatic quadrature control and measuring system --- using optical coupling circuitry
[NASA-CASE-MFS-21660-1] c 35 N74-21017
- Method for making a bonded single mode fiber optic wavelength coupler
[NASA-CASE-NPO-15464-1] c 74 N83-25540

OPTICAL DATA PROCESSING

- Optical data processing using paraboloidal mirror segments
[NASA-CASE-GSC-11296-1] c 23 N73-30666
- Recorder/processor apparatus --- for optical data processing
[NASA-CASE-GSC-11553-1] c 35 N74-15831
- Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths
[NASA-CASE-NPO-14525-1] c 32 N79-19195
- Interleaving device
[NASA-CASE-GSC-12111-2] c 33 N81-29342
- Real-time multiple-look synthetic aperture radar processor for spacecraft applications
[NASA-CASE-NPO-14054-1] c 32 N82-12297
- Optical stereo video signal processor --- line of sight tracking
[NASA-CASE-MFS-25752-1] c 74 N83-21950
- Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths
[NASA-CASE-NPO-14525-2] c 32 N83-31918

OPTICAL DENSITY

- Medical diagnosis system and method with multispectral imaging --- depth of burns and optical density of the skin
[NASA-CASE-NPO-14402-1] c 52 N81-27783

OPTICAL EMISSION SPECTROSCOPY

- Maksutov spectrograph Patent
[NASA-CASE-XLA-10402] c 14 N71-29041

OPTICAL EQUIPMENT

- Light detection instrument Patent
[NASA-CASE-XGS-05534] c 23 N71-16355
- Optical characteristics measuring apparatus Patent
[NASA-CASE-XNP-08840] c 23 N71-16365
- Combined optical attitude and altitude indicating instrument Patent
[NASA-CASE-XLA-01907] c 14 N71-23268
- Laser grating interferometer Patent
[NASA-CASE-XLA-04295] c 16 N71-24170
- Optical mirror apparatus Patent
[NASA-CASE-ERC-10001] c 23 N71-24868
- Method for generating ultra-precise angles Patent
[NASA-CASE-XGS-04173] c 19 N71-26674

Petzval type objective including field shaping lens

- Patent
[NASA-CASE-GSC-10700] c 23 N71-30027
- Compact spectroradiometer
[NASA-CASE-HQN-10683] c 14 N71-34389
- Fine adjustment mount
[NASA-CASE-MFS-20249] c 15 N72-11386
- Method of coating solar cell with borosilicate glass and resultant product
[NASA-CASE-GSC-11514-1] c 03 N72-24037
- Light sensor
[NASA-CASE-NPO-11311] c 14 N72-25414
- Borescope with variable angle scope
[NASA-CASE-MFS-15162] c 14 N72-32452
- Cyclically operable optical shutter
[NASA-CASE-NPO-10758] c 14 N73-14427
- Star tracking reticles and process for the production thereof
[NASA-CASE-GSC-11188-2] c 21 N73-19630
- Infrared horizon locator
[NASA-CASE-LAR-10726-1] c 14 N73-20475
- Multiple pass reimaging optical system
[NASA-CASE-ARC-10194-1] c 23 N73-20741
- Attitude sensor
[NASA-CASE-LAR-10586-1] c 19 N74-15089
- Formation of star tracking reticles
[NASA-CASE-GSC-11188-3] c 74 N74-20008
- Method and apparatus for optically monitoring the angular position of a rotating mirror
[NASA-CASE-GSC-11353-1] c 74 N74-21304
- Single reflector interference spectrometer and drive system therefor
[NASA-CASE-NPO-11932-1] c 35 N74-23040
- Strain gauge ambiguity sensor for segmented mirror active optical system
[NASA-CASE-MFS-20506-1] c 35 N75-12273
- Optical alignment device
[NASA-CASE-ARC-10932-1] c 74 N76-22993
- Visual examination apparatus
[US-PATENT-RE-28,921] c 52 N76-30793
- Optical instrument employing reticle having preselected visual response pattern formed thereon
[NASA-CASE-ARC-10978-1] c 74 N77-22950
- Opto-mechanical subsystem with temperature compensation through isothermal design
[NASA-CASE-GSC-12059-1] c 35 N77-27366
- Method and apparatus for producing an image from a transparent object
[NASA-CASE-GSC-11989-1] c 74 N77-28932
- Method of treating the surface of a glass member
[NASA-CASE-GSC-12110-1] c 27 N77-32308
- Process for producing a well-adhered durable optical coating on an optical plastic substrate --- abrasion resistant polymethyl methacrylate lenses
[NASA-CASE-ARC-11039-1] c 74 N78-32854
- Water system virus detection
[NASA-CASE-MSC-16098-1] c 51 N79-10693
- Method of forming a sharp edge on an optical device
[NASA-CASE-GSC-12348-1] c 74 N80-24149
- Heat reflecting field stop
[NASA-CASE-LAR-12443-1] c 74 N82-19030
- Dual aperture multispectral Schmidt objective
[NASA-CASE-GSC-12756-1] c 74 N82-30073
- Tool for releasing optical elements
[NASA-CASE-GSC-12794-1] c 37 N83-12434
- Rhomboid prism pair for rotating the plane of parallel light beams
[NASA-CASE-ARC-11311-1] c 74 N83-13978
- Optical system
[NASA-CASE-NPO-15801-1] c 74 N83-25541
- High speed multi focal plane optical system
[NASA-CASE-GSC-12683-1] c 74 N83-36898

OPTICAL FILTERS

- High temperature lens construction Patent
[NASA-CASE-XNP-04111] c 14 N71-15622
- Method and apparatus for eliminating coherent noise in a coherent energy imaging system without destroying spatial coherence
[NASA-CASE-GSC-11133-1] c 23 N72-11568
- Optical noise suppression device and method --- laser light exposing film
[NASA-CASE-MSC-12640-1] c 74 N76-31998
- System for producing chroma signals
[NASA-CASE-MSC-14683-1] c 74 N77-18893
- Optical conversion method --- for spacecraft television
[NASA-CASE-MSC-12618-1] c 74 N78-17865
- Partial polarizer filter
[NASA-CASE-GSC-12225-1] c 74 N79-14891

OPTICAL GYROSCOPES

- Optical gyroscope system
[NASA-CASE-NPO-14258-1] c 35 N81-33448

OPTICAL HETERODYNING

- Multispectral imaging system
[NASA-CASE-MSC-12404-1] c 23 N73-13661
- Gregorian all-reflective optical system
[NASA-CASE-GSC-12058-1] c 74 N77-26942

Wideband heterodyne receiver for laser communication system
[NASA-CASE-GSC-12053-1] c 32 N77-28346

OPTICAL MEASUREMENT

- Passive optical wind and turbulence detection system Patent
[NASA-CASE-XMF-14032] c 20 N71-16340
- Ellipsoidal mirror reflectometer including means for averaging the radiation reflected from the sample Patent
[NASA-CASE-XGS-05291] c 23 N71-16341
- Single reflector interference spectrometer and drive system therefor
[NASA-CASE-NPO-11932-1] c 35 N74-23040
- Hybrid holographic non-destructive test system
[NASA-CASE-MFS-23114-1] c 38 N78-32447
- Plural output optometric sample cell and analysis system
[NASA-CASE-NPO-10233-1] c 74 N78-33913
- Rotary target V-block --- aligning wind tunnel apparatus for optical measurement
[NASA-CASE-LAR-12007-2] c 74 N79-25876
- Apparatus for fiber optic liquid level sensing
[NASA-CASE-MSC-18674-1] c 74 N81-24907
- Film advance indicator
[NASA-CASE-LAR-12474-1] c 35 N82-26628
- Rotary target v-block --- wind tunnel apparatus
[NASA-CASE-LAR-12007-3] c 74 N83-25542
- Interferometric angle monitor
[NASA-CASE-GSC-12614-1] c 74 N83-32577

OPTICAL MEASURING INSTRUMENTS

- Optically pumped resonance magnetometer for determining vectorial components in a spatial coordinate system Patent
[NASA-CASE-XGS-04879] c 14 N71-20428
- Optical machine tool alignment indicator Patent
[NASA-CASE-XAC-09489-1] c 15 N71-26673
- Optical systems having spatially invariant outputs
[NASA-CASE-ERC-10248] c 14 N72-17323
- Optical probing of supersonic flows with statistical correlation
[NASA-CASE-MFS-20642] c 14 N72-21407
- Multiparameter vision testing apparatus
[NASA-CASE-MSC-13601-2] c 54 N75-27759
- Noncontacting method for measuring angular deflection
[NASA-CASE-LAR-12178-1] c 74 N80-21138
- Visible and infrared polarization ratio spectrophotometer
[NASA-CASE-LAR-12285-1] c 35 N80-28687
- Interferometer
[NASA-CASE-NPO-14502-1] c 74 N81-17888
- Focal plane array optical proximity sensor
[NASA-CASE-NPO-15155-1] c 74 N81-22894
- Optical crystal temperature gauge with fiber optic connections
[NASA-CASE-MSC-18627-1] c 74 N82-30071

OPTICAL PATHS

- Optical instruments
[NASA-CASE-MSC-14096-1] c 74 N74-15095
- Large volume multiple-path nuclear pumped laser
[NASA-CASE-LAR-12592-1] c 36 N82-13415

OPTICAL PROPERTIES

- Optical torqueometer Patent
[NASA-CASE-XLE-00503] c 14 N70-34818
- Quasi-optical microwave component Patent
[NASA-CASE-ERC-10011] c 07 N71-29065
- Light sensor
[NASA-CASE-NPO-11311] c 14 N72-25414
- Light direction sensor
[NASA-CASE-NPO-11201] c 14 N72-27409
- Device and method for determining X ray reflection efficiency of optical surfaces
[NASA-CASE-MFS-20243] c 23 N73-13662
- Formation of star tracking reticles
[NASA-CASE-GSC-11188-3] c 74 N74-20008
- Optically actuated two position mechanical mover
[NASA-CASE-NPO-13105-1] c 37 N74-21060
- Modification of the electrical and optical properties of polymers --- ion irradiation to create texture
[NASA-CASE-LEW-13027-1] c 27 N80-24437

OPTICAL PUMPING

- Optical pump and driver system for lasers
[NASA-CASE-ERC-10283] c 16 N72-25485
- Laser head for simultaneous optical pumping of several dye lasers --- with single flash lamp
[NASA-CASE-LAR-11341-1] c 36 N75-19655
- Stabilization of He2(a 3 Sigma u+) molecules in liquid helium by optical pumping for vacuum UV laser 6
[NASA-CASE-NPO-13993-1] c 72 N79-13826
- Off-axis coherently pumped laser
[NASA-CASE-GSC-12592-1] c 36 N81-12407
- Active lamp pulse driver circuit --- optical pumping of laser media
[NASA-CASE-GSC-12566-1] c 33 N83-34189

OPTICAL PYROMETERS

OPTICAL PYROMETERS

Motion picture camera for optical pyrometry Patent
[NASA-CASE-XLA-00062] c 14 N70-33254

OPTICAL RADAR

Acquisition and tracking system for optical radar
[NASA-CASE-MFS-20125] c 18 N72-13437

OPTICAL RANGE FINDERS

Altitude sensing device
[NASA-CASE-XMS-01894-1] c 14 N72-17326

Optical range finder having nonoverlapping complete images
[NASA-CASE-MSC-12105-1] c 14 N72-21409

Ranging system — industrial robotics
[NASA-CASE-NPO-15865-1] c 74 N83-12991

OPTICAL REFLECTION

Hybrid holographic system using reflected and transmitted object beams simultaneously Patent
[NASA-CASE-MFS-20074] c 16 N71-15565

Method for generating ultra-precise angles Patent
[NASA-CASE-XGS-04173] c 19 N71-26674

Illumination system including a virtual light source Patent
[NASA-CASE-HQN-10781] c 23 N71-30292

Diffuse reflective coating
[NASA-CASE-GSC-11214-1] c 06 N73-13128

Gregonian all-reflective optical system
[NASA-CASE-GSC-12058-1] c 74 N77-26942

Lightweight reflector assembly
[NASA-CASE-NPO-13707-1] c 74 N77-28933

Method and apparatus for splitting a beam of energy — optical communication
[NASA-CASE-GSC-12083-1] c 73 N78-32848

Apparatus for and method of compensating dynamic unbalance
[NASA-CASE-GSC-12550-1] c 37 N81-22358

OPTICAL RESONANCE

Optically pumped resonance magnetometer for determining vectorial components in a spatial coordinate system Patent
[NASA-CASE-XGS-04879] c 14 N71-20428

Laser system with an antiresonant optical ring
[NASA-CASE-HQN-10844-1] c 36 N75-19653

OPTICAL SCANNERS

Optical spin compensator
[NASA-CASE-XGS-02401] c 14 N69-27485

Optical inspection apparatus Patent
[NASA-CASE-XMF-00462] c 14 N70-34298

Electro-optical scanning apparatus Patent Application
[NASA-CASE-NPO-11106] c 14 N70-34697

Multi-lobar scan horizon sensor Patent
[NASA-CASE-XGS-00809] c 21 N70-35427

Optical binocular scanning apparatus
[NASA-CASE-NPO-11002] c 14 N72-22441

Spacecraft attitude sensor
[NASA-CASE-GSC-10890-1] c 21 N73-30640

Optical instruments
[NASA-CASE-MSC-14096-1] c 74 N74-15095

Dual digital video switcher
[NASA-CASE-KSC-10782-1] c 33 N75-30431

Traffic survey system — using optical scanners
[NASA-CASE-MFS-22631-1] c 66 N76-19888

Optical scanner — laser doppler velocimeters
[NASA-CASE-LAR-11711-1] c 74 N78-17866

Device for measuring the contour of a surface
[NASA-CASE-LAR-11869-1] c 74 N78-27904

Velocity servo for continuous scan Fourier interference spectrometer
[NASA-CASE-NPO-14093-1] c 35 N80-20563

Method of growing a ribbon crystal particularly suited for facilitating automated control of ribbon width
[NASA-CASE-NPO-14295-1] c 76 N80-32245

Scanning afocal laser velocimeter projection lens system
[NASA-CASE-LAR-12328-1] c 36 N82-32712

OPTICAL TRACKING

Sun tracker with rotatable plane-parallel plate and two photocells Patent
[NASA-CASE-XGS-01159] c 21 N71-10678

Optical tracker having overlapping reticles on parallel axes Patent
[NASA-CASE-XGS-05715] c 23 N71-16100

Optical tracking mount Patent
[NASA-CASE-MFS-14017] c 14 N71-26627

Solar tracking system
[NASA-CASE-MFS-23999-1] c 44 N81-24520

Longwall shearer tracking system
[NASA-CASE-MFS-25717-1] c 43 N83-14807

Optical stereo video signal processor — line of sight tracking
[NASA-CASE-MFS-25752-1] c 74 N83-21950

OPTICAL TRANSFER FUNCTION

Electronic optical transfer function analyzer
[NASA-CASE-MFS-21672-1] c 74 N76-19935

OPTICAL WAVEGUIDES

Fiber optic transmission line stabilization apparatus and method
[NASA-CASE-NPO-15038-1] c 74 N82-19029

Method for making a bonded single mode fiber optic wavelength coupler
[NASA-CASE-NPO-15464-1] c 74 N83-25540

OPTIMAL CONTROL

Energy saving electrical motor control system
[NASA-CASE-MFS-25560-1] c 33 N82-30472

OPTIMIZATION

Maximum power point tracker Patent
[NASA-CASE-GSC-10376-1] c 14 N71-27407

ORAL HYGIENE

Acoustic tooth cleaner
[NASA-CASE-LAR-12471-1] c 52 N82-29862

ORBITAL ASSEMBLY

Structural members, method and apparatus
[NASA-CASE-MSC-16217-1] c 31 N81-27323

Beam connector apparatus and assembly
[NASA-CASE-MFS-25134-1] c 31 N83-31895

ORBITAL MANEUVERS

Passive propellant system
[NASA-CASE-MFS-23842-1] c 20 N80-10278

ORBITAL MECHANICS

A method of delivering a vehicle to earth orbit and returning the reusable portion thereof to earth
[NASA-CASE-MSC-12391] c 30 N73-12884

ORBITAL SPACE STATIONS

Radial module space station Patent
[NASA-CASE-XMS-01908] c 31 N70-41373

Serpentuator Patent
[NASA-CASE-XMF-05344] c 31 N71-16345

Space manufacturing machine Patent
[NASA-CASE-MFS-20410] c 15 N71-19214

ORGANIC CHEMISTRY

Process for interfacial polymerization of pyromellitic dianhydride and 1,2,4, 5-tetraamino-benzene Patent
[NASA-CASE-XLA-03104] c 06 N71-11235

Amino acid analysis
[NASA-CASE-NPO-12130-1] c 25 N75-14844

ORGANIC COMPOUNDS

Process for preparation of dianilinosilanes Patent
[NASA-CASE-XMF-06409] c 06 N71-23230

Dicyanoacetylene polymers Patent
[NASA-CASE-XNP-03250] c 06 N71-23500

Epoxy-aziridine polymer product Patent
[NASA-CASE-NPO-10701] c 06 N71-28620

Diffuse reflective coating
[NASA-CASE-GSC-11214-1] c 06 N73-13128

Automated system for identifying traces of organic chemical compounds in aqueous solutions
[NASA-CASE-NPO-13063-1] c 25 N76-18245

Analysis of volatile organic compounds — trace amounts of organic volatiles in gas samples
[NASA-CASE-MSC-14428-1] c 23 N77-17161

Electrophotolysis oxidation system for measurement of organic concentration in water
[NASA-CASE-MSC-16497-1] c 25 N82-12166

ORGANIC SILICON COMPOUNDS

Oxygen post-treatment of plastic surface coated with plasma polymerized silicon-containing monomers
[NASA-CASE-ARC-10915-2] c 27 N79-18052

ORGANIC SULFUR COMPOUNDS

Coal desulfurization — using iron pentacarbonyl
[NASA-CASE-NPO-14272-1] c 25 N81-33246

ORGANOMETALLIC COMPOUNDS

Ammonium perchlorate composite propellant containing an organic transitional metal chelate catalytic additive Patent
[NASA-CASE-LAR-10173-1] c 27 N71-14090

Tnalkyl-dihalotantalum and niobium compounds Patent
[NASA-CASE-XNP-04023] c 06 N71-28808

ORGANOMETALLIC POLYMERS

Metal containing polymers from cyclic tetrameric phenylphosphonitriamides Patent
[NASA-CASE-HQN-10384] c 06 N71-27363

Thiophenyl ether disiloxanes and trisiloxanes useful as lubricant fluids
[NASA-CASE-MFS-22411-1] c 37 N74-21058

ORIFICE FLOW

Relief valve
[NASA-CASE-XMS-05894-1] c 15 N69-21924

ORIFICES

Rocket engine injector Patent
[NASA-CASE-XLE-03157] c 28 N71-24736

ORTHO HYDROGEN

Cooling by conversion of para to ortho-hydrogen
[NASA-CASE-GSC-12770-1] c 25 N83-29324

ORTHO PARA CONVERSION

Cooling by conversion of para to ortho-hydrogen
[NASA-CASE-GSC-12770-1] c 25 N83-29324

ORTHOGONAL MULTIPLEXING THEORY

Minimal logic block encoder Patent
[NASA-CASE-NPO-10595] c 10 N71-25917

ORTHOGONALITY

Floating two force component measuring device Patent
[NASA-CASE-XAC-04885] c 14 N71-23790

ORTHOPEDICS

Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-1] c 54 N76-22914

Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-2] c 52 N81-25661

ORTHOTROPIC CYLINDERS

Method of making a rocket motor casing Patent
[NASA-CASE-XLE-00409] c 28 N71-15658

Rocket motor casing Patent
[NASA-CASE-XLE-05689] c 28 N71-15659

OSCILLATION DAMPERS

Viscous-pendulum-damper Patent
[NASA-CASE-XLA-02079] c 12 N71-16894

Stabilization of gravity oriented satellites Patent
[NASA-CASE-XAC-01591] c 31 N71-17729

Suspended mass impact damper Patent
[NASA-CASE-LAR-10193-1] c 15 N71-27146

Wind tunnel model damper Patent
[NASA-CASE-XLA-09480] c 11 N71-33612

Apparatus for damping operator induced oscillations of a controlled system — flight control
[NASA-CASE-FRC-11041-1] c 33 N82-18493

Method of damping nutation motion with minimum span axis attitude disturbance
[NASA-CASE-GSC-12551-1] c 18 N83-28064

OSCILLATIONS

Parasitic suppressing circuit
[NASA-CASE-ERC-10403-1] c 10 N73-26228

OSCILLATORS

Electromagnetic mirror drive system
[NASA-CASE-XLA-03724] c 14 N69-27461

Frequency control network for a current feedback oscillator Patent
[NASA-CASE-GSC-10041-1] c 10 N71-19418

Static inverter Patent
[NASA-CASE-XGS-05289] c 09 N71-19470

Signal ratio system utilizing voltage controlled oscillators Patent
[NASA-CASE-XMF-04367] c 09 N71-23545

Pneumatic oscillator Patent
[NASA-CASE-LEW-10345-1] c 10 N71-25899

Wideband VCO with high phase stability Patent
[NASA-CASE-XLA-03893] c 10 N71-27271

Variable frequency oscillator with temperature compensation Patent
[NASA-CASE-XNP-03916] c 09 N71-28810

Inverter oscillator with voltage feedback
[NASA-CASE-NPO-10760] c 09 N72-25254

Controlled oscillator system with a time dependent output frequency
[NASA-CASE-NPO-11962-1] c 33 N74-10194

Ultra-stable oscillator with complementary transistors
[NASA-CASE-GSC-11513-1] c 33 N74-20862

LC-oscillator with automatic stabilized amplitude via bias current control — power supply circuit for transducers
[NASA-CASE-MFS-21698-1] c 33 N74-26732

Frequency modulated oscillator
[NASA-CASE-MFS-23181-1] c 33 N77-17351

Distributed feedback acoustic surface wave oscillator
[NASA-CASE-NPO-13673-1] c 71 N77-26919

JFET oscillator
[NASA-CASE-GSC-12555-1] c 33 N80-26601

Digital numerically controlled oscillator
[NASA-CASE-MSC-16747-1] c 33 N81-17349

Laser resonator
[NASA-CASE-GSC-12565-1] c 36 N82-24485

Dielectric based submillimeter backward wave oscillator circuit
[NASA-CASE-LEW-13736-1] c 33 N83-17802

OSCILLOSCOPES

Waveform simulator Patent
[NASA-CASE-NPO-10251] c 10 N71-27365

Method and apparatus for mapping the sensitivity of the face of a photodetector specifically a PMT
[NASA-CASE-LAR-10320-1] c 09 N72-23172

Exposure interlock for oscilloscope cameras
[NASA-CASE-LAR-10319-1] c 14 N73-32322

X-Y alphanumeric character generator for oscilloscopes
[NASA-CASE-GSC-11582-1] c 33 N75-19517

OUTER PLANETS EXPLORERS

Spectrometer integrated with a facsimile camera
[NASA-CASE-LAR-11207-1] c 35 N75-19613

OUTGASSING

Optical characteristics measuring apparatus Patent
[NASA-CASE-XNP-08840] c 23 N71-16365

Process for glass coating an ion accelerator grid Patent
[NASA-CASE-LEW-10278-1] c 15 N71-28582

Low outgassing polydimethylsiloxane material and preparation thereof
[NASA-CASE-GSC-11358-1] c 06 N73-26100

OUTLET FLOW

Amplified wind turbine apparatus
[NASA-CASE-MFS-23830-1] c 44 N82-24639

OUTPUT

Nonlinear nonsingular feedback shift registers
[NASA-CASE-NPO-13451-1] c 33 N76-14373
High voltage power supply
[NASA-CASE-GSC-12818-1] c 33 N83-29594

OVENS

Heat shield oven
[NASA-CASE-XMS-04318] c 15 N69-27871
Thermocouple, multiple junction reference oven
[NASA-CASE-FRC-10112-1] c 35 N81-26431

OVERPRESSURE

Method and apparatus for suppressing ignition overpressure in solid rocket propulsion systems
[NASA-CASE-MFS-25843-1] c 20 N83-17588

OVERVOLTAGE

Protective circuit of the spark gap type
[NASA-CASE-XAC-08981] c 09 N69-39897
Power responsive overload sensing circuit Patent
[NASA-CASE-GSC-10667-1] c 10 N71-33129
Overvoltage protection network
[NASA-CASE-ARC-10197-1] c 33 N74-17929
Overload protection system for power inverter
[NASA-CASE-NPO-13872-1] c 33 N78-10377

OXAZOLE

Preparation of heterocyclic block copolymer omega-diamidoximes
[NASA-CASE-ARC-11060-1] c 27 N79-22300
The 1,2,4-oxadiazole elastomers --- heat resistant polymers
[NASA-CASE-ARC-11253-1] c 27 N81-17262
Preparation of perfluorinated 1,2,4-oxadiazoles
[NASA-CASE-ARC-11267-2] c 23 N82-28353

OXIDATION

Silicide coatings for refractory metals Patent
[NASA-CASE-XLE-10910] c 18 N71-29040
Automated analysis of oxidative metabolites
[NASA-CASE-ARC-10469-1] c 25 N75-12086
Hydrogen rich gas generator
[NASA-CASE-NPO-13464-2] c 44 N76-29704
Process of forming catalytic surfaces for wet oxidation reactions
[NASA-CASE-MS-14831-1] c 25 N78-10225
Compound oxidized styrylphosphine --- flame resistant vinyl polymers
[NASA-CASE-MS-14903-2] c 27 N80-10358
Method and apparatus for strengthening boron fibers --- high temperature oxidation
[NASA-CASE-LEW-13828-1] c 24 N82-28385

OXIDATION RESISTANCE

Nickel-base alloy containing Mo-W-Al-Cr-Ta-Zr-C-Nb-B Patent
[NASA-CASE-XLE-02082] c 17 N71-16026
Method of protecting the surface of a substrate --- by applying aluminate coating
[NASA-CASE-LEW-11696-1] c 37 N75-13261
Duplex aluminized coatings
[NASA-CASE-LEW-11696-2] c 26 N75-19408
High temperature oxidation resistant cermet compositions
[NASA-CASE-NPO-13666-1] c 27 N77-13217
High temperature resistant cermet and ceramic compositions
[NASA-CASE-NPO-13690-2] c 27 N79-14213
Method of making bearing materials --- self-lubricating, oxidation resistant composites for high temperature applications
[NASA-CASE-LEW-11930-4] c 24 N79-17916
Improved thermal barrier coating system
[NASA-CASE-LEW-13324-1] c 26 N82-26431
Nical ternary alloy having improved cyclic oxidation resistance
[NASA-CASE-LEW-13339-1] c 26 N82-31505
Improved nickel base coating alloy --- oxidation resistant coatings
[NASA-CASE-LEW-13834-1] c 26 N83-24639
Improved thermal barrier coating system
[NASA-CASE-LEW-13324-2] c 26 N83-34014

OXIDATION-REDUCTION REACTIONS

Electrochemical cell for rebalancing REDOX flow system
[NASA-CASE-LEW-13150-1] c 44 N79-26474
Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-1] c 33 N80-20487
Method of making formulated plastic separators for soluble electrode cells
[NASA-CASE-LEW-12358-2] c 25 N82-21268

OXIDE FILMS

Epitaxial thinning process
[NASA-CASE-NPO-15786-1] c 25 N82-26397
Method of forming oxide coatings --- for solar collector heating panels
[NASA-CASE-LEW-13132-1] c 27 N83-29388

OXIDES

Novel polymers and method of preparing same
[NASA-CASE-NPO-10998-1] c 06 N73-32029

OXIDIZERS

Electrolytically regenerative hydrogen-oxygen fuel cell Patent
[NASA-CASE-XLE-04526] c 03 N71-11052
Injection head for delivering liquid fuel and oxidizers
[NASA-CASE-NPO-10046] c 28 N72-17843

OXIMETRY

Method and apparatus for continuously monitoring blood oxygenation, blood pressure, pulse rate and the pressure pulse curve utilizing an ear oximeter as transducer Patent
[NASA-CASE-XAC-05422] c 04 N71-23185

OXYGEN

Analytical test apparatus and method for determining oxide content of alkali metal Patent
[NASA-CASE-XLE-01897] c 06 N71-23527
Method for removing oxygen impurities from cesium Patent
[NASA-CASE-XNP-04262-2] c 17 N71-26773
Method of detecting oxygen in a gas
[NASA-CASE-LAR-10688-1] c 06 N73-16106
Method for obtaining oxygen from lunar or similar soil
[NASA-CASE-MS-12408-1] c 46 N74-13011
Nonflammable coating compositions --- for use in high oxygen environments
[NASA-CASE-MFS-20486-2] c 27 N74-17283
State-of-charge coulometer
[NASA-CASE-NPO-15759-1] c 35 N82-26630

OXYGEN CONSUMPTION

Method and system for respiration analysis Patent
[NASA-CASE-XFR-08403] c 05 N71-11202

OXYGEN FLUORIDES

Utilization of oxygen difluoride for syntheses of fluoropolymers
[NASA-CASE-NPO-12061-1] c 27 N76-16228

OXYGEN METABOLISM

Metabolic analyzer --- for measuring metabolic rate and breathing dynamics of human beings
[NASA-CASE-MFS-21415-1] c 52 N74-20728

OXYGEN PLASMA

Oxygen post-treatment of plastic surface coated with plasma polymerized silicon-containing monomers
[NASA-CASE-ARC-10915-2] c 27 N79-18052

OXYGEN REGULATORS

Lead-oxygen dc power supply system having a closed loop oxygen and water system
[NASA-CASE-MFS-23059-1] c 44 N76-27664

OXYGEN SUPPLY EQUIPMENT

Self-contained breathing apparatus
[NASA-CASE-MS-14733-1] c 54 N76-24900
Slow opening valve
[NASA-CASE-MS-20112-1] c 37 N82-28641

OZONE

Thermoluminescent aerosol analysis
[NASA-CASE-LAR-12046-1] c 25 N78-15210
Ozonation of cooling tower waters
[NASA-CASE-NPO-14340-1] c 45 N80-14579
Curable liquid hydrocarbon prepolymers containing hydroxyl groups and process for producing same
[NASA-CASE-NPO-13137-1] c 27 N80-32514

P

P-I-N JUNCTIONS

High voltage v-groove solar cell
[NASA-CASE-LEW-13401-2] c 44 N83-32177

P-N JUNCTIONS

Thin window, drifted silicon, charged particle detector
[NASA-CASE-XLE-10529] c 14 N69-23191
Semiconductor p-n junction stress and strain sensor
[NASA-CASE-XLA-04980] c 09 N69-27422
Radiation resistant silicon semiconductor devices Patent
[NASA-CASE-XGS-07801] c 09 N71-12513
Biomedical radiation detecting probe Patent
[NASA-CASE-XMS-01177] c 05 N71-19440
Method of making electrical contact on silicon solar cell and resultant product Patent
[NASA-CASE-XLE-04787] c 03 N71-20492
Method of changing the conductivity of vapor deposited gallium arsenide by the introduction of water into the vapor deposition atmosphere Patent
[NASA-CASE-XNP-01961] c 26 N71-29156
Method of making semiconductor p-n junction stress and strain sensor
[NASA-CASE-XLA-04980-2] c 14 N72-28438
Semiconductor surface protection material
[NASA-CASE-ERC-10339-1] c 18 N73-30532
Method and apparatus for measuring minority carrier lifetimes and bulk diffusion length in P-N junction solar cells
[NASA-CASE-NPO-14100-1] c 44 N79-12541

Back wall solar cell
[NASA-CASE-LEW-12236-2] c 44 N79-14528

P-TYPE SEMICONDUCTORS

Semiconductor material and method of making same Patent
[NASA-CASE-XLE-02798] c 26 N71-23654
Integrated P-channel MOS gyrator
[NASA-CASE-MFS-22343-1] c 33 N74-34638
Method of fabricating Schottky Barrier solar cell
[NASA-CASE-NPO-13689-4] c 44 N82-28780

PACKAGES

Impact testing machine Patent
[NASA-CASE-XNP-04817] c 14 N71-23225
One hand backpack harness
[NASA-CASE-LAR-10102-1] c 05 N72-23085

PACKAGING

Folding apparatus Patent
[NASA-CASE-XLA-00137] c 15 N70-33180
Reflector space satellite Patent
[NASA-CASE-LAR-00138] c 31 N70-37981
Apparatus and method for skin packaging articles
[NASA-CASE-MFS-20855] c 15 N73-27405
Double-sided solar cell package
[NASA-CASE-NPO-14199-1] c 44 N79-25482
Line hook with loop expander
[NASA-CASE-LAR-12875-1] c 37 N83-20156

PACKING DENSITY

Micropacked column for a chromatographic system
[NASA-CASE-NPO-04816] c 06 N69-39936

PACKINGS (SEALS)

Fluid seal for rotating shafts
[NASA-CASE-LEW-11676-1] c 37 N76-22541

PAD

Lubricated journal bearing
[NASA-CASE-LEW-11076-3] c 37 N75-30562

PAINTS

Intumescent paints Patent
[NASA-CASE-ARC-10099-1] c 18 N71-15469
Alkali metal silicate protective coating Patent
[NASA-CASE-XGS-04799] c 18 N71-24183
Inorganic thermal control pigment Patent
[NASA-CASE-XNP-02139] c 18 N71-24184

PALLADIUM

Electrically conductive palladium containing polyimide films
[NASA-CASE-LAR-12705-1] c 25 N82-26396

PALLADIUM COMPOUNDS

Prevention of pressure build-up in electrochemical cells Patent
[NASA-CASE-XGS-01419] c 03 N70-41864
Process for separation of dissolved hydrogen from water by use of palladium and process for coating palladium with palladium black
[NASA-CASE-MS-13335-1] c 06 N72-31140

PANELS

All-directional fastener Patent
[NASA-CASE-XLA-01807] c 15 N71-10799
Panelized high performance multilayer insulation Patent
[NASA-CASE-MFS-14023] c 33 N71-25351
Solar panel fabrication Patent
[NASA-CASE-XNP-03413] c 03 N71-26726
Method of making pressurized panel Patent
[NASA-CASE-XLA-08916] c 15 N71-29018
Honeycomb panels formed of minimal surface periodic tubule layers
[NASA-CASE-ERC-10364] c 18 N72-25540
Pressurized panel
[NASA-CASE-XLA-08916-2] c 14 N73-28487
Ultrasonic scanner for radial and flat panels
[NASA-CASE-MFS-20335-1] c 35 N74-10415
Folding structure fabricated of rigid panels
[NASA-CASE-XHQ-02148] c 18 N75-27040
Method of making a composite sandwich lattice structure
[NASA-CASE-LAR-11898-2] c 24 N78-17149
Selective coating for solar panels --- using black chrome and black nickel
[NASA-CASE-LEW-12159-1] c 44 N78-19599
Hexagon solar power panel
[NASA-CASE-NPO-12148-1] c 44 N78-27515
Aluminum or copper substrate panel for selective absorption of solar energy
[NASA-CASE-MFS-23518-3] c 44 N80-16452
Structural wood panels with improved fire resistance
[NASA-CASE-ARC-11174-1] c 24 N81-13999
Glass heating panels and method for preparing the same from architectural reflective glass
[NASA-CASE-NPO-15753-1] c 33 N82-23396
Prestressed thermal protection systems --- space shuttle orbiters
[NASA-CASE-MS-20254-1] c 24 N83-17601
Method of forming oxide coatings --- for solar collector heating panels
[NASA-CASE-LEW-13132-1] c 27 N83-29388

- Daze fasteners
[NASA-CASE-LAR-13009-1] c 37 N83-29706
- PAPER (MATERIAL)**
Process for purification of waste water produced by a Kraft process pulp and paper mill
[NASA-CASE-NPO-13847-2] c 85 N79-17747
- PAPERS**
Guide for a typewriter
[NASA-CASE-MFS-15218-1] c 37 N77-19457
- PARA HYDROGEN**
Cooling by conversion of para to ortho-hydrogen
[NASA-CASE-GSC-12770-1] c 25 N83-29324
- PARABOLIC ANTENNAS**
Antenna beam-shaping apparatus Patent
[NASA-CASE-XNP-00611] c 09 N70-35219
Reversible motion drive system Patent
[NASA-CASE-NPO-10173] c 15 N71-24696
Switchable beamwidth monopulse method and system
[NASA-CASE-GSC-11924-1] c 33 N76-27472
Telescoping columns — parabolic antenna support
[NASA-CASE-LAR-12195-1] c 31 N81-27324
Focal axis resolver for offset reflector antennas
[NASA-CASE-GSC-12630-1] c 33 N83-36355
- PARABOLIC REFLECTORS**
Parabolic reflector horn feed with spillover correction Patent
[NASA-CASE-XNP-00540] c 09 N70-35382
Foldable solar concentrator Patent
[NASA-CASE-XLA-04622] c 03 N70-41580
Collapsible reflector Patent
[NASA-CASE-XMS-03454] c 09 N71-20658
Plural beam antenna
[NASA-CASE-GSC-11013-1] c 09 N73-19234
Composite antenna feed
[NASA-CASE-GSC-11046-1] c 07 N73-28013
Single frequency, two feed dish antenna having switchable beamwidth
[NASA-CASE-GSC-11968-1] c 32 N76-15329
Sun tracking solar energy collector
[NASA-CASE-NPO-13921-1] c 44 N79-14526
Horizontally mounted solar collector
[NASA-CASE-MFS-23349-1] c 44 N79-23481
Solar concentrator
[NASA-CASE-MFS-23727-1] c 44 N80-14473
Apparatus for and method of compensating dynamic unbalance
[NASA-CASE-GSC-12550-1] c 37 N81-22358
- PARABOLOID MIRRORS**
Optical data processing using paraboloidal mirror segments
[NASA-CASE-GSC-11296-1] c 23 N73-30666
Three mirror glancing incidence system for X-ray telescope
[NASA-CASE-MFS-21372-1] c 74 N74-27866
Multiple-beam, high-power, precision pointing antenna system
[NASA-CASE-NPO-15406-1] c 33 N82-12345
- PARACHUTE DESCENT**
Parachute glider Patent
[NASA-CASE-XLA-00898] c 02 N70-36804
Vehicle parachute and equipment jettison system Patent
[NASA-CASE-XLA-00195] c 02 N70-38009
Line cutter Patent
[NASA-CASE-XMS-04072] c 15 N70-42017
Vortex breach high pressure gas generator
[NASA-CASE-LAR-10549-1] c 31 N73-13898
- PARACHUTE FABRICS**
Lightweight, variable solidity knitted parachute fabric — for aerodynamic decelerators
[NASA-CASE-LAR-10776-1] c 02 N74-10034
Method for refurbishing and processing parachutes
[NASA-CASE-KSC-11042-1] c 09 N82-29330
- PARACHUTES**
System for stabilizing torque between a balloon and gondola
[NASA-CASE-GSC-11077-1] c 02 N73-13008
Deploy/release system — model aircraft flight control
[NASA-CASE-LAR-11575-1] c 02 N76-16014
System and method for refurbishing and processing parachutes — monoval conveyor system
[NASA-CASE-KSC-11042-2] c 02 N81-26073
Method for refurbishing and processing parachutes
[NASA-CASE-KSC-11042-1] c 09 N82-29330
Line hook with loop expander
[NASA-CASE-LAR-12875-1] c 37 N83-20156
Extended moment arm anti-spin device
[NASA-CASE-LAR-12979-1] c 02 N83-29173
Dual towline anti-spin device — for flight tests
[NASA-CASE-LAR-13076-1] c 05 N83-34934
- PARAGLIDERS**
Parachute glider Patent
[NASA-CASE-XLA-00898] c 02 N70-36804

PARALLAX

- Projection system for display of parallax and perspective
[NASA-CASE-MFS-23194-1] c 35 N78-17357

PARALLEL PLATES

- Parallel plate viscometer Patent
[NASA-CASE-XNP-09482] c 14 N71-17584
Dynamic capacitor having a peripherally driven element and system incorporating the same
[NASA-CASE-XNP-02899-1] c 33 N79-21265
Multiple plate hydrostatic viscous damper
[NASA-CASE-LEW-12445-1] c 37 N81-22360

PARALLEL PROCESSING (COMPUTERS)

- Digital data reformatter/deserializer
[NASA-CASE-NPO-13676-1] c 60 N79-20751
Massively parallel processor computer
[NASA-CASE-GSC-12223-1] c 60 N83-25378
Memory-based parallel data output controller
[NASA-CASE-GSC-12447-2] c 17 N83-29302

PARALLELOGRAMS

- Unidirectional flexural pivot
[NASA-CASE-GSC-12622-1] c 37 N81-22359

PARAMETRIC AMPLIFIERS

- Parametric amplifiers with idler circuit feedback
[NASA-CASE-LAR-10253-1] c 09 N72-25258
Millimeter wave pumped parametric amplifier
[NASA-CASE-GSC-11617-1] c 33 N74-32660

PARAMETRIC FREQUENCY CONVERTERS

- Method and apparatus for quadrupole-shift-key and linear phase modulation
[NASA-CASE-NPO-14444-1] c 33 N81-15192

PARAWINGS

- Wing deployment method and apparatus Patent
[NASA-CASE-XMS-00907] c 02 N70-41630

PARKING

- Automated multi-level vehicle parking system
[NASA-CASE-NPO-13058-1] c 37 N77-22480

PARTIAL PRESSURE

- Vapor pressure measuring system and method Patent
[NASA-CASE-XMS-01618] c 14 N71-20741

PARTICLE ACCELERATION

- Molecular beam velocity selector Patent
[NASA-CASE-XLE-01533] c 11 N71-10777
Dust particle injector for hypervelocity accelerators Patent
[NASA-CASE-XGS-06628] c 24 N71-16213

PARTICLE ACCELERATOR TARGETS

- Dispensing targets for ion beam particle generators
[NASA-CASE-NPO-13112-1] c 73 N74-26767
Deuteron pass through target — neutron emitting target
[NASA-CASE-LEW-11866-1] c 72 N76-15860
Closed loop spray cooling apparatus — for particle accelerator targets
[NASA-CASE-LEW-11981-1] c 31 N78-17237

PARTICLE BEAMS

- Particle beam measurement apparatus using beam kinetic energy to change the heat sensitive resistance of the detection probe Patent
[NASA-CASE-XLE-00243] c 14 N70-38602
Doppler shift system — system for measuring velocities of radiating particles
[NASA-CASE-HQN-10740-1] c 72 N74-19310

PARTICLE COLLISIONS

- Particle detection apparatus including a ballistic pendulum Patent
[NASA-CASE-XMS-04201] c 14 N71-22990

PARTICLE DENSITY (CONCENTRATION) DEVICE

- Micrometeoroid velocity measuring device Patent
[NASA-CASE-XLA-00495] c 14 N70-41332
Acoustic particle separation
[NASA-CASE-NPO-15559-1] c 71 N82-29112

PARTICLE DIFFUSION

- Acoustic particle separation
[NASA-CASE-NPO-15559-1] c 71 N82-29112

PARTICLE EMISSION

- Extended area semiconductor radiation detectors and a novel readout arrangement Patent
[NASA-CASE-XGS-03230] c 14 N71-23401
Coincidence apparatus for detecting particles
[NASA-CASE-XLA-07813] c 14 N72-17328

PARTICLE ENERGY

- Particle detection apparatus Patent
[NASA-CASE-XLA-00135] c 14 N70-33322
Particulate and aerosol detector
[NASA-CASE-LAR-11434-1] c 35 N76-22509

PARTICLE MASS

- Cosmic dust analyzer
[NASA-CASE-MSC-13802-2] c 35 N76-15431
Microbalance — for measuring particle mass
[NASA-CASE-MSC-11242] c 35 N78-17358

PARTICLE MOTION

- Moving particle composition analyzer
[NASA-CASE-GSC-11889-1] c 35 N76-16393

PARTICLE PRECIPITATION

- Acoustic agglomeration methods and apparatus
[NASA-CASE-NPO-15466-1] c 71 N82-27087

PARTICLE PRODUCTION

- Production of I-123
[NASA-CASE-LEW-11390-3] c 25 N76-29379

PARTICLE SIZE DISTRIBUTION

- Micropacked column for a chromatographic system
[NASA-CASE-XNP-04816] c 06 N69-39936
Apparatus for making a metal slurry product Patent
[NASA-CASE-XLE-00010] c 15 N70-33382
Method of producing refractory composites containing tantalum carbide, hafnium carbide, and hafnium boride Patent
[NASA-CASE-XLE-03940] c 18 N71-26153

- Grain refinement control in TiG arc welding
[NASA-CASE-MSC-19095-1] c 37 N75-19683

- Apparatus for handling micron size range particulate material
[NASA-CASE-NPO-10151] c 37 N78-17386

- Frequency-scanning particle size spectrometer
[NASA-CASE-NPO-13606-2] c 35 N80-18364

- Process for preparation of large-particle-size monodisperse latexes
[NASA-CASE-MFS-25000-1] c 25 N81-19242

- Polyvinyl alcohol battery separator containing inert filler — alkaline batteries
[NASA-CASE-LEW-13556-1] c 44 N81-27615

- Powder fed sheared dispersal particle generator
[NASA-CASE-LAR-12785-1] c 34 N82-24448

- Acoustic particle separation
[NASA-CASE-NPO-15559-1] c 71 N82-29112

PARTICLE TRAJECTORIES

- Micrometeoroid velocity and trajectory analyzer
[NASA-CASE-GSC-11892-1] c 35 N76-15433

- Direction sensitive laser velocimeter — determining the direction of particles using a helium-neon laser
[NASA-CASE-LAR-12177-1] c 36 N81-24422

PARTICLES

- Soil particles separator, collector and viewer Patent
[NASA-CASE-XNP-09770] c 15 N71-20440

- Apparatus for producing metal powders
[NASA-CASE-XLE-06461-2] c 17 N72-28535

- Particle parameter analyzing system — x-y plotter circuits and display
[NASA-CASE-XLE-06094] c 33 N78-17293

- Surfactant-assisted liquefaction of particulate carbonaceous substances
[NASA-CASE-NPO-13904-1] c 25 N79-11152

PARTICULATE SAMPLING

- Apparatus for sampling particulates in gases
[NASA-CASE-HQN-10037-1] c 14 N72-27376

- Electrophoretic sample insertion — device for uniformly distributing samples in flow path
[NASA-CASE-MFS-21395-1] c 25 N74-26948

- Sampler of gas borne particles
[NASA-CASE-NPO-13396-1] c 35 N76-18401

- Fine particulate capture device
[NASA-CASE-LEW-11583-1] c 35 N79-17192

- Biocontamination and particulate detection system
[NASA-CASE-NPO-13953-1] c 35 N79-28527

- Particle analyzing method and apparatus
[NASA-CASE-NPO-15292-1] c 35 N83-27184

PASSAGEWAYS

- Inflatable tether Patent
[NASA-CASE-XMS-10993] c 15 N71-28936

- Prosthetic occlusive device for an internal passageway
[NASA-CASE-MFS-25640-1] c 52 N82-26962

PASSIVE SATELLITES

- Passive communication satellite Patent
[NASA-CASE-XLA-00210] c 30 N70-40309

- Method and apparatus for determining electromagnetic characteristics of large surface area passive reflectors Patent
[NASA-CASE-XGS-02608] c 07 N70-41678

- Method of making an inflatable panel Patent
[NASA-CASE-XLA-03497] c 15 N71-23052

PATENT APPLICATIONS

- Supercritical solvent coal extraction
[NASA-CASE-NPO-15210-1] c 28 N82-26481

- Chemical approach for controlling nadamide cure temperature and rate
[NASA-CASE-LEW-13770-1] c 27 N83-13258

- Elastomer-modified phosphorus-containing imide resins
[NASA-CASE-ARC-11400-1] c 27 N83-14276

PATENTS

- Constant magnification optical tracking system
[NASA-CASE-NPO-14813-1] c 74 N82-24072

- Method for depositing an oxide coating
[NASA-CASE-LEW-13131-1] c 44 N83-10494

- High stability amplifier
[NASA-CASE-GSC-12646-1] c 33 N83-34191

SUBJECT INDEX

PATIENTS

Stretcher Patent
[NASA-CASE-XMF-06589] c 05 N71-23159

PATTERN RECOGNITION

Surface roughness detector Patent
[NASA-CASE-XLA-00203] c 14 N70-34161
Auditory display for the blind
[NASA-CASE-HQN-10832-1] c 71 N74-21014

PAYLOAD RETRIEVAL (STS)

Simulator method and apparatus for practicing the mating of an observer-controlled object with a target
[NASA-CASE-MFS-23052-2] c 74 N79-13855
Satellite retrieval system
[NASA-CASE-MFS-25403-1] c 18 N83-29303

PAYLOADS

Foam generator Patent
[NASA-CASE-XLA-00838] c 03 N70-36778
Spacecraft separation system for spinning vehicles and/or payloads Patent
[NASA-CASE-XLA-02132] c 31 N71-10582
Payload/burned-out motor case separation system Patent
[NASA-CASE-XLA-05369] c 31 N71-15687
Velocity package Patent
[NASA-CASE-XLA-01339] c 31 N71-15692
Omnidirectional multiple impact landing system Patent
[NASA-CASE-XLA-09881] c 31 N71-16085
Zero gravity apparatus Patent
[NASA-CASE-XMF-06515] c 14 N71-23227

PCM TELEMETRY

Variable time constant smoothing circuit Patent
[NASA-CASE-XGS-01983] c 10 N70-41964
Data transfer system Patent
[NASA-CASE-NPO-12107] c 08 N71-27255
High speed direct binary-to-binary coded decimal converter
[NASA-CASE-KSC-10326] c 08 N72-21197

PEELING

Wire stripper
[NASA-CASE-FRC-10111-1] c 37 N79-10419
Elastomer toughened polyimide adhesives
[NASA-CASE-LAR-12775] c 27 N83-29390

PELLETS

Support structure for irradiated elements Patent
[NASA-CASE-XNP-06031] c 15 N71-15606
Contactless pellet fabrication --- targets for inertial confinement fusion
[NASA-CASE-NPO-15592-1] c 31 N83-17746

PELTIER EFFECTS

Protection for energy conversion systems
[NASA-CASE-XGS-04808] c 03 N69-25146
Memory metal actuator --- for use in electromechanical servocontrol systems
[NASA-CASE-NPO-15960-1] c 37 N83-36485

PENETRANTS

Dye penetrant for surfaces subsequently contacted by liquid oxygen Patent
[NASA-CASE-XMF-02221] c 18 N71-27170

PENETRATION

Method and device for detection of surface discontinuities or defects
[NASA-CASE-MSC-14187-1] c 35 N74-32879
Fire extinguishing apparatus having a slideable mass for a penetrator nozzle --- for penetrating aircraft and shuttle orbiter skin
[NASA-CASE-KSC-11064-1] c 31 N81-14137

PENETROMETERS

Lunar penetrometer Patent
[NASA-CASE-XLA-00934] c 14 N71-22765
Self-recording portable soil penetrometer
[NASA-CASE-MFS-20774] c 14 N73-19420
Soil penetrometer
[NASA-CASE-XNP-05530] c 14 N73-32321
Penetrometer --- for determining load bearing characteristics of inclined surfaces
[NASA-CASE-NPO-11103-1] c 35 N77-27367
Coal-shale interface detection
[NASA-CASE-MFS-23720-3] c 43 N79-25443

PERCEPTION

Method for measuring cutaneous sensory perception
[NASA-CASE-MSC-13609-1] c 05 N72-25122

PERFLUORO COMPOUNDS

Hydroxy terminated perfluoro ethers Patent
[NASA-CASE-NPO-10768] c 06 N71-27254
Perfluoro polyether acyl fluorides
[NASA-CASE-NPO-10765] c 06 N72-20121
Reaction of fluorine with polyperfluoropolyenes
[NASA-CASE-NPO-10862] c 06 N72-22107
Silyphenylenesiloxane polymers having in-chain perfluoroalkyl groups
[NASA-CASE-MFS-20979] c 06 N72-25151
Polymers of perfluorobutadiene and method of manufacture
[NASA-CASE-NPO-10863-2] c 06 N72-25152

Polyurethane resins from hydroxy terminated perfluoro ethers

[NASA-CASE-NPO-10768-2] c 06 N72-27144
Polymerizable disilanol having in-chain perfluoroalkyl groups

[NASA-CASE-MFS-20979-2] c 06 N73-32030
Perfluoro alkylene dioxy-bis-(4-phthalic anhydrides and oxy-bis-(perfluoroalkyleneoxyphthalic anhydrides)
[NASA-CASE-MFS-22356-1] c 23 N75-30256

Preparation of perfluorinated imidoylamidoximes --- for eventual preparation of heat and chemical resistant polymers

[NASA-CASE-ARC-11267-1] c 23 N80-26386
Improved process for preparing perfluorotriazine elastomers and precursors thereof
[NASA-CASE-ARC-11402-1] c 27 N82-26462

Preparation of perfluorinated 1,2,4-oxadiazoles
[NASA-CASE-ARC-11267-2] c 23 N82-28353

High performance channel injection sealant invention abstract

[NASA-CASE-ARC-14408-1] c 27 N82-33523
Fluorocether modified epoxy composites
[NASA-CASE-ARC-11418-1] c 24 N83-17603

PERFLUOROALKANE

Preparation of heterocyclic block copolymer omega-diamidoximes
[NASA-CASE-ARC-11060-1] c 27 N79-22300

PERFORATED PLATES

Process for glass coating an ion accelerator gnd Patent
[NASA-CASE-LEW-10278-1] c 15 N71-28582

PERFORATED SHELLS

Method of fabricating an article with cavities --- with thin bottom walls
[NASA-CASE-LAR-10318-1] c 31 N74-18089

PERFORMANCE PREDICTION

Failure detection and control means for improved drift performance of a gimbaled platform system
[NASA-CASE-MFS-23551-1] c 04 N76-26175

PERFORMANCE TESTS

Frangible electrochemical cell
[NASA-CASE-XGS-10010] c 03 N72-15986
Solar cell assembly test method
[NASA-CASE-NPO-10401] c 03 N72-20033
Linear explosive compaction
[NASA-CASE-LAR-10800-1] c 33 N72-27959

PERIODIC VARIATIONS

Mount for continuously orienting a collector dish in a system adapted to perform both diurnal and seasonal solar tracking
[NASA-CASE-MFS-23267-1] c 35 N77-20401

PERMEABILITY

Ionene membrane separator
[NASA-CASE-NPO-11091] c 18 N72-22567
System for detecting substructure microfractures and method therefore
[NASA-CASE-NPO-14192-1] c 39 N80-10507
Dialysis system --- using ion exchange resin membranes permeable to urea molecules
[NASA-CASE-NPO-14101-1] c 52 N80-14687
Geological assessment probe
[NASA-CASE-NPO-14558-1] c 46 N80-24906

PEROXIDES

Method of polymerizing perfluorobutadiene Patent application
[NASA-CASE-NPO-10447] c 06 N70-11252

PERSPIRATION

Method of making a perspiration resistant biopotential electrode
[NASA-CASE-MSC-90153-2] c 05 N72-25120
Sweat collection capsule
[NASA-CASE-ARC-11031-1] c 52 N81-29763

PERTURBATION

Gaseous control system for nuclear reactors
[NASA-CASE-XLE-04599] c 22 N72-20597

PERTURBATION THEORY

Dual wavelength scanning Doppler velocimeter --- without perturbation of flow fields
[NASA-CASE-ARC-10637-1] c 35 N75-16783

PHASE COHERENCE

Signal phase estimator
[NASA-CASE-NPO-11203] c 10 N72-20224
Coherent receiver employing nonlinear coherence detection for carrier tracking
[NASA-CASE-NPO-11921-1] c 32 N74-30523

PHASE CONTROL

Rapid sync acquisition system Patent
[NASA-CASE-NPO-10214] c 10 N71-26577
Wideband VCO with high phase stability Patent
[NASA-CASE-XLA-03893] c 10 N71-27271
Induction motor control system with voltage controlled oscillator circuit
[NASA-CASE-MFS-21465-1] c 10 N73-32145
System for generating timing and control signals
[NASA-CASE-NPO-13125-1] c 33 N75-19519

PHASE LOCKED SYSTEMS

Digital numerically controlled oscillator
[NASA-CASE-MSC-16747-1] c 33 N81-17349
Method and apparatus for self-calibration and phasing of array antenna
[NASA-CASE-NPO-15920-1] c 32 N82-33593
Combinational logic for generating gate drive signals for phase control rectifiers
[NASA-CASE-MFS-25208-1] c 33 N83-10345
System for controlled acoustic rotation of objects
[NASA-CASE-NPO-15522-1] c 71 N83-32516

PHASE DEMODULATORS

Phase demodulation system with two phase locked loops Patent
[NASA-CASE-XNP-00777] c 10 N71-19469
Linear phase demodulator including a phase locked loop with auxiliary feedback loop
[NASA-CASE-GSC-12018-1] c 33 N77-14334

PHASE DETECTORS

Phase detector assembly Patent
[NASA-CASE-XMF-00701] c 09 N70-40272
Bi-polar phase detector and corrector for split phase PCM data signals Patent
[NASA-CASE-XGS-01590] c 07 N71-12392
High speed phase detector Patent
[NASA-CASE-XNP-01306-2] c 09 N71-24596
Phase protection system for ac power lines
[NASA-CASE-MSC-17832-1] c 33 N74-14956
Low distortion automatic phase control circuit --- voltage controlled phase shifter
[NASA-CASE-MFS-21671-1] c 33 N74-22885
Correlation type phase detector --- with time correlation integrator for frequency multiplexed signals
[NASA-CASE-GSC-11744-1] c 33 N75-26243
Impact position detector for outer space particles
[NASA-CASE-GSC-11829-1] c 35 N75-27331
Frequency discriminator and phase detector circuit
[NASA-CASE-NPO-11515-1] c 33 N77-13315
Phase substitution of spare converter for a failed one of parallel phase staggered converters
[NASA-CASE-NPO-13812-1] c 33 N77-30365
Apparatus and method for stabilized phase detection for binary signal tracking loops
[NASA-CASE-MSC-16461-1] c 33 N79-11313
Receiving and tracking phase modulated signals
[NASA-CASE-MSC-16170-2] c 32 N81-16338
High stability buffered phase comparator
[NASA-CASE-GSC-12645-1] c 33 N81-31482
Phase sensitive guidance sensor for wire-following vehicles
[NASA-CASE-NPO-15341-1] c 33 N82-12346
Phase detector for three-phase power factor controller
[NASA-CASE-MFS-25854-1] c 33 N83-17804

PHASE DEVIATION

System for stabilizing cable phase delay utilizing a coaxial cable under pressure
[NASA-CASE-NPO-13138-1] c 33 N74-17927

PHASE LOCK DEMODULATORS

Compensating bandwidth switching transients in an amplifier circuit Patent
[NASA-CASE-XNP-01107] c 10 N71-28859

PHASE LOCKED SYSTEMS

Automatic acquisition system for phase-locked loop
[NASA-CASE-XGS-04994] c 09 N69-21543
Phase-locked loop with sideband rejecting properties Patent
[NASA-CASE-XNP-02723] c 07 N70-41680
Automatic frequency discriminators and control for a phase-locked loop providing frequency preset capabilities Patent
[NASA-CASE-XMF-08665] c 10 N71-19467
Burst synchronization detection system Patent
[NASA-CASE-XMS-05605-1] c 10 N71-19468
Phase demodulation system with two phase locked loops Patent
[NASA-CASE-XNP-00777] c 10 N71-19469
Diversity receiving system with diversity phase lock Patent
[NASA-CASE-XGS-01222] c 10 N71-20841
Phase locked phase modulator including a voltage controlled oscillator Patent
[NASA-CASE-XNP-05382] c 10 N71-23544
Video sync processor Patent
[NASA-CASE-KSC-10002] c 10 N71-25865
Transition tracking bit synchronization system
[NASA-CASE-NPO-10844] c 07 N72-20140
Data-aided carrier tracking loops
[NASA-CASE-NPO-11282] c 10 N73-16205
Filter for third order phase locked loops
[NASA-CASE-NPO-11941-1] c 10 N73-27171
Receiver with an improved phase lock loop in a multichannel telemetry system with suppressed carrier
[NASA-CASE-NPO-11593-1] c 07 N73-28012
Automatic carrier acquisition system
[NASA-CASE-NPO-11628-1] c 07 N73-30113
Digital second-order phase-locked loop
[NASA-CASE-NPO-11905-1] c 33 N74-12887

Phase-locked servo system --- for synchronizing the rotation of slip ring assembly
[NASA-CASE-MFS-22073-1] c 33 N75-13139
Low speed phaselock speed control system --- for brushless dc motor
[NASA-CASE-GSC-11127-1] c 09 N75-24758
Digital phase-locked loop
[NASA-CASE-GSC-11623-1] c 33 N75-25040
Telemetry synchronizer
[NASA-CASE-GSC-11868-1] c 17 N76-22245
Linear phase demodulator including a phase locked loop with auxiliary feedback loop
[NASA-CASE-GSC-12018-1] c 33 N77-14334
Frequency translating phase conjugation circuit for active retrodirective antenna array --- microwave transmission
[NASA-CASE-NPO-14536-1] c 32 N81-14185
PN lock indicator for dithered PN code tracking loop
[NASA-CASE-NPO-14435-1] c 33 N81-33405
Discriminator aided phase lock acquisition for suppressed carrier signals
[NASA-CASE-NPO-14311-1] c 33 N82-29539
Pulsed phase locked loop strain monitor --- voltage controlled oscillators
[NASA-CASE-LAR-12772-1] c 33 N83-16626
Apparatus and method for tracking the fundamental frequency of an analog input signal
[NASA-CASE-ARC-11367-1] c 33 N83-21238

PHASE MODULATION

Phase quadrature-plural channel data transmission system Patent
[NASA-CASE-XAC-06302] c 08 N71-19763
Adaptive tracking notch filter system Patent
[NASA-CASE-XMF-01892] c 10 N71-22986
Phase locked phase modulator including a voltage controlled oscillator Patent
[NASA-CASE-XNP-05382] c 10 N71-23544
Phase multiplying electronic scanning system Patent
[NASA-CASE-NPO-10302] c 10 N71-26142
Phase modulator Patent
[NASA-CASE-MSC-13201-1] c 07 N71-28429
Two carrier communication system with single transmitter
[NASA-CASE-NPO-11548] c 07 N73-26118
Decision feedback loop for tracking a polyphase modulated carrier
[NASA-CASE-NPO-13103-1] c 32 N74-20811
Modulator for tone and binary signals --- phase of modulation of tone and binary signals on carrier waves in communication systems
[NASA-CASE-GSC-11743-1] c 32 N75-24981
Phase modulating with odd and even finite power series of a modulating signal
[NASA-CASE-LAR-11607-1] c 32 N77-14292
Swept group delay measurement
[NASA-CASE-NPO-13909-1] c 33 N78-25319
Quadrature phase demodulation
[NASA-CASE-GSC-12137-1] c 33 N78-32338
Closed Loop solar array-ion thruster system with power control circuitry
[NASA-CASE-LEW-12780-1] c 20 N79-20179
Receiving and tracking phase modulated signals
[NASA-CASE-MSC-16170-2] c 32 N81-16338
Baseband signal combiner for large aperture antenna array
[NASA-CASE-NPO-14641-1] c 32 N81-29308
Doppler radar having phase modulation of both transmitted and reflected return signals --- ranging/finding
[NASA-CASE-MSC-18675-1] c 32 N81-29312
Correlation spectrometer having high resolution and multiplexing capability
[NASA-CASE-NPO-15558-1] c 35 N82-26636
Integrating IR detector imaging systems
[NASA-CASE-NPO-15805-1] c 74 N83-20757

PHASE SHIFT

Bi-polar phase detector and corrector for split phase PCM data signals Patent
[NASA-CASE-XGS-01590] c 07 N71-12392
Electromagnetic polarization systems and methods Patent
[NASA-CASE-GSC-10021-1] c 09 N71-24595
Method and apparatus for frequency-division multiplex communications by digital phase shift of carrier
[NASA-CASE-NPO-11338] c 08 N72-25208
Time domain phase measuring apparatus
[NASA-CASE-GSC-12228-1] c 33 N79-10338
Phase-angle controller for Stirling engines
[NASA-CASE-NPO-14388-1] c 37 N81-17432
Control system for an induction motor with energy recovery
[NASA-CASE-MFS-25477-1] c 33 N82-22437

PHASE SHIFT CIRCUITS

Gyrator type circuit Patent
[NASA-CASE-XAC-10608-1] c 09 N71-12517
Phase shift circuit apparatus
[NASA-CASE-ARC-10269-1] c 10 N72-16172

Continuously variable voltage controlled phase shifter
[NASA-CASE-NPO-11129] c 09 N72-33204
Induction motor control system with voltage controlled oscillator circuit
[NASA-CASE-MFS-21465-1] c 10 N73-32145
Low distortion automatic phase control circuit --- voltage controlled phase shifter
[NASA-CASE-MFS-21671-1] c 33 N74-22885
Pseudonoise code tracking loop
[NASA-CASE-MSC-18035-1] c 32 N81-15179
Fiber optic transmission line stabilization apparatus and method
[NASA-CASE-NPO-15036-1] c 74 N82-19029

PHASE SHIFT KEYING

Decision feedback loop for tracking a polyphase modulated carrier
[NASA-CASE-NPO-13103-1] c 32 N74-20811
Differential phase shift keyed communication system
[NASA-CASE-MSC-14065-1] c 32 N74-26654
Differential phase shift keyed signal resolver
[NASA-CASE-MSC-14066-1] c 33 N74-27705
Unbalanced quadrature demodulator
[NASA-CASE-MSC-14840-1] c 32 N77-24331
Method and apparatus for quadrature-shift-key and linear phase modulation
[NASA-CASE-NPO-14444-1] c 33 N81-15192
Digital demodulator
[NASA-CASE-LAR-12659-1] c 33 N82-26570

PHASE SWITCHING INTERFEROMETERS

Radar antenna system for acquisition and tracking Patent
[NASA-CASE-XMS-09610] c 07 N71-24625

PHASE TRANSFORMATIONS

Slug flow magnetohydrodynamic generator
[NASA-CASE-XLE-02083] c 03 N69-39983
Fluid dispensing apparatus and method Patent
[NASA-CASE-XLE-01182] c 27 N71-15635

PHASE VELOCITY

Ultrasonic calibration device --- for producing changes in acoustic attenuation and phase velocity
[NASA-CASE-LAR-11435-1] c 35 N76-15432

PHASED ARRAYS

Phase control circuits using frequency multiplications for phased array antennas
[NASA-CASE-ERC-10285] c 10 N73-16206
Phased array antenna control
[NASA-CASE-MSC-14939-1] c 32 N79-11264
Phase conjugation method and apparatus for an active retrodirective antenna array
[NASA-CASE-NPO-13641-1] c 32 N79-24210
Coaxial phased array antenna
[NASA-CASE-MSC-16800-1] c 32 N81-14187
Multiple-beam, high-power, precision pointing antenna system
[NASA-CASE-NPO-15406-1] c 33 N82-12345
Spiral slotted phased antenna array
[NASA-CASE-MSC-18532-1] c 32 N82-27558
Method and apparatus for self-calibration and phasing of array antenna
[NASA-CASE-NPO-15920-1] c 32 N82-33593
Electronic con scanning spacecraft communication system
[NASA-CASE-NPO-15899-1] c 32 N83-19970

PHENANTHRENE

Supercritical solvent coal extraction
[NASA-CASE-NPO-15210-1] c 28 N82-26481

PHENOLIC RESINS

Bonding method in the manufacture of continuous regression rate sensor devices
[NASA-CASE-LAR-10337-1] c 24 N75-30260

PHENOLS

Novel polymers and method of preparing same
[NASA-CASE-NPO-10998-1] c 06 N73-32029
Method and device for the detection of phenol and related compounds --- in an electrochemical cell
[NASA-CASE-LEW-12513-1] c 25 N79-22235

PHENYLS

The 1,1,1-triaryl-2,2,2-trifluoroethanes and process for their synthesis
[NASA-CASE-ARC-11097-1] c 25 N82-24312

PHONOCARDIOGRAPHY

Phonocardiogram simulator Patent
[NASA-CASE-XKS-10804] c 05 N71-24606
Vibrophonocardiograph Patent
[NASA-CASE-XFR-07172] c 05 N71-27234

PHOSPHATES

Thermal control coating Patent
[NASA-CASE-XLA-01995] c 18 N71-23047
Chalcogenophosphate photoelectrodes
[NASA-CASE-LAR-12958-1] c 44 N83-18025

PHOSPHAZENE

Process for the preparation of polycarbonylphosphazenes --- thermal insulation
[NASA-CASE-ARC-11176-2] c 27 N81-27271

Carbonylphosphazenes and their polymers --- thermal insulation
[NASA-CASE-ARC-11176-1] c 27 N82-18389
Carbonylmethylene-substituted phosphazenes, polymers thereof and process for the production thereof
[NASA-CASE-ARC-11370-1] c 27 N83-25884

PHOSPHINES

Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MSC-14903-1] c 27 N78-32256
Compound oxidized styrylphosphine --- flame resistant vinyl polymers
[NASA-CASE-MSC-14903-2] c 27 N80-10358
Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MSC-14903-3] c 27 N80-24438
Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-1] c 27 N83-31854

PHOSPHONITRILES

Metal containing polymers from cyclic tetrameric phenylphosphonitriamides Patent
[NASA-CASE-HQN-10364] c 06 N71-27363

PHOSPHORS

High contrast cathode ray tube
[NASA-CASE-ERC-10468] c 09 N72-20206
Thin wire pointing method
[NASA-CASE-NPO-15789-1] c 31 N83-19947

PHOSPHORUS

Elastomer-modified phosphorus-containing imide resins
[NASA-CASE-ARC-11400-1] c 27 N83-14276

PHOSPHORUS COMPOUNDS

Phosphorus-containing bisimide resins
[NASA-CASE-ARC-11321-1] c 27 N81-27272

PHOSPHORUS POLYMERS

Process for the preparation of polycarbonylphosphazenes --- thermal insulation
[NASA-CASE-ARC-11176-2] c 27 N81-27271
Carbonylphosphazenes and their polymers --- thermal insulation
[NASA-CASE-ARC-11176-1] c 27 N82-18389

PHOTOABSORPTION

Photomechanical transducer
[NASA-CASE-NPO-14363-1] c 39 N81-25400

PHOTOCATHODES

Photoelectric energy spectrometer Patent
[NASA-CASE-XNP-04161] c 14 N71-15599
III-V photocathode with nitrogen doping for increased quantum efficiency
[NASA-CASE-NPO-12134-1] c 33 N76-31409

PHOTOCHEMICAL REACTIONS

Apparatus for photon excited catalysis
[NASA-CASE-NPO-13566-1] c 25 N77-32255
Apparatus for extraction and separation of a preferentially photo-dissociated molecular isotope into positive and negative ions by means of an electric field
[NASA-CASE-LEW-12465-1] c 25 N78-25148
Violet-violet process for producing flame resistant polyamides and products produced thereby --- protective clothing for high oxygen environments
[NASA-CASE-MSC-16074-1] c 27 N80-26446

PHOTOCONDUCTIVE CELLS

Two-dimensional radiant energy array computers and computing devices
[NASA-CASE-GSC-11839-1] c 60 N77-14751
Plural output optometric sample cell and analysis system
[NASA-CASE-NPO-10233-1] c 74 N78-33913
Photocapacitive image converter
[NASA-CASE-LAR-12513-1] c 44 N82-32841

PHOTOCONDUCTIVITY

Photoetching of metal-oxide layers
[NASA-CASE-ERC-10108] c 06 N72-21094

PHOTOCONDUCTORS

Electronic divider and multiplier using photocells Patent
[NASA-CASE-XFR-05637] c 09 N71-19480

PHOTODIODES

Shock isolator for operating a diode laser on a closed-cycle refrigerator
[NASA-CASE-GSC-12297-1] c 37 N79-28549

PHOTODISSOCIATION

Apparatus for extraction and separation of a preferentially photo-dissociated molecular isotope into positive and negative ions by means of an electric field
[NASA-CASE-LEW-12465-1] c 25 N78-25148

PHOTOELECTRIC CELLS

Sun tracker with rotatable plane-parallel plate and two photocells Patent
[NASA-CASE-XGS-01159] c 21 N71-10678
Method of and device for determining the characteristics and flux distribution of micrometeorites --- scanning puncture holes in sheet material with photoelectric cell
[NASA-CASE-NPO-12127-1] c 91 N74-13130
Noncontacting method for measuring angular deflection
[NASA-CASE-LAR-12178-1] c 74 N80-21138

Photoelectric detection system — manufacturing automation
[NASA-CASE-MFS-23776-1] c 33 N82-28545
Integrated opto-electronic laser beam deflector position detector
[NASA-CASE-NPO-15943-1] c 36 N83-20092

PHOTOELECTRIC EFFECT
Photoelectric energy spectrometer Patent
[NASA-CASE-XNP-04161] c 14 N71-15599

PHOTOELECTRIC EMISSION
High resolution threshold photoelectron spectroscopy by electron attachment
[NASA-CASE-NPO-14078-1] c 72 N80-14877

PHOTOELECTRIC GENERATORS
Solar energy converter using surface plasma waves
[NASA-CASE-LEW-13827-1] c 44 N83-26258

PHOTOELECTRIC MATERIALS
Light radiation direction indicator with a baffle of two parallel grds
[NASA-CASE-XNP-03930] c 14 N69-24331
Use of thin film light detector
[NASA-CASE-NPO-11432-2] c 35 N74-15090

PHOTOELECTROCHEMICAL DEVICES
Method for determining the point of zero zeta potential of semiconductor materials
[NASA-CASE-LAR-12893-1] c 33 N82-26573
Photoelectrochemical electrodes
[NASA-CASE-NPO-15458-1] c 76 N83-25587

PHOTOELECTRON SPECTROSCOPY
Photoelectron spectrometer with means for stabilizing sample surface potential
[NASA-CASE-NPO-13772-1] c 35 N78-10429
High resolution threshold photoelectron spectroscopy by electron attachment
[NASA-CASE-NPO-14078-1] c 72 N80-14877
Low intensity X-ray and gamma-ray spectrometer
[NASA-CASE-GSC-12587-1] c 35 N82-32659

PHOTOGRAPHIC EMULSIONS
Method for applying photographic resists to otherwise incompatible substrates
[NASA-CASE-MSC-18107-1] c 27 N81-25209
Method for retarding dye fading during archival storage of developed color photographic film — inert atmosphere
[NASA-CASE-MFS-23250-1] c 35 N82-11432

PHOTOGRAPHIC EQUIPMENT
Apparatus and method for protecting a photographic device Patent
[NASA-CASE-NPO-10174] c 14 N71-18465
Method of treating the surface of a glass member
[NASA-CASE-GSC-12110-1] c 27 N77-32308
System for forming a quadrified image comprising angularly related fields of view of a three dimensional object
[NASA-CASE-NPO-14219-1] c 74 N81-17886

PHOTOGRAPHIC FILM
Film feed camera having a detent means Patent
[NASA-CASE-LAR-10686] c 14 N71-28935
Exposure interlock for oscilloscope cameras
[NASA-CASE-LAR-10319-1] c 14 N73-32322
Optical noise suppression device and method — laser light exposing film
[NASA-CASE-MSC-12640-1] c 74 N76-31998
Selective image area control of X-ray film exposure density
[NASA-CASE-NPO-13808-1] c 35 N78-15461
Method for retarding dye fading during archival storage of developed color photographic film — inert atmosphere
[NASA-CASE-MFS-23250-1] c 35 N82-11432

PHOTOGRAPHIC MEASUREMENT
Means and method of measuring viscoelastic strain Patent
[NASA-CASE-XNP-01153] c 32 N71-17645
Impact measuring technique
[NASA-CASE-LAR-10913] c 14 N72-16282
TV fatigue crack monitoring system
[NASA-CASE-LAR-11490-1] c 39 N78-16387

PHOTOGRAPHIC PROCESSING
Method and apparatus for producing an image from a transparent object
[NASA-CASE-GSC-11989-1] c 74 N77-28932
Method of obtaining intensified image from developed photographic films and plates
[NASA-CASE-MFS-23461-1] c 35 N79-10389

PHOTOGRAPHIC PROCESSING EQUIPMENT
Drying apparatus for photographic sheet material
[NASA-CASE-GSC-11074-1] c 14 N73-28489

PHOTOGRAPHIC RECORDING
Method of obtaining permanent record of surface flow phenomena Patent
[NASA-CASE-XLA-01353] c 14 N70-41366
Focused image holography with extended sources Patent
[NASA-CASE-ERC-10019] c 16 N71-15551

Recording and reconstructing focused image holograms Patent
[NASA-CASE-ERC-10017] c 16 N71-15567
Method and means for recording and reconstructing holograms without use of a reference beam Patent
[NASA-CASE-ERC-10020] c 16 N71-26154
Multiple image storing system for high speed projectile holography
[NASA-CASE-MFS-20596] c 14 N72-17324
Phototropic composition of matter
[NASA-CASE-XGS-03736] c 14 N72-22443
Method for determining thermo-physical properties of specimens — photographic recording of changes in thin film phase-change temperature indicating material in wind tunnel
[NASA-CASE-LAR-11053-1] c 25 N74-18551

PHOTOGRAPHY
System for forming a quadrified image comprising angularly related fields of view of a three dimensional object
[NASA-CASE-NPO-14219-1] c 74 N81-17886
X-ray determination of parts alignment
[NASA-CASE-MSC-20418-1] c 37 N83-17882

PHOTOIONIZATION
A multichannel photoionization chamber for absorption analysis Patent
[NASA-CASE-ERC-10044-1] c 14 N71-27090

PHOTOLYSIS
Solar photolysis of water
[NASA-CASE-NPO-13675-1] c 44 N77-32580
Solar photolysis of water
[NASA-CASE-NPO-14126-1] c 44 N79-11470

PHOTOMAPPING
Window defect planar mapping technique
[NASA-CASE-MSC-19442-1] c 74 N77-10899

PHOTOMASKS
Method for applying photographic resists to otherwise incompatible substrates
[NASA-CASE-MSC-18107-1] c 27 N81-25209

PHOTOMECHANICAL EFFECT
Photomechanical transducer
[NASA-CASE-NPO-14363-1] c 39 N81-25400

PHOTOMETERS
Interferometer direction sensor Patent
[NASA-CASE-NPO-10320] c 14 N71-17655
Method and device for determining battery state of charge Patent
[NASA-CASE-NPO-10194] c 03 N71-20407
Light position locating system Patent
[NASA-CASE-XNP-01059] c 23 N71-21821
Fluid flow meter with comparator reference means Patent
[NASA-CASE-XGS-01331] c 14 N71-22996
Two color horizon sensor
[NASA-CASE-ERC-10174] c 14 N72-25409
Infrared detectors
[NASA-CASE-LAR-10728-1] c 14 N73-12445
Chromato-fluorographic drug detector — device for detecting and recording fluorescent properties of materials
[NASA-CASE-ARC-10633-1] c 25 N74-26947
The 2 deg/90 deg laboratory scattering photometer — particulate refractivity in hydrosols
[NASA-CASE-GSC-12088-1] c 74 N78-13874
Magnetooptic detection system with noise cancellation
[NASA-CASE-NPO-11954-1] c 35 N78-29421

PHOTOMICROGRAPHY
Stereo photomicrography system
[NASA-CASE-LAR-10176-1] c 14 N72-20380
Hand-held photomicroscope
[NASA-CASE-ARC-10468-1] c 14 N73-33361

PHOTOMULTIPLIER TUBES
Canopus detector including automotive gain control of photomultiplier tube Patent
[NASA-CASE-XNP-03914] c 21 N71-10771
Electronic divider and multiplier using photocells Patent
[NASA-CASE-XFR-05637] c 09 N71-19480
Coincidence apparatus for detecting particles
[NASA-CASE-XLA-07813] c 14 N72-17328
Method and apparatus for mapping the sensitivity of the face of a photodetector specifically a PMT
[NASA-CASE-LAR-10320-1] c 09 N72-23172
Light direction sensor
[NASA-CASE-NPO-11201] c 14 N72-27409
Photomultiplier circuit including means for rapidly reducing the sensitivity thereof — and protection from radiation damage
[NASA-CASE-ARC-10593-1] c 33 N74-27682

PHOTON BEAMS
Apparatus for photon excited catalysis
[NASA-CASE-NPO-13566-1] c 25 N77-32255

PHOTON-ELECTRON INTERACTION
Means and method for calibrating a photon detector utilizing electron-photon coincidence
[NASA-CASE-NPO-15644-1] c 72 N82-24953

PHOTONS
Solar cell collector
[NASA-CASE-LEW-12552-1] c 44 N78-25527
Means and method for calibrating a photon detector utilizing electron-photon coincidence
[NASA-CASE-NPO-15644-1] c 72 N82-24953

PHOTOSENSITIVITY
Photosensitive device to detect bearing deviation Patent
[NASA-CASE-XNP-00438] c 21 N70-35089
Solar optical telescope dome control system Patent
[NASA-CASE-MSC-10966] c 14 N71-19568
Method and apparatus for mapping the sensitivity of the face of a photodetector specifically a PMT
[NASA-CASE-LAR-10320-1] c 09 N72-23172
Holography utilizing surface plasmon resonances
[NASA-CASE-MFS-22040-1] c 35 N74-26946
Apparatus for calibrating an image dissector tube
[NASA-CASE-MFS-22208-1] c 33 N75-26244

PHOTOTRANSISTORS
Phototransistor imaging system
[NASA-CASE-MFS-20809] c 23 N73-13660
Phototransistor
[NASA-CASE-MFS-20407] c 09 N73-19235

PHOTOTROPISM
Phototropic composition of matter
[NASA-CASE-XGS-03736] c 14 N72-22443

PHOTOVISCOELASTICITY
Means and method of measuring viscoelastic strain Patent
[NASA-CASE-XNP-01153] c 32 N71-17645

PHOTOVOLTAIC CELLS
Plurality of photosensitive cells on a pyramidal base for planetary trackers
[NASA-CASE-XNP-04180] c 07 N69-39736
Light sensitive digital aspect sensor Patent
[NASA-CASE-XGS-00359] c 14 N70-34158
Method of using photovoltaic cell using poly-N-vinylcarbazole complex Patent
[NASA-CASE-NPO-10373] c 03 N71-18698
Use of thin film light detector
[NASA-CASE-NPO-11432-2] c 35 N74-15090
Photovoltaic cell array
[NASA-CASE-MFS-22458-1] c 44 N77-10635
Solar cells having integral collector grds
[NASA-CASE-LEW-12819-1] c 44 N79-11467
Double-sided solar cell package
[NASA-CASE-NPO-14199-1] c 44 N78-25482
Method of construction of a multi-cell solar array
[NASA-CASE-MFS-23540-1] c 44 N79-26475
Solar cell with improved N-region contact and method of forming the same
[NASA-CASE-NPO-14205-1] c 44 N79-31752
Method of fabricating a photovoltaic module of a substantially transparent construction
[NASA-CASE-NPO-14303-1] c 44 N80-18550
Copper doped polycrystalline silicon solar cell
[NASA-CASE-NPO-14670-1] c 44 N81-19558
Efficiency of silicon solar cells containing chromium
[NASA-CASE-NPO-15179-1] c 44 N82-26777
Process and apparatus for growing a crystal ribbon — for use in photovoltaic cells
[NASA-CASE-NPO-15629-1] c 44 N82-26779
Method of making a high voltage V-groove solar cell
[NASA-CASE-LEW-13401-1] c 44 N82-29709
High voltage planar multijunction solar cell
[NASA-CASE-LEW-13400-1] c 44 N82-31764
Heat transparent high intensity high efficiency solar cell
[NASA-CASE-LEW-12892-1] c 44 N83-14692
Miniature spectrally selective dosimeter
[NASA-CASE-LAR-12469-1] c 35 N83-21311
Method of making macrocrystalline or single crystal semiconductor material and products produced thereby — epitaxial substrates using low melting materials for photovoltaic cells
[NASA-CASE-NPO-15904-1] c 76 N83-21993
GaAs Schottky barrier photo-responsive device and method of fabrication — photovoltaic cells
[NASA-CASE-GSC-12816-1] c 76 N83-30268
Cloud cover sensor
[NASA-CASE-NPO-14936-1] c 47 N83-32232

PHOTOVOLTAIC EFFECT
System for improving signal-to-noise ratio of a communication signal Patent Application
[NASA-CASE-MSC-12259-1] c 07 N70-12616
Use of thin film light detector
[NASA-CASE-NPO-11432-2] c 35 N74-15090

PHTHALOCYANIN
Metal phthalocyanine polymers
[NASA-CASE-ARC-11405-1] c 27 N83-12239

PHYSICAL EXERCISE

- Phthalocyanine polymers
[NASA-CASE-ARC-11413-1] c 27 N83-14275
- PHYSICAL EXERCISE**
- Restraint system for ergometer
[NASA-CASE-MFS-21046-1] c 14 N73-27377
- Tilting table for ergometer and for other biomedical devices
[NASA-CASE-MFS-21010-1] c 05 N73-30078
- Manual actuator — for spacecraft exercising machines
[NASA-CASE-MFS-21481-1] c 37 N74-18127
- Therapeutic hand exerciser
[NASA-CASE-LAR-11667-1] c 52 N76-19785
- PHYSICAL PROPERTIES**
- Polyurethanes of fluorine containing polycarbonates
[NASA-CASE-MFS-10512] c 06 N73-30099
- System for monitoring physical characteristics of fluids
[NASA-CASE-NPO-15400-1] c 34 N83-31993
- PHYSIOLOGICAL EFFECTS**
- Restraint torso for a pressurized suit
[NASA-CASE-MSC-12397-1] c 05 N72-25119
- PHYSIOLOGICAL TESTS**
- Vibrophonocardiograph Patent
[NASA-CASE-XFR-07172] c 05 N71-27234
- Medical subject monitoring systems — multichannel monitoring systems
[NASA-CASE-MSC-14180-1] c 52 N76-14757
- PHYSIOLOGY**
- Phonocardiograph transducer Patent
[NASA-CASE-XMS-05365] c 14 N71-22993
- Method of detecting and counting bacteria
[NASA-CASE-GSC-11917-2] c 51 N76-29891
- PIERCING**
- Pressurized cell micrometeoroid detector Patent
[NASA-CASE-XLA-00936] c 14 N71-14996
- PIEZOELECTRIC CRYSTALS**
- Miniature stress transducer Patent
[NASA-CASE-XNP-02983] c 14 N71-21091
- Ultra-stable oscillator with complementary transistors
[NASA-CASE-GSC-11513-1] c 33 N74-20862
- CDS solid state phase insensitive ultrasonic transducer — annealing dadium sulfide crystals
[NASA-CASE-LAR-12304-1] c 35 N80-20559
- PIEZOELECTRIC TRANSDUCERS**
- Force transducer Patent
[NASA-CASE-XAC-01101] c 14 N70-41957
- Microbalance including crystal oscillators for measuring contaminants in a gas system Patent
[NASA-CASE-NPO-10144] c 14 N71-17701
- Phonocardiograph transducer Patent
[NASA-CASE-XMS-05365] c 14 N71-22993
- Semiconductor transducer device
[NASA-CASE-ERC-10087-2] c 14 N72-31446
- Length mode piezoelectric ultrasonic transducer for inspection of solid objects
[NASA-CASE-MSC-19672-1] c 38 N79-14398
- Piezoelectric deicing device
[NASA-CASE-LEW-13773-1] c 05 N83-29197
- PIEZOELECTRICITY**
- Missile stage separation indicator and stage initiator Patent
[NASA-CASE-XLA-00791] c 03 N70-39930
- Piezoelectric pump Patent
[NASA-CASE-XNP-05429] c 26 N71-21824
- Pressure sensitive transducers Patent
[NASA-CASE-ERC-10087] c 14 N71-27334
- Piezoelectric composite materials
[NASA-CASE-LEW-12582-1] c 76 N83-34796
- PIEZORESISTIVE TRANSDUCERS**
- Miniature stress transducer Patent
[NASA-CASE-XNP-02983] c 14 N71-21091
- Transverse piezoresistance and pinch effect electromechanical transducers Patent
[NASA-CASE-ERC-10088] c 26 N71-25490
- PIGMENTS**
- Stabilized zinc oxide coating compositions Patent
[NASA-CASE-XMF-07770-2] c 18 N71-26772
- PILOT TRAINING**
- Controlled visibility device for an aircraft Patent
[NASA-CASE-XFR-04147] c 11 N71-10748
- Kinesthetic control simulator — for pilot training
[NASA-CASE-LAR-10276-1] c 09 N75-15662
- PILOTS (PERSONNEL)**
- System for indicating direction of intruder aircraft
[NASA-CASE-ERC-10226-1] c 14 N73-16483
- PINCH EFFECT**
- Toggle mechanism for pinching metal tubes
[NASA-CASE-GSC-12274-1] c 37 N79-28550
- PINS**
- Fatigue-resistant shear pin
[NASA-CASE-XLA-09122] c 15 N69-27505
- Turbo-machine blade vibration damper Patent
[NASA-CASE-XLE-00155] c 28 N71-29154
- Safety-type locking pin
[NASA-CASE-MFS-18495] c 15 N72-11385

PISTONS

- Automatic pump Patent
[NASA-CASE-XNP-04731] c 15 N71-24042
- Firefly pump-metering system
[NASA-CASE-GSC-10218-1] c 15 N72-21465
- Collapsible pistons
[NASA-CASE-MSC-13789-1] c 11 N73-32152
- Airflow control system for supersonic inlets
[NASA-CASE-LEW-11188-1] c 02 N74-20646
- Centrifugal-reciprocating compressor
[NASA-CASE-NPO-14597-1] c 37 N79-23431
- Free-piston regenerative hot gas hydraulic engine
[NASA-CASE-LEW-12274-1] c 37 N80-31790
- Power control for hot gas engines
[NASA-CASE-NPO-14220-1] c 37 N81-14318
- Multiple plate hydrostatic viscous damper
[NASA-CASE-LEW-12445-1] c 37 N81-22360
- Stirling cycle cryogenic cooler — magnetically suspended pistons
[NASA-CASE-GSC-12697-1] c 31 N82-11312
- Gas-to-hydraulic power converter
[NASA-CASE-MSC-18794-1] c 44 N83-14693
- Magnetically actuated compressor
[NASA-CASE-GSC-12799-1] c 37 N83-20153
- Centrifugal-reciprocating compressor
[NASA-CASE-NPO-14597-2] c 37 N83-29708
- PITCH (INCLINATION)**
- Reverse pitch fan with divided splitter
[NASA-CASE-LEW-12760-1] c 07 N77-17059
- Velocity vector control system augmented with direct lift control
[NASA-CASE-LAR-12268-1] c 08 N81-24106
- Pitch attitude stabilization system utilizing engine pressure ratio feedback signals
[NASA-CASE-LAR-12562-1] c 08 N81-26152
- PIVOTS**
- Tension measurement device Patent
[NASA-CASE-XMS-04545] c 15 N71-22878
- Unidirectional flexural pivot
[NASA-CASE-GSC-12622-1] c 37 N81-22359
- Thumb actuated two axis controller
[NASA-CASE-ARC-11372-1] c 08 N83-12098
- PLANAR STRUCTURES**
- Window defect planar mapping technique
[NASA-CASE-MSC-19442-1] c 74 N77-10899
- Method and apparatus for preparing multiconductor cable with flat conductors
[NASA-CASE-MFS-10946-1] c 31 N79-21226
- High voltage planar multijunction solar cell
[NASA-CASE-LEW-13400-1] c 44 N82-31764
- PLANE WAVES**
- Multiple reflection conical microwave antenna
[NASA-CASE-NPO-11661] c 07 N73-14130
- PLANETARY ATMOSPHERES**
- Method of planetary atmospheric investigation using a split-trajectory dual flyby mode Patent
[NASA-CASE-XAC-08494] c 30 N71-15990
- Flow field simulation Patent
[NASA-CASE-LAR-11138] c 12 N71-20436
- Ablation sensor Patent
[NASA-CASE-XLA-01791] c 14 N71-22991
- PLANETARY GRAVITATION**
- Impact simulator Patent
[NASA-CASE-XLA-00493] c 11 N70-34786
- Means for visually indicating flight paths of vehicles between the Earth, Venus, and Mercury Patent
[NASA-CASE-NXP-00708] c 14 N70-35394
- PLANETARY LANDING**
- Parachute glider Patent
[NASA-CASE-XLA-00898] c 02 N70-36804
- Omnidirectional multiple impact landing system Patent
[NASA-CASE-XLA-09881] c 31 N71-16085
- PLANETARY ORBITS**
- Flexible foam erectable space structures Patent
[NASA-CASE-XLA-00686] c 31 N70-34135
- Erectable modular space station Patent
[NASA-CASE-XLA-00678] c 31 N70-34296
- PLANETARY RADIATION**
- Attitude sensor for space vehicles Patent
[NASA-CASE-XLA-00793] c 21 N71-22880
- PLANETARY SURFACES**
- Method and apparatus for mapping planets
[NASA-CASE-NPO-11001] c 07 N72-21118
- PLANT ROOTS**
- Method for treating wastewater using microorganisms and vascular aquatic plants
[NASA-CASE-NSTL-10-1] c 25 N82-25335
- PLANTS (BOTANY)**
- Rotary plant growth accelerating apparatus — weightlessness
[NASA-CASE-ARC-10722-1] c 51 N75-25503
- Molten salt pyrolysis of latex — synthetic hydrocarbon fuel production using the Guayule shrub
[NASA-CASE-NPO-14315-1] c 27 N81-17261
- Enhancement of in vitro guayule propagation
[NASA-CASE-NPO-15213-1] c 51 N83-17045

SUBJECT INDEX

PLASMA ACCELERATION

- Apparatus for increasing ion engine beam density Patent
[NASA-CASE-XLE-00519] c 28 N70-41576
Coaxial high density, hypervelocity plasma generator and accelerator with ionizable metal disc
[NASA-CASE-MFS-20589] c 25 N72-32688

PLASMA ACCELERATORS

- Plasma accelerator Patent
[NASA-CASE-XLA-00675] c 25 N70-33267
Continuously operating induction plasma accelerator Patent
[NASA-CASE-XLA-01354] c 25 N70-36946
Crossed-field MHD plasma generator/ accelerator Patent
[NASA-CASE-XLA-03374] c 25 N71-15562
Self-repeating plasma generator having communicating annular and linear arc discharge passages Patent
[NASA-CASE-XLA-03103] c 25 N71-21693
Magnetically controlled plasma accelerator Patent
[NASA-CASE-XLA-00327] c 25 N71-29184
Two stage light gas-plasma projectile accelerator
[NASA-CASE-MFS-22287-1] c 75 N76-14931

PLASMA CONTROL

- Superconductive magnetic-field-trapping device
[NASA-CASE-XNP-01185] c 26 N73-28710
Self-energized plasma compressor --- for compressing plasma discharged from coaxial plasma generator
[NASA-CASE-MFS-22145-1] c 75 N75-13625

PLASMA CYLINDERS

- Plasma fluidic hybrid display Patent
[NASA-CASE-ERC-10100] c 09 N71-33519

PLASMA DENSITY

- Focussing system for an ion source having apertured electrodes Patent
[NASA-CASE-XNP-03332] c 09 N71-10618
Measurement of plasma temperature and density using radiation absorption
[NASA-CASE-ARC-10598-1] c 75 N74-30156

PLASMA DIAGNOSTICS

- Probes having ring and primary sensor at same potential to prevent collection of stray wall currents in ionized gases
[NASA-CASE-XLE-00690] c 25 N69-39884
Apparatus for measuring conductivity and velocity of plasma utilizing a plurality of sensing coils positioned in the plasma Patent
[NASA-CASE-XAC-05695] c 25 N71-16073
Measurement of plasma temperature and density using radiation absorption
[NASA-CASE-ARC-10598-1] c 75 N74-30156

PLASMA DYNAMICS

- Apparatus for measuring conductivity and velocity of plasma utilizing a plurality of sensing coils positioned in the plasma Patent
[NASA-CASE-XAC-05695] c 25 N71-16073
Self-energized plasma compressor --- for compressing plasma discharged from coaxial plasma generator
[NASA-CASE-MFS-22145-1] c 75 N75-13625

PLASMA ENGINES

- Plasma device feed system Patent
[NASA-CASE-XLE-02902] c 25 N71-21694

PLASMA GENERATORS

- Method and apparatus for producing a plasma Patent
[NASA-CASE-XLA-00147] c 25 N70-34661
Crossed-field MHD plasma generator/ accelerator Patent
[NASA-CASE-XLA-03374] c 25 N71-15562
Coaxial high density, hypervelocity plasma generator and accelerator with ionizable metal disc
[NASA-CASE-MFS-20589] c 25 N72-32688
Self-energized plasma compressor --- for compressing plasma discharged from coaxial plasma generator
[NASA-CASE-MFS-22145-1] c 75 N75-13625
Self-energized plasma compressor
[NASA-CASE-MFS-22145-2] c 75 N76-17951
Continuous plasma laser --- method and apparatus for producing intense, coherent, monochromatic light from low temperature plasma
[NASA-CASE-XNP-04167-3] c 36 N77-19416
Ring-cusp ion thruster with shell anode
[NASA-CASE-LEW-13881-1] c 72 N83-21903

PLASMA GUNS

- Method of making a diffusion bonded refractory coating Patent
[NASA-CASE-XLE-01604-2] c 15 N71-15610

PLASMA JETS

- Method of preparing water purification membranes --- polymerization of allyl amine as thin films in plasma discharge
[NASA-CASE-ARC-10643-1] c 25 N75-12087
Combination automatic-starting electrical plasma torch and gas shutoff valve --- for satellite attitude control
[NASA-CASE-XLE-10717] c 37 N75-29426

- Plasma cleaning device --- designed for high vacuum environments
[NASA-CASE-MFS-22906-1] c 75 N78-27913

PLASMA LAYERS

- Electrostatic plasma modulator for space vehicle re-entry communication Patent
[NASA-CASE-XLA-01400] c 07 N70-41331
Means for communicating through a layer of ionized gases Patent
[NASA-CASE-XLA-01127] c 07 N70-41372
Reentry communication by material addition Patent
[NASA-CASE-XLA-01552] c 07 N71-11284

PLASMA POTENTIALS

- Method and apparatus for neutralizing potentials induced on spacecraft surfaces
[NASA-CASE-GSC-11963-1] c 33 N77-10429

PLASMA PROBES

- Probes having ring and primary sensor at same potential to prevent collection of stray wall currents in ionized gases
[NASA-CASE-XLE-00690] c 25 N69-39884
Small plasma probe Patent
[NASA-CASE-XLE-02578] c 25 N71-20747

PLASMA PROPULSION

- Method of making dished ion thruster grids
[NASA-CASE-LEW-11694-1] c 20 N75-18310

PLASMA RADIATION

- Means for measuring the electron density gradients of the plasma sheath formed around a space vehicle Patent
[NASA-CASE-XLA-06232] c 25 N71-20563
Continuous plasma light source
[NASA-CASE-XNP-04167-2] c 25 N72-24753

PLASMA SHEATHS

- Apparatus for measuring electric field strength on the surface of a model vehicle Patent
[NASA-CASE-XLE-02038] c 09 N71-16086
Means for measuring the electron density gradients of the plasma sheath formed around a space vehicle Patent
[NASA-CASE-XLA-06232] c 25 N71-20563

PLASMA SPRAYING

- Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent
[NASA-CASE-XLA-00302] c 15 N71-16077
Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-2] c 37 N82-26674
Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-1] c 27 N82-29453
Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-3] c 37 N83-28450

PLASMA TEMPERATURE

- Measurement of plasma temperature and density using radiation absorption
[NASA-CASE-ARC-10598-1] c 75 N74-30156

PLASMA-ELECTROMAGNETIC INTERACTION

- Plasma igniter for internal combustion engine
[NASA-CASE-NPO-13828-1] c 37 N79-11405

PLASMAS (PHYSICS)

- Apparatus for measuring conductivity and velocity of plasma utilizing a plurality of sensing coils positioned in the plasma Patent
[NASA-CASE-XAC-05695] c 25 N71-16073

PLASMONS

- Inelastic tunnel diodes
[NASA-CASE-LEW-13633-1] c 33 N83-25983

PLASTIC COATINGS

- Coating process
[NASA-CASE-XNP-06508] c 18 N69-39895
Apparatus and method for skin packaging articles
[NASA-CASE-MFS-20855] c 15 N73-27405
Silicon nitride coated, plastic covered solar cell
[NASA-CASE-LEW-11496-1] c 44 N77-14580
Oxygen post-treatment of plastic surface coated with plasma polymerized silicon-containing monomers
[NASA-CASE-ARC-10915-2] c 27 N79-18052
Advanced inorganic separators for alkaline batteries
[NASA-CASE-LEW-13171-1] c 44 N82-29708

PLASTIC DEFORMATION

- Light intensity strain analysis
[NASA-CASE-LAR-10765-1] c 32 N73-20740
Mechanical bonding of metal method
[NASA-CASE-LEW-12941-1] c 26 N83-10170

PLASTIC TAPES

- Thermocouple tape
[NASA-CASE-LEW-11072-1] c 14 N73-24472

PLASTICIZERS

- Inorganic-organic separators for alkaline batteries
[NASA-CASE-LEW-12649-1] c 44 N78-25530
Tackifier for addition polyimides containing monoethylphthalate
[NASA-CASE-LAR-12642-1] c 27 N81-29229

- Method of bonding plasticized elastomer to metal and articles produced thereby
[NASA-CASE-MFS-25181-1] c 27 N82-24340
Advanced inorganic separators for alkaline batteries
[NASA-CASE-LEW-13171-1] c 44 N82-29708

PLASTICS

- Method for forming plastic materials Patent
[NASA-CASE-XMS-05516] c 15 N71-17803
Method of making inflatable honeycomb Patent
[NASA-CASE-XLA-03492] c 15 N71-22713
Sealing member and combination thereof and method of producing said sealing member Patent
[NASA-CASE-XMS-01625] c 15 N71-23022
Dielectric molding apparatus Patent
[NASA-CASE-LAR-10121-1] c 15 N71-26721
Radar calibration sphere
[NASA-CASE-XLA-11154] c 07 N72-21117
Molding apparatus --- for thermosetting plastic compositions
[NASA-CASE-LAR-10489-2] c 31 N74-32920
Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-2] c 27 N76-32315

PLATENS

- Compression test apparatus
[NASA-CASE-MSC-18723-1] c 35 N83-21312

PLATES (STRUCTURAL MEMBERS)

- Foil seal
[NASA-CASE-XLE-05130] c 15 N69-21362
Fifth wheel
[NASA-CASE-FRC-10081-1] c 37 N77-14477
Microwave dichroic plate
[NASA-CASE-GSC-12171-1] c 33 N79-28416
Floating nut retention system
[NASA-CASE-MSC-16938-1] c 37 N80-23653

PLATING

- Selective plating of etched circuits without removing previous plating Patent
[NASA-CASE-XGS-03120] c 15 N71-24047
Peen plating
[NASA-CASE-GSC-11163-1] c 15 N73-32360
Scanning nozzle plating system --- for etching or plating metals on substrates without masking
[NASA-CASE-NPO-11758-1] c 31 N74-23065
Method for depositing an oxide coating
[NASA-CASE-LEW-13131-1] c 44 N83-10494

PLATINUM

- Electrolytic cell structure
[NASA-CASE-LAR-11042-1] c 33 N75-27252
Platinum resistance thermometer circuit
[NASA-CASE-MSC-12327-1] c 35 N77-27368

PLATINUM ALLOYS

- Joining lead wires to thin platinum alloy films
[NASA-CASE-LEW-13934-1] c 35 N83-35338

PLAYBACKS

- Method of and means for testing a tape record/playback system
[NASA-CASE-MFS-22671-2] c 35 N77-17426
Thermomagnetic recording and magnetic-optic playback system
[NASA-CASE-NPO-10872-1] c 35 N79-16246

PLENUM CHAMBERS

- Air cushion lift pad Patent
[NASA-CASE-MFS-14685] c 31 N71-15689
Gas filter mounting structure
[NASA-CASE-MSC-12297] c 14 N72-23457
Micro-fluid exchange coupling apparatus
[NASA-CASE-ARC-11114-1] c 51 N81-14605
Sonic levitation apparatus
[NASA-CASE-MFS-25828-1] c 71 N83-26646

PLETHYSMOGRAPHY

- Readout electrode assembly for measuring biological impedance
[NASA-CASE-ARC-10816-1] c 35 N76-24525
Apparatus for determining changes in limb volume
[NASA-CASE-MSC-18759-1] c 52 N83-27578

PLOTTERS

- Automated equipotential plotter
[NASA-CASE-NPO-11134] c 09 N72-21246
Apparatus and method for determining the position of a radiant energy source
[NASA-CASE-GSC-12147-1] c 32 N81-27341

PLOTING

- Instrument for measuring potentials on two dimensional electric field plots Patent
[NASA-CASE-XLA-08493] c 10 N71-19421

PLUG NOZZLES

- Cascade plug nozzle --- for jet noise reduction
[NASA-CASE-LAR-11674-1] c 07 N76-18117
Apparatus and method for jet noise suppression
[NASA-CASE-LAR-11903-2] c 34 N82-20465

PLUGS

- Rocket chamber leak test fixture
[NASA-CASE-XFR-09479] c 14 N69-27503
Fatigue-resistant shear pin
[NASA-CASE-XLA-09122] c 15 N69-27505

PNEUMATIC CONTROL

- Gas regulator Patent
[NASA-CASE-NPO-10298] c 12 N71-17661
Heated porous plug microthruster
[NASA-CASE-GSC-10640-1] c 28 N72-18766
High temperature penetrator assembly with bayonet plug
and ramp-activated lock
[NASA-CASE-MSC-18526-1] c 37 N82-24494

PNEUMATIC CONTROL

- Pneumatic system for controlling and actuating
pneumatic cyclic devices
[NASA-CASE-XMS-04843] c 03 N69-21469
Pneumatic mirror support system
[NASA-CASE-XLA-03271] c 11 N69-24321
Valve actuator Patent
[NASA-CASE-XHO-01208] c 15 N70-35409
Quick release hook tape Patent
[NASA-CASE-XMS-10660-1] c 15 N71-25975
Foot pedal operated fluid type exercising device
[NASA-CASE-MSC-11561-1] c 05 N73-32014
Pneumatic load compensating or controlling system
[NASA-CASE-ARC-10907-1] c 37 N75-32465

PNEUMATIC EQUIPMENT

- High pressure air valve Patent
[NASA-CASE-MSC-11010] c 15 N71-19485
Inflatable support structure Patent
[NASA-CASE-XLA-01731] c 32 N71-21045
Apparatus for purging systems handling toxic, corrosive,
noxious and other fluids Patent
[NASA-CASE-XMS-01905] c 12 N71-21089
Zero gravity apparatus Patent
[NASA-CASE-XMF-06515] c 14 N71-23227
Pneumatic amplifier Patent
[NASA-CASE-MSC-12121-1] c 15 N71-27147
Life raft stabilizer
[NASA-CASE-MSC-12393-1] c 02 N73-26006
Airlock
[NASA-CASE-MFS-20922-1] c 18 N74-22136
Pneumatic load compensating or controlling system
[NASA-CASE-ARC-10907-1] c 37 N75-32465
Improved tire/wheel concept — pneumatic aircraft tire
[NASA-CASE-LAR-11695-2] c 37 N80-18402
Inflatable device for installing strain gage bridges
[NASA-CASE-FRC-11068-1] c 35 N82-24473
Gas-to-hydraulic power converter
[NASA-CASE-MSC-18794-1] c 44 N83-14693
System and method for moving a probe to follow
movements of tissue
[NASA-CASE-NPO-15197-1] c 52 N83-25346
Apparatus for improving the fuel efficiency of a gas
turbine engine
[NASA-CASE-LEW-13142-1] c 07 N83-36029

POINT SOURCES

- Electronic background suppression method and
apparatus for a field scanning sensor
[NASA-CASE-XGS-05211] c 07 N69-39980
X-ray reflection collimator adapted to focus X-radiation
directly on a detector Patent
[NASA-CASE-XHQ-04106] c 14 N70-40240
Apparatus and method for determining the position of
a radiant energy source
[NASA-CASE-GSC-12147-1] c 32 N81-27341

POINTING CONTROL SYSTEMS

- Rotable accurate reflector system for telescopes
Patent
[NASA-CASE-NPO-10468] c 23 N71-33229
All sky pointing attitude control system
[NASA-CASE-ARC-10716-1] c 35 N77-20399
Magnetic suspension and pointing system
[NASA-CASE-LAR-11889-2] c 37 N78-27424
Magnetic suspension and pointing system — on a carrier
vehicle
[NASA-CASE-LAR-11889-1] c 35 N79-26372
Solar tracking system
[NASA-CASE-MFS-23999-1] c 44 N81-24520

POLAR ORBITS

- Cartwheel satellite synchronization system Patent
[NASA-CASE-XGS-05579] c 31 N71-15676

POLARIMETERS

- Polarimeter for transient measurement Patent
[NASA-CASE-XNP-08883] c 23 N71-16101
Interferometer-polarimeter
[NASA-CASE-NPO-11239] c 14 N73-12446

POLARITY

- Positive dc to negative dc converter Patent
[NASA-CASE-XMF-08217] c 03 N71-23239
Peak polarity selector Patent
[NASA-CASE-FRC-10010] c 10 N71-24862
Precision rectifier with FET switching means Patent
[NASA-CASE-ARC-10101-1] c 09 N71-33109

POLARIZATION (WAVES)

- System for interference signal nulling by polarization
adjustment
[NASA-CASE-NPO-13140-1] c 32 N75-24982
Multifrequency broadband polarized horn antenna
[NASA-CASE-NPO-14588-1] c 32 N81-25278

- Faraday rotation measurement method and apparatus
[NASA-CASE-NPO-14839-1] c 35 N82-15381

POLARIZED ELECTROMAGNETIC RADIATION

- Antenna beam-shaping apparatus Patent
[NASA-CASE-XNP-00611] c 09 N70-35219
Parabolic reflector horn feed with spillover correction
Patent
[NASA-CASE-XNP-00540] c 09 N70-35382
Antenna feed system for receiving circular polarization
and transmitting linear polarization
[NASA-CASE-NPO-14362-1] c 32 N80-16261
Coaxial phased array antenna
[NASA-CASE-MSC-16800-1] c 32 N81-14187

POLARIZED LIGHT

- Polarization compensator for optical communications
[NASA-CASE-GSC-11782-1] c 74 N76-30053
Visible and infrared
polarization ratio
spectroelectrometer
[NASA-CASE-LAR-12285-1] c 35 N80-28687
Magnetic heading reference
[NASA-CASE-LAR-12638-1] c 44 N82-24716
Wide dynamic range video camera
[NASA-CASE-MFS-25750-1] c 33 N83-35229

POLARIZED RADIATION

- Microwave limb sounder — measuring trace gases in
the upper atmosphere
[NASA-CASE-NPO-14544-1] c 46 N82-12685

POLARIZERS

- Partial polarizer filter
[NASA-CASE-GSC-12225-1] c 74 N78-14891

POLISHING

- Conforming polisher for aspheric surface of revolution
Patent
[NASA-CASE-XGS-02884] c 15 N71-22705
Method of forming a sharp edge on an optical device
[NASA-CASE-GSC-12348-1] c 74 N80-24149

POLLUTION CONTROL

- System for minimizing internal combustion engine
pollution emission
[NASA-CASE-NPO-13402-1] c 37 N78-18457
Combustion engine — for air pollution control
[NASA-CASE-NPO-13871-1] c 37 N77-31497
Heat pipes to reduce engine exhaust emissions
[NASA-CASE-LEW-12590-1] c 25 N81-19245
Supercritical fuel injection system
[NASA-CASE-LEW-12990-1] c 07 N81-29129

POLLUTION MONITORING

- Fluorescence detector for monitoring atmospheric
pollutants
[NASA-CASE-NPO-12321-1] c 45 N75-27585
Stack plume visualization system
[NASA-CASE-LAR-11875-1] c 45 N76-17656
Indicator providing continuous indication of the presence
of a specific pollutant in air
[NASA-CASE-NPO-13474-1] c 45 N76-21742
Method for detecting pollutants — through chemical
reactions and heat treatment
[NASA-CASE-LAR-11405-1] c 45 N76-31714
Automated syringe sampler — remote sampling of air
and water
[NASA-CASE-LAR-12308-1] c 35 N81-29407

POLYAMIDE RESINS

- Vitro-violet process for producing flame resistant
polyamides and products produced thereby — protective
clothing for high oxygen environments
[NASA-CASE-MSC-16074-1] c 27 N80-26446
Thermoset-thermoplastic aromatic polyamides
[NASA-CASE-LAR-12723-1] c 27 N81-15107
Heat resistant protective hand covering
[NASA-CASE-MSC-20261-1] c 54 N82-32985
Heat resistant protective hand covering
[NASA-CASE-MSC-20261-2] c 54 N82-32986

POLYBENZIMIDAZOLE

- Polymers from cross-linkable
poly-n-arylenebenzimidazoles
[NASA-CASE-ARC-11008-1] c 27 N78-31232

POLYBUTADIENE

- New polymers of perfluorobutadiene and method of
manufacture Patent application
[NASA-CASE-NPO-10863] c 06 N70-11251
Method of polymerizing perfluorobutadiene Patent
application
[NASA-CASE-NPO-10447] c 06 N70-11252
Inhibited solid propellant composition containing
beryllium hydride
[NASA-CASE-NPO-10866-1] c 28 N79-14228

POLYCARBONATES

- Helmet assembly and latch means therefor Patent
[NASA-CASE-XMS-04935] c 05 N71-11190

POLYCRYSTALS

- Fabrication of polycrystalline solar cells on low-cost
substrates
[NASA-CASE-GSC-12022-1] c 44 N76-28635
Process for utilizing low-cost graphite substrates for
polycrystalline solar cells
[NASA-CASE-GSC-12022-2] c 44 N78-24609

- Method for the preparation of inorganic single crystal
and polycrystalline electronic materials
[NASA-CASE-XLE-02545-1] c 76 N79-21910

POLYESTERS

- Novel polycarboxylic prepolymeric materials and
polymers thereof Patent
[NASA-CASE-NPO-10596] c 06 N71-25929
Apparatus for forming drive belts
[NASA-CASE-NPO-13205-1] c 31 N74-32917

POLYETHER RESINS

- Polyurethanes from fluoroalkyl propyleneglycol
polyethers
[NASA-CASE-MFS-10506] c 06 N73-30100
Fluorohydroxy ethers
[NASA-CASE-MFS-10507] c 06 N73-30101
Highly fluorinated polymers
[NASA-CASE-MFS-11492] c 06 N73-30102
Aqueous alkali metal hydroxide insoluble cellulose ether
membrane
[NASA-CASE-XGS-05584-1] c 25 N82-29370

POLYIMIDE RESINS

- Polyimide adhesives
[NASA-CASE-LAR-11397-1] c 27 N75-29263
Polyimide adhesives
[NASA-CASE-LAR-12181-1] c 27 N78-17205
Low density bismaleimide-carbon microballoon
composites — aircraft and submarine compartment
safety
[NASA-CASE-ARC-11040-2] c 24 N78-27184
Mixed diamines for lower melting addition polyimide
preparation and utilization
[NASA-CASE-LAR-12054-1] c 27 N79-33316
Process for preparing high temperature polyimide film
laminates
[NASA-CASE-LAR-12742-1] c 24 N81-12174
Composition and method for making polyimide
resin-reinforced fabric
[NASA-CASE-LEW-12933-1] c 27 N81-19296
Tackifier for addition polyimides containing
monoethylphthalate
[NASA-CASE-LAR-12642-1] c 27 N81-29229
Chemical approach for controlling nadamide cure
temperature and rate
[NASA-CASE-LEW-13770-1] c 27 N83-13258
Elastomer-modified phosphorus-containing imide
resins
[NASA-CASE-ARC-11400-1] c 27 N83-14276
Improved high temperature resistant polyimides
[NASA-CASE-LEW-13884-1] c 27 N83-17715
Low temperature cross linking polyimides
[NASA-CASE-LEW-12876-2] c 27 N83-29392
Chemical approach for controlling nadamide cure
temperature and rate
[NASA-CASE-LEW-13770-2] c 27 N83-30651

POLYIMIDES

- Preparation of polyimides from mixtures of monomeric
diamines and esters of polycarboxylic acids
[NASA-CASE-LEW-11325-1] c 06 N73-27980
Polyimide foam for the thermal insulation and fire
protection
[NASA-CASE-ARC-10464-1] c 27 N74-12812
Reinforced structural plastics
[NASA-CASE-LEW-10199-1] c 27 N74-23125
Polyimides of ether-linked aryl tetracarboxylic
dianhydrides
[NASA-CASE-MFS-22355-1] c 23 N76-15268
Process for preparing thermoplastic aromatic
polyimides
[NASA-CASE-LAR-11828-1] c 27 N78-32261
Ambient cure polyimide foams — thermal resistant
foams
[NASA-CASE-ARC-11170-1] c 27 N79-11215
Catalysts for polyimide foams from aromatic isocyanates
and aromatic dianhydrides — flame retardant foams
[NASA-CASE-ARC-11107-1] c 25 N80-16116
Crystalline polyimides — reinforcing fibers for high
temperature composites and adhesives as well as flame
retardation
[NASA-CASE-LAR-12099-1] c 27 N80-16158
Method for preparing addition type polyimide prepolymers
[NASA-CASE-LAR-12054-2] c 27 N81-14078
Asymmetric polyimide separation membrane and
method
[NASA-CASE-NPO-15431-1] c 25 N81-29178
Aluminum ion-containing polyimide adhesives
[NASA-CASE-LAR-12640-1] c 27 N82-11206
Electrically conductive palladium containing polyimide
films
[NASA-CASE-LAR-12705-1] c 25 N82-26396
Elastomer toughened polyimide adhesives
[NASA-CASE-LAR-12775-1] c 27 N83-28240
Elastomer toughened polyimide adhesives
[NASA-CASE-LAR-12775] c 27 N83-29390
A solvent resistant, thermoplastic aromatic
polyimidesulfone and process for preparing same
[NASA-CASE-LAR-12858-2] c 27 N83-29391

SUBJECT INDEX

- Solvent resistant thermoplastic aromatic
poly(imidesulfone) and process for preparing same
[NASA-CASE-LAR-12858-1] c 27 N83-34041
- POLYISOBUTYLENE**
Method of forming difunctional polyisobutylene
[NASA-CASE-NPO-10893] c 27 N73-22710
- POLYISOPRENES**
Enhancement of in vitro guayule propagation
[NASA-CASE-NPO-15213-1] c 51 N83-17045
- POLYMER CHEMISTRY**
Trifunctional alcohol
[NASA-CASE-NPO-10714] c 06 N69-31244
Synthesis of siloxane-containing epoxy polymers
Patent
[NASA-CASE-MFS-13994-1] c 06 N71-11240
Apparatus for testing polymeric materials Patent
[NASA-CASE-XNP-09699] c 06 N71-24607
Polyimide adhesives
[NASA-CASE-LAR-11397-1] c 27 N75-29263
Trimerization of aromatic nitriles
[NASA-CASE-LEW-12053-1] c 27 N78-15276
Polyimide adhesives
[NASA-CASE-LAR-12181-1] c 27 N78-17205
Infusible silazane polymer and process for producing same — protective coatings
[NASA-CASE-XMF-02526-1] c 27 N79-21190
Fluorine-containing polyformals
[NASA-CASE-XMF-06900-1] c 27 N79-21191
In situ self cross-linking of polyvinyl alcohol battery separators
[NASA-CASE-LEW-12972-1] c 44 N79-25481
Bifunctional monomers having terminal oxime and cyano or amidine groups
[NASA-CASE-ARC-11253-3] c 27 N81-24256
In-situ cross linking of polyvinyl alcohol — application to battery separator films
[NASA-CASE-LEW-13135-2] c 27 N81-24257
Polymeric compositions and their method of manufacture — forming filled polymer systems using cryogenics
[NASA-CASE-NPO-10424-1] c 27 N81-24258
Process for the preparation of polycarbonylphosphazenes — thermal insulation
[NASA-CASE-ARC-11176-2] c 27 N81-27271
Phosphorus-containing bisimide resins
[NASA-CASE-ARC-11321-1] c 27 N81-27272
Preparation of crosslinked 1,2,4-oxadiazole polymer
[NASA-CASE-ARC-11253-2] c 27 N82-24338
Improved process for preparing perfluorotriazine elastomers and precursors thereof
[NASA-CASE-ARC-11402-1] c 27 N82-26462
Preparation of perfluorinated 1,2,4-oxadiazoles
[NASA-CASE-ARC-11267-2] c 23 N82-28353
Ethyne and substituted ethynyl-terminated polysulfones
[NASA-CASE-LAR-12931-1] c 23 N83-17590
Polyphenylene ethers with imide linking groups
[NASA-CASE-LAR-12980-1] c 27 N83-21143
Carboranyl-methylene-substituted phosphazenes, polymers thereof and process for the production thereof
[NASA-CASE-ARC-11370-1] c 27 N83-25884
- POLYMER MATRIX COMPOSITES**
Intumescent-ablator coatings using endothermic fillers
[NASA-CASE-ARC-11043-1] c 24 N78-27180
- POLYMERIC FILMS**
Processing for producing a sterilized instrument
Patent
[NASA-CASE-XNP-09763] c 14 N71-20461
Hydraulic casting of liquid polymers Patent
[NASA-CASE-XNP-07659] c 06 N71-22975
Thermoelectric radiometer utilizing polymer film
[NASA-CASE-ARC-10138-1] c 14 N72-24477
Apparatus and method for skin packaging articles
[NASA-CASE-MFS-20855] c 15 N73-27405
Covered silicon solar cells and method of manufacture — with polymeric films
[NASA-CASE-LEW-11065-2] c 44 N76-14600
Preparation of dielectric coating of variable dielectric constant by plasma polymerization
[NASA-CASE-ARC-10892-2] c 27 N79-14214
Reverse osmosis membrane of high urea rejection properties — water purification
[NASA-CASE-ARC-10980-1] c 27 N80-23452
Surface finishing
[NASA-CASE-MSC-12631-3] c 27 N81-14077
Cross-linked polyvinyl alcohol and method of making same
[NASA-CASE-LEW-13101-2] c 23 N81-29160
Separator for alkaline electric cells and method of making
[NASA-CASE-GSC-10017-1] c 44 N82-24643
Electrically conductive palladium containing polyimide films
[NASA-CASE-LAR-12705-1] c 25 N82-26396
- Texturing polymer surfaces by transfer casting — cardiovascular prostheses
[NASA-CASE-LEW-13120-1] c 27 N82-28440
Method for the preparation of thin-skinned asymmetric reverse osmosis membranes and products thereof
[NASA-CASE-ARC-11359-1] c 27 N82-28444
Phthalocyanine polymers
[NASA-CASE-LAR-11413-1] c 27 N83-14275
Method for making a bonded single mode fiber optic wavelength coupler
[NASA-CASE-NPO-15464-1] c 74 N83-25540
- POLYMERIZATION**
New polymers of perfluorobutadiene and method of manufacture Patent application
[NASA-CASE-NPO-10863] c 06 N70-11251
Method of polymerizing perfluorobutadiene Patent application
[NASA-CASE-NPO-10447] c 06 N70-11252
Process for interfacial polymerization of pyromellitic dianhydride and 1,2,4, 5-tetraamino-benzene Patent
[NASA-CASE-XLA-03104] c 06 N71-11235
Imidazopyrrolone/imide copolymers Patent
[NASA-CASE-XLA-08802] c 06 N71-11238
Direct synthesis of polymeric Schiff bases from two amines and two aldehydes Patent
[NASA-CASE-XMF-08855] c 06 N71-11239
Azine polymers and process for preparing the same Patent
[NASA-CASE-XMF-08856] c 06 N71-11242
Synthesis of polymeric Schiff bases by reaction of acetals and amine compounds Patent
[NASA-CASE-XMF-08852] c 06 N71-11243
Elastomeric silazane polymers and process for preparing the same Patent
[NASA-CASE-XMF-04133] c 06 N71-20717
Reaction of fluorine with polyperfluoropolyenes
[NASA-CASE-NPO-10862] c 06 N72-22107
Silphenylenesiloxane polymers having in-chain perfluoroalkyl groups
[NASA-CASE-MFS-20979] c 06 N72-25151
Polymers of perfluorobutadiene and method of manufacture
[NASA-CASE-NPO-10863-2] c 06 N72-25152
Fluorohydroxy ethers
[NASA-CASE-MFS-10507] c 06 N73-30101
Highly fluorinated polymers
[NASA-CASE-MFS-11492] c 06 N73-30102
Method of preparing water purification membranes — polymerization of allyl amine as thin films in plasma discharge
[NASA-CASE-ARC-10643-1] c 25 N75-12087
Utilization of oxygen difluoride for syntheses of fluoropolymers
[NASA-CASE-NPO-12061-1] c 27 N76-16228
Nuclear alkylated pyridine aldehyde polymers and conductive compositions thereof
[NASA-CASE-NPO-10557] c 27 N78-17214
Polymeric foams from cross-linkable poly-n-arylenebenzimidazoles
[NASA-CASE-ARC-11008-1] c 27 N78-31232
Ambient cure polyimide foams — thermal resistant foams
[NASA-CASE-ARC-11170-1] c 27 N79-11215
Preparation of heterocyclic block copolymer omega-diamidoximes
[NASA-CASE-ARC-11060-1] c 27 N79-22300
Catalytic trimerization of aromatic nitriles and triaryl-s-triazine ring cross-linked high temperature resistant polymers and copolymers made thereby
[NASA-CASE-LEW-12053-2] c 27 N79-28307
Mixed diamines for lower melting addition polyimide preparation and utilization
[NASA-CASE-LAR-12054-1] c 27 N79-33316
Compound oxidized styrylphosphine — flame resistant vinyl polymers
[NASA-CASE-MSC-14903-2] c 27 N80-10358
Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MSC-14903-3] c 27 N80-24438
Perfluoroalkyl polytriazines containing pendent iododifluoromethyl groups
[NASA-CASE-ARC-11241-1] c 25 N81-14016
Viscoelastic cationic polymers containing the urethane linkage
[NASA-CASE-NPO-10830-1] c 27 N81-15104
Process for the preparation of fluorine containing crosslinked elastomeric polytriazine and product so produced
[NASA-CASE-ARC-11248-1] c 27 N81-17259
The 1,2,4-oxadiazole elastomers — heat resistant polymers
[NASA-CASE-ARC-11253-1] c 27 N81-17262
Process for preparation of large-particle-size monodisperse latexes
[NASA-CASE-MFS-25000-1] c 25 N81-19242
Ion-exchange hollow fibers
[NASA-CASE-NPO-13309-1] c 25 N81-19244
- Carboranyl-cyclotriphosphazenes and their polymers — thermal insulation
[NASA-CASE-ARC-11176-1] c 27 N82-18389
Electrically conductive palladium containing polyimide films
[NASA-CASE-LAR-12705-1] c 25 N82-26396
Supercritical solvent coal extraction
[NASA-CASE-NPO-15210-1] c 28 N82-26481
Metal phthalocyanine polymers
[NASA-CASE-ARC-11405-1] c 27 N83-12239
Phthalocyanine polymers
[NASA-CASE-ARC-11413-1] c 27 N83-14275
The 1 - (dialkoxyphosphonyl)methyl -2,4- and -2,6-dinitro- and diamino benzenes and their derivatives
[NASA-CASE-ARC-11425-1] c 23 N83-28076
Solvent resistant thermoplastic aromatic poly(imidesulfone) and process for preparing same
[NASA-CASE-LAR-12858-1] c 27 N83-34041
- POLYMERS**
Preparation of ordered poly /arylenesiloxane/ polymers
[NASA-CASE-XMF-10753] c 06 N71-11237
Aromatic diamine-aromatic dialdehyde high molecular weight Schiff base polymers prepared in a monofunctional Schiff base Patent
[NASA-CASE-XMF-03074] c 06 N71-24740
Resilience testing device Patent
[NASA-CASE-XLA-08254] c 14 N71-26161
Epoxy-aziridine polymer product Patent
[NASA-CASE-NPO-10701] c 06 N71-28620
Solid state thermal control polymer coating Patent
[NASA-CASE-XLA-01745] c 33 N71-28903
Polymeric vehicles as carriers for sulfonic acid salt of nitrosubstituted aromatic amines
[NASA-CASE-ARC-10325] c 06 N72-25147
Hydrazinium nitroformate propellant with saturated polymeric hydrocarbon binder
[NASA-CASE-NPO-12015] c 27 N73-16764
Method of forming difunctional polyisobutylene
[NASA-CASE-NPO-10893] c 27 N73-22710
Novel polymers and method of preparing same
[NASA-CASE-NPO-10998-1] c 06 N73-32029
Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-1] c 27 N74-21156
Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-2] c 27 N76-32315
Oil and fat absorbing polymers
[NASA-CASE-NPO-11609-2] c 27 N77-31308
Method for separating biological cells — suspended in aqueous polymer systems
[NASA-CASE-MFS-23883-1] c 51 N80-16715
Chelate-modified polymers for atmospheric gas chromatography
[NASA-CASE-ARC-11154-1] c 25 N80-23383
Modification of the electrical and optical properties of polymers — ion irradiation to create texture
[NASA-CASE-LEW-13027-1] c 27 N80-24437
Preparation of perfluorinated imidoylamidoximes — for eventual preparation of heat and chemical resistant polymers
[NASA-CASE-ARC-11267-1] c 23 N80-26386
- POLYMETHYL METHACRYLATE**
Durable antistatic coating for polymethylmethacrylate
[NASA-CASE-NPO-13867-1] c 27 N78-14164
Process for producing a well-adhered durable optical coating on an optical plastic substrate — abrasion resistant polymethyl methacrylate lenses
[NASA-CASE-ARC-11039-1] c 74 N78-32854
- POLYPHENYLS**
Cerenkov radiator material and charged particle detection process
[NASA-CASE-GSC-12805-1] c 72 N83-18423
Polyphenylene ethers with imide linking groups
[NASA-CASE-LAR-12980-1] c 27 N83-21143
Polyphenylquinoxalines containing pendant phenylethynyl and ethynyl groups — for thermoplastic resins
[NASA-CASE-LAR-12838-1] c 27 N83-34040
- POLYSACCHARIDES**
Aldehyde-containing urea-absorbing polysaccharides
[NASA-CASE-NPO-13620-1] c 27 N77-30236
- POLYTETRAFLUOROETHYLENE**
Method and apparatus for bonding a plastics sleeve onto a metallic body Patent
[NASA-CASE-XLA-01262] c 15 N71-21404
- POLYURETHANE FOAM**
Flexible foam erectable space structures Patent
[NASA-CASE-XLA-00688] c 31 N70-34135
Modified polyurethane foams for fuel-fire Patent
[NASA-CASE-ARC-10098-1] c 06 N71-24739
Flexible fire retardant foam
[NASA-CASE-ARC-10180-1] c 28 N72-20767
Flexible fire retardant polyisocyanate modified neoprene foam — for thermal protective devices
[NASA-CASE-ARC-10180-1] c 27 N74-12814

Fiber modified polyurethane foam for ballistic protection
[NASA-CASE-ARC-10714-1] c 27 N76-15310
Mixing insert for foam dispensing apparatus
[NASA-CASE-MFS-20607-1] c 37 N76-19436
Heat sealable, flame and abrasion resistant coated fabric
[NASA-CASE-MSC-18382-2] c 27 N82-24344

POLYURETHANE RESINS
Hydroxy terminated perfluoro ethers Patent
[NASA-CASE-NPO-10768] c 06 N71-27254
Polyurethane resins from hydroxy terminated perfluoro ethers
[NASA-CASE-NPO-10768-2] c 06 N72-27144
Highly fluorinated polyurethanes
[NASA-CASE-NPO-10767-2] c 06 N72-27151
Polyurethanes of fluorine containing polycarbonates
[NASA-CASE-MFS-10512] c 06 N73-30099
Polyurethanes from fluoroalkyl propyleneglycol polyethers
[NASA-CASE-MFS-10506] c 06 N73-30100
Fluorine containing polyurethane
[NASA-CASE-MFS-10509] c 06 N73-30103
Highly fluorinated polyurethanes
[NASA-CASE-NPO-10767-1] c 06 N73-33076
Flame retardant spandex type polyurethanes
[NASA-CASE-MSC-14331-2] c 27 N78-17213

POLYVINYL ALCOHOL
In situ self cross-linking of polyvinyl alcohol battery separators
[NASA-CASE-LEW-12972-1] c 44 N79-25481
Method of cross-linking polyvinyl alcohol and other water soluble resins
[NASA-CASE-LEW-13103-1] c 27 N80-32516
In-situ cross linking of polyvinyl alcohol — application to battery separator films
[NASA-CASE-LEW-13135-2] c 27 N81-24257
Polyvinyl alcohol battery separator containing inert filler — alkaline batteries
[NASA-CASE-LEW-13556-1] c 44 N81-27615
Cross-linked polyvinyl alcohol and method of making same
[NASA-CASE-LEW-13101-2] c 23 N81-29160
Alkaline battery containing a separator of a cross-linked copolymer of vinyl alcohol and unsaturated carboxylic acid
[NASA-CASE-LEW-13102-1] c 44 N81-29531
Polyvinyl alcohol cross-linked with two aldehydes
[NASA-CASE-LEW-13504-1] c 25 N83-13188
Polyvinyl alcohol battery separator containing inert filler
[NASA-CASE-LEW-13556-2] c 44 N83-29805

PORCELAIN
Refractory porcelain enamel passive control coating for high temperature alloys
[NASA-CASE-MFS-22324-1] c 27 N75-27160

POROSITY
Process for making sheets with parallel pores of uniform size
[NASA-CASE-GSC-10984-1] c 37 N75-26371

POROUS MATERIALS
Method of producing refractory bodies having controlled porosity Patent
[NASA-CASE-LEW-10393-1] c 17 N71-15468
Multilayer porous ionizer Patent
[NASA-CASE-XNP-04338] c 17 N71-23046
Fluid lubricant system Patent
[NASA-CASE-XNP-03972] c 15 N71-23048
Method and device for detecting voids in low density material Patent
[NASA-CASE-MFS-20044] c 14 N71-28993
Fabrication of controlled-porosity metals Patent
[NASA-CASE-XNP-04339] c 17 N71-29137
Compressible biomedical electrode
[NASA-CASE-MSC-13648] c 05 N72-27103
Porous electrode comprising a bonded stack of pieces of corrugated metal foil
[NASA-CASE-GSC-11368-1] c 09 N73-32108
Method of making porous conductive supports for electrodes — by electroforming and stacking nickel foils
[NASA-CASE-GSC-11367-1] c 44 N74-19692
Fluid valve assembly
[NASA-CASE-MSC-12731-1] c 37 N78-25426
Heat exchanger and method of making — bonding rocket chambers with a porous metal matrix
[NASA-CASE-LEW-12441-1] c 34 N79-13289
Castable high temperature refractory materials
[NASA-CASE-LEW-13080-2] c 27 N82-11210
Composite seal for turbomachinery
[NASA-CASE-LEW-12131-3] c 37 N82-19540
Densification of porous refractory substrates — space shuttle orbiter tiles
[NASA-CASE-MSC-18737-1] c 24 N83-13171
Method of repairing surface damage to porous refractory substrates — space shuttle orbiter tiles
[NASA-CASE-MSC-18736-1] c 24 N83-13172

Advanced inorganic separators for alkaline batteries and method of making the same
[NASA-CASE-LEW-13171-2] c 44 N83-32176

POROUS PLATES
Method of producing porous tungsten ionizers for ion rocket engines Patent
[NASA-CASE-XLE-00455] c 28 N70-38197

PORPHYRINS
Method and apparatus for eliminating luminol interference material
[NASA-CASE-MSC-16260-1] c 51 N80-16714

PORTABLE EQUIPMENT
Split welding chamber Patent
[NASA-CASE-LEW-11531] c 15 N71-14932
Portable superclean air column device Patent
[NASA-CASE-XMF-03212] c 15 N71-22721
Weld preparation machine Patent
[NASA-CASE-XKS-07953] c 15 N71-26134
Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114-2] c 15 N71-26148
Cryogenic cooling system Patent
[NASA-CASE-NPO-10467] c 23 N71-26654
Boring bar drive mechanism Patent
[NASA-CASE-XLA-03661] c 15 N71-33518
One hand backpack harness
[NASA-CASE-LAR-10102-1] c 05 N72-23085
Bacterial contamination monitor
[NASA-CASE-GSC-10879-1] c 14 N72-25413
Self-recording portable soil penetrometer
[NASA-CASE-MFS-20774] c 14 N73-19420
Hand-held photomicroscope
[NASA-CASE-ARC-10468-1] c 14 N73-33361
System for enhancing tool-exchange capabilities of a portable wrench
[NASA-CASE-MFS-22283-1] c 37 N75-33395
Method of peening and portable peening gun
[NASA-CASE-MFS-23047-1] c 37 N76-18454
Portable electrophoresis apparatus using minimum electrolyte
[NASA-CASE-NPO-13274-1] c 25 N79-10163
Portable heatable container
[NASA-CASE-NPO-14237-1] c 44 N80-20808
Portable device for use in starting air-start-units for aircraft and having cable lead testing capability
[NASA-CASE-FRC-10113-1] c 33 N80-26599
Portable appliance security apparatus
[NASA-CASE-GSC-12399-1] c 33 N81-25299
Portable pallet weight apparatus
[NASA-CASE-GSC-12789-1] c 35 N83-13425
Dual-beam skin friction interferometer
[NASA-CASE-ARC-11354-1] c 74 N83-21949
Portable 90 deg proof loading device
[NASA-CASE-MSC-20250-1] c 37 N83-29707
Portable laser remote system for methane gas detection
[NASA-CASE-NPO-15790-1] c 36 N83-33137

PORTABLE LIFE SUPPORT SYSTEMS
Portable breathing system — a breathing apparatus using a rebreathing system of heat exchangers for carbon dioxide removal
[NASA-CASE-MSC-16182-1] c 54 N80-10799

PORTS (OPENINGS)
Evacuation port seal Patent
[NASA-CASE-XMF-03290] c 15 N71-23256
Safety shield for vacuum/pressure chamber viewing port
[NASA-CASE-GSC-12513-1] c 31 N81-19343

POSITION (LOCATION)
Position location system and method Patent
[NASA-CASE-GSC-10087-2] c 21 N71-13958
Position location and data collection system and method Patent
[NASA-CASE-GSC-10083-1] c 30 N71-16090
Emergency escape system Patent
[NASA-CASE-XKS-07814] c 15 N71-27067
Position location system and method
[NASA-CASE-GSC-10087-3] c 07 N72-12080
Location identification system
[NASA-CASE-ERC-10324] c 07 N72-25173
Cosmic dust or other similar outer space particles impact location detector
[NASA-CASE-GSC-11291-1] c 25 N72-33696
Collimator of multiple plates with axially aligned identical random arrays of apertures
[NASA-CASE-MFS-20546-2] c 14 N73-30389
Measuring probe position recorder
[NASA-CASE-LAR-10806-1] c 35 N74-32877
Vehicle locating system utilizing AM broadcasting station cameras
[NASA-CASE-NPO-13217-1] c 32 N75-26194
Impact position detector for outer space particles
[NASA-CASE-GSC-11829-1] c 35 N75-27331
Aircraft-mounted crash-activated transmitter device
[NASA-CASE-MFS-16609-3] c 03 N76-32140

Twin-capacitive shaft angle encoder with analog output signal
[NASA-CASE-ARC-10897-1] c 33 N77-31404
X-ray position detector
[NASA-CASE-NPO-12087-1] c 74 N81-19898
Navigation system and method
[NASA-CASE-GSC-12508-1] c 04 N81-26085
Closed loop electrostatic system
[NASA-CASE-NPO-15553-1] c 33 N83-12335

POSITION INDICATORS
Scanning aspect sensor employing an apertured disc and a commutator
[NASA-CASE-XGS-08266] c 14 N69-27432
Angular measurement system Patent
[NASA-CASE-XMF-00447] c 14 N70-33179
Position sensing device employing misaligned magnetic field generating and detecting apparatus Patent
[NASA-CASE-XGS-07514] c 23 N71-16099
Angular position and velocity sensing apparatus Patent
[NASA-CASE-XGS-05680] c 14 N71-17585
Extended area semiconductor radiation detectors and a novel readout arrangement Patent
[NASA-CASE-GSC-03230] c 14 N71-23401
Doppler compensation by shifting transmitted object frequency within limits
[NASA-CASE-GSC-10087-4] c 07 N73-20174
Meteoroid impact position locator aid for manned space station
[NASA-CASE-LAR-10629-1] c 35 N75-33367
Position determination systems — using orbital antenna scan of celestial bodies
[NASA-CASE-MSC-12593-1] c 17 N76-21250
Solar cell angular position transducer
[NASA-CASE-LAR-11999-1] c 44 N80-18552

POSITIONING
Instrument support with precise lateral adjustment Patent
[NASA-CASE-XMF-00480] c 14 N70-39898
Portable alignment tool Patent
[NASA-CASE-XMF-01452] c 15 N70-41371
Optical alignment system Patent
[NASA-CASE-XNP-02029] c 14 N70-41955
Null device for hand controller Patent
[NASA-CASE-XLA-01808] c 15 N71-20740
Rotating raster generator
[NASA-CASE-FRC-10071-1] c 32 N74-20813
Low noise lead screw positioner
[NASA-CASE-NPO-15617-1] c 35 N82-33681
Method for terminal position determination in Earth terminal-to-satellite burst acquisition and synchronization
[NASA-CASE-LEW-13893-1] c 32 N83-30832

POSITIONING DEVICES (MACHINERY)
Swivel support for gas bearings Patent
[NASA-CASE-XMF-07808] c 15 N71-23812
Caterpillar micro positioner
[NASA-CASE-GSC-10780-1] c 14 N72-16283
Positioning mechanism
[NASA-CASE-NPO-10679] c 15 N72-21462
Test stand system for vacuum chambers
[NASA-CASE-MFS-21362] c 11 N73-20267
Method and apparatus for optically monitoring the angular position of a rotating mirror
[NASA-CASE-GSC-11353-1] c 74 N74-21304
Automatic focus control for facsimile cameras
[NASA-CASE-LAR-11213-1] c 35 N75-15014
Reference apparatus for medical ultrasonic transducer
[NASA-CASE-ARC-10753-1] c 54 N75-27760
Controlled caging and uncaging mechanism
[NASA-CASE-GSC-11063-1] c 37 N77-27400
Workpiece positioning vise
[NASA-CASE-GSC-12762-1] c 37 N82-29604

POSITIVE FEEDBACK
Complementary regenerative switch Patent
[NASA-CASE-XGS-02751] c 09 N71-23015

POTABLE WATER
Recovery of potable water from human wastes in below-G conditions Patent
[NASA-CASE-XLA-03213] c 05 N71-11207
Compact solar still Patent
[NASA-CASE-XMS-04533] c 15 N71-23086
Specialized halogen generator for purification of water Patent
[NASA-CASE-XLA-08913] c 14 N71-28933
Potable water dispenser
[NASA-CASE-MFS-21115-1] c 54 N74-12779
Metering gun for dispensing precisely measured charges of fluid
[NASA-CASE-MFS-21163-1] c 54 N74-17853
Iodine generator for reclaimed water purification
[NASA-CASE-MSC-14632-1] c 54 N78-14784
Degassifying and mixing apparatus for liquids — potable water for spacecraft
[NASA-CASE-MSC-18936-1] c 35 N83-29652

SUBJECT INDEX

POTASSIUM SILICATES

Fire resistant coating composition Patent
[NASA-CASE-GSC-10072] c 18 N71-14014

POTENTIOMETERS

Angle detector
[NASA-CASE-ARC-11036-1] c 35 N78-32395

POTENTIOMETERS (INSTRUMENTS)

Two-axis controller Patent
[NASA-CASE-XFR-04104] c 03 N70-42073

Control device Patent
[NASA-CASE-XAC-10019] c 15 N71-23809

Line following servosystem Patent
[NASA-CASE-XAC-00001] c 15 N71-28952

Indirect microbial detection
[NASA-CASE-LAR-12520-1] c 51 N81-28698

POTTING COMPOUNDS

Method and apparatus for shock protection Patent
[NASA-CASE-XLA-00482] c 15 N70-36409

Flexible, repairable, pottable material for electrical connectors Patent
[NASA-CASE-XGS-05180] c 18 N71-25881

Thermally conductive polymers
[NASA-CASE-GSC-11304-1] c 06 N72-21105

POWDER (PARTICLES)

Powder fed sheared dispersal particle generator
[NASA-CASE-LAR-12785-1] c 34 N82-24448

Method for forming pyrrone molding powders and products of said method
[NASA-CASE-LAR-10423-1] c 23 N82-29358

POWDER METALLURGY

Process of casting heavy slips Patent
[NASA-CASE-XLE-00106] c 15 N71-16076

Fabrication of controlled-porosity metals Patent
[NASA-CASE-XNP-04339] c 17 N71-29137

Method of making dry electrodes
[NASA-CASE-FRC-10029-2] c 05 N72-25121

Method for producing dispersion strengthened alloys by converting metal to a halide, comminuting, reducing the metal halide to the metal and sintering
[NASA-CASE-LEW-10450-1] c 15 N72-25448

Method of forming superalloys
[NASA-CASE-LEW-10805-1] c 15 N73-13465

Method of heat treating a formed powder product material
[NASA-CASE-LEW-10805-3] c 26 N74-10521

Method of forming articles of manufacture from superalloy powders
[NASA-CASE-LEW-10805-2] c 37 N74-13179

Cermet composition and method of fabrication --- heat resistant alloys and powders
[NASA-CASE-NPO-13120-1] c 27 N76-15311

POWDERED ALUMINUM

Aluminum ion-containing polyimide adhesives
[NASA-CASE-LAR-12640-1] c 27 N82-11206

POWER AMPLIFIERS

Ac power amplifier Patent Application
[NASA-CASE-LAR-10218-1] c 09 N70-34559

Power supply Patent
[NASA-CASE-XMS-02159] c 10 N71-22961

Broadband stable power multiplier Patent
[NASA-CASE-XNP-10854] c 10 N71-26331

Signal path series step biased multidevice high efficiency amplifier Patent
[NASA-CASE-GSC-10668-1] c 07 N71-28430

Isolated output system for a class D switching-mode amplifier
[NASA-CASE-MFS-21616-1] c 33 N75-30429

POWER CONDITIONING

Module failure isolation circuit for paralleled inverters --- preventing system failure during power conditioning for spacecraft applications
[NASA-CASE-NPO-14000-1] c 33 N79-24254

Self-reconfiguring solar cell system
[NASA-CASE-LEW-12586-1] c 44 N80-14472

Pulsed thyristor trigger control circuit
[NASA-CASE-MFS-25616-1] c 33 N82-24428

Solar powered actuator with continuously variable auxiliary power control
[NASA-CASE-MFS-25637-1] c 44 N82-26780

POWER CONVERTERS

Gas-to-hydraulic power converter
[NASA-CASE-MSC-18794-1] c 44 N83-14693

POWER EFFICIENCY

Low power drain semi-conductor circuit
[NASA-CASE-XGS-04999] c 09 N69-24317

Excitation and detection circuitry for a flux responsive magnetic head
[NASA-CASE-XNP-04183] c 09 N69-24329

Apparatus for increasing ion engine beam density Patent
[NASA-CASE-XLE-00519] c 28 N70-41576

Gaseous control system for nuclear reactors
[NASA-CASE-XLE-04599] c 22 N72-20597

Remote platform power conserving system
[NASA-CASE-GSC-11182-1] c 15 N75-13007

A simplified power factor controller with increased energy saving circuit
[NASA-CASE-MFS-25323-1] c 33 N82-12349

Family of airfoil shapes for rotating blades --- for increased power efficiency and blade stability
[NASA-CASE-LAR-12843-1] c 05 N82-33372

POWER FACTOR CONTROLLERS

Three phase power factor controller with induced EMF sensing
[NASA-CASE-MFS-25852-1] c 33 N83-17803

Power control for ac motor
[NASA-CASE-MFS-25862] c 33 N83-28329

Three phase power factor controller
[NASA-CASE-MFS-25535-2] c 33 N83-29593

Tnac failure detector
[NASA-CASE-MFS-25607-1] c 33 N83-34190

POWER GAIN

Serrodyne frequency converter re-entrant amplifier system Patent
[NASA-CASE-XGS-01022] c 07 N71-16088

CRT blanking and brightness control circuit
[NASA-CASE-KSC-10647-1] c 10 N72-31273

Multiple-beam, high-power, precision pointing antenna system
[NASA-CASE-NPO-15406-1] c 33 N82-12345

POWER LIMITERS

Monostable multivibrator
[NASA-CASE-GSC-10082-1] c 10 N72-20221

POWER LINES

Electrical connector for flat cables Patent
[NASA-CASE-XMF-00324] c 09 N70-34596

Motor run-up system --- power lines
[NASA-CASE-NPO-13374-1] c 33 N75-19524

Apparatus including a plurality of spaced transformers for locating short circuits in cables
[NASA-CASE-KSC-10899-1] c 33 N79-18193

Shielded conductor cable system
[NASA-CASE-MSC-12745-1] c 33 N81-27397

Coupling an induction motor type generator to a-c power lines
[NASA-CASE-MFS-25302-2] c 33 N83-24768

Electrical power generating system
[NASA-CASE-MFS-25302-1] c 33 N83-28319

POWER SERIES

Computing apparatus Patent
[NASA-CASE-XGS-04765] c 08 N71-18693

Phase modulating with odd and even finite power series of a modulating signal
[NASA-CASE-LAR-11607-1] c 32 N77-14292

POWER SPECTRA

Method and apparatus for high resolution spectral analysis
[NASA-CASE-NPO-10748] c 08 N72-20177

Instrument for determining coincidence and elapse time between independent sources of random sequential events
[NASA-CASE-LAR-12531-1] c 35 N83-29651

POWER SUPPLIES

Tape recorder Patent
[NASA-CASE-XGS-08259] c 14 N71-23698

Current dependent filter inductance
[NASA-CASE-ERC-10139] c 09 N72-17154

Power supply for carbon dioxide lasers
[NASA-CASE-GSC-11222-1] c 16 N73-32391

High voltage distributor
[NASA-CASE-GSC-11849-1] c 33 N76-16332

POWER SUPPLY CIRCUITS

Regulated dc to dc converter
[NASA-CASE-XGS-03429] c 03 N69-21330

Power control circuit
[NASA-CASE-XNP-02713] c 10 N69-39888

Electronic amplifier with power supply switching Patent
[NASA-CASE-XMS-00945] c 09 N71-10798

Heat pipe thermionic diode power system Patent
[NASA-CASE-XMF-05843] c 03 N71-11055

Pulsed energy power system Patent
[NASA-CASE-MSC-13112] c 03 N71-11057

Data processor having multiple sections activated at different times by selective power coupling to the sections Patent
[NASA-CASE-XGS-04767] c 08 N71-12494

Microwave power receiving antenna Patent
[NASA-CASE-MFS-20333] c 09 N71-13486

Regulated power supply Patent
[NASA-CASE-XMS-01991] c 09 N71-21449

Power supply Patent
[NASA-CASE-XMS-02159] c 10 N71-22961

Polarity sensitive circuit Patent
[NASA-CASE-XNP-00952] c 10 N71-23271

Power supply circuit Patent
[NASA-CASE-XMS-00913] c 10 N71-23543

Drive circuit for minimizing power consumption in inductive load Patent
[NASA-CASE-NPO-10716] c 09 N71-24892

Unsaturating saturable core transformer Patent
[NASA-CASE-ERC-10125] c 09 N71-24893

Voltage dropout sensor Patent
[NASA-CASE-KSC-10020] c 10 N71-27338

Maximum power point tracker Patent
[NASA-CASE-GSC-10376-1] c 14 N71-27407

High power microwave power divider Patent
[NASA-CASE-NPO-11031] c 07 N71-33606

Ripple indicator
[NASA-CASE-KSC-10162] c 09 N72-11225

A dc to ac to dc converter having transistor synchronous rectifiers
[NASA-CASE-GSC-11126-1] c 09 N72-25253

LC-oscillator with automatic stabilized amplitude via bias current control --- power supply circuit for transducers
[NASA-CASE-MFS-21698-1] c 33 N74-26732

Integrable power gyrator --- with Z-matrix design using parallel transistors
[NASA-CASE-MFS-22342-1] c 33 N75-30428

The dc-to-dc converters employing staggered-phase power switches with two-loop control
[NASA-CASE-NPO-13512-1] c 33 N77-10428

Control for nuclear thermionic power source
[NASA-CASE-NPO-13114-2] c 73 N78-28913

Closed Loop solar array-ion thruster system with power control circuitry
[NASA-CASE-LEW-12780-1] c 20 N79-20179

Three phase power factor controller
[NASA-CASE-MFS-25535-1] c 33 N81-12330

Power factor control system for ac induction motors
[NASA-CASE-MFS-23988-1] c 33 N81-27395

Tnac failure detector
[NASA-CASE-MFS-25607-1] c 33 N83-34190

PRECISION

Dynamic precession damper for spin stabilized vehicles Patent
[NASA-CASE-XLA-01989] c 21 N70-34295

PRECIPITATION (CHEMISTRY)

Production of pure metals
[NASA-CASE-LEW-10906-1] c 25 N74-30502

A solvent resistant, thermoplastic aromatic poly(midesulfone) and process for preparing same
[NASA-CASE-LAR-12858-2] c 27 N83-29391

PRECISION

Precision stepping drive Patent
[NASA-CASE-MFS-14772] c 15 N71-17692

Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114-2] c 15 N71-26148

Method and apparatus for precision control of radiometer
[NASA-CASE-NPO-15398-1] c 35 N81-33449

PRELIGHT OPERATIONS

Automatic balancing device Patent
[NASA-CASE-LAR-10774] c 10 N71-13545

PRELAUNCH TESTS

Parasitic probe antenna Patent
[NASA-CASE-XKS-09348] c 09 N71-13521

Electronic checkout system for space vehicles Patent
[NASA-CASE-XKS-08012-2] c 31 N71-15566

PREPOLYMERS

Novel polycarboxylic prepolymeric materials and polymers thereof Patent
[NASA-CASE-NPO-10596] c 06 N71-25929

Curable liquid hydrocarbon prepolymers containing hydroxyl groups and process for producing same
[NASA-CASE-NPO-13137-1] c 27 N80-32514

Prepolymer dianhydrides
[NASA-CASE-NPO-13899-1] c 27 N80-32515

Structural wood panels with improved fire resistance
[NASA-CASE-ARC-11174-1] c 24 N81-13999

Method for forming pyrrone molding powders and products of said method
[NASA-CASE-LAR-10423-1] c 23 N82-29358

High performance fillet sealant
[NASA-CASE-ARC-11409-1] c 27 N82-32490

Elastomer toughened polyimide adhesives
[NASA-CASE-LAR-12775-1] c 27 N83-28240

Polyphenylquinoxalines containing pendant phenylethynyl and ethynyl groups --- for thermoplastic resins
[NASA-CASE-LAR-12838-1] c 27 N83-34040

PREPREGS

Tackifier for addition polyimides containing monoethylphthalate
[NASA-CASE-LAR-12642-1] c 27 N81-29229

PRESSURE

Strain gage mounting assembly
[NASA-CASE-NPO-13170-1] c 35 N76-14430

PRESSURE CHAMBERS

Electric arc driven wind tunnel Patent
[NASA-CASE-XMF-00411] c 11 N70-36913

Whole body measurement systems --- for weightlessness simulation
[NASA-CASE-MSC-13972-1] c 52 N74-10975

Accumulator
[NASA-CASE-MFS-19287-1] c 34 N77-30399
Safety shield for vacuum/pressure chamber viewing port
[NASA-CASE-GSC-12513-1] c 31 N81-19343

PRESSURE DISTRIBUTION
Instrument for use in performing a controlled Valsalva maneuver Patent
[NASA-CASE-XMS-01615] c 05 N70-41329
Prevention of pressure build-up in electrochemical cells Patent
[NASA-CASE-XGS-01419] c 03 N70-41864

Accumulator
[NASA-CASE-MFS-19287-1] c 34 N77-30399
Thermal barrier pressure seal — shielding junctions between spacecraft control surfaces and structures
[NASA-CASE-MSC-18134-1] c 37 N81-15363
Continuous self-locking spiral wound seal — for maintaining pressure between chambers in cryogenic wind tunnels
[NASA-CASE-LAR-12315-1] c 37 N82-24490
Ultrasonic transducer with Gaussian radial pressure distribution
[NASA-CASE-LAR-12967-1] c 35 N83-12397

PRESSURE DROP
Leak detector
[NASA-CASE-MFS-21761-1] c 35 N75-15931

PRESSURE EFFECTS
System for stabilizing cable phase delay utilizing a coaxial cable under pressure
[NASA-CASE-NPO-13138-1] c 33 N74-17927
Evacuated, displacement compression mold — of tubular bodies from thermosetting plastics
[NASA-CASE-LAR-10782-2] c 31 N75-13111
Internally supported flexible duct joint — device for conducting fluids in high pressure systems
[NASA-CASE-MFS-19193-1] c 37 N75-19686
Fluid pressure balanced seal
[NASA-CASE-XGS-01286-1] c 37 N79-33469

PRESSURE GAGES
Differential pressure cell Patent
[NASA-CASE-XAC-00042] c 14 N70-34816
Blood pressure measuring system for separating and separately recording dc signal and an ac signal Patent
[NASA-CASE-XMS-06061] c 05 N71-23317
Apparatus for testing a pressure responsive instrument Patent
[NASA-CASE-XMF-04134] c 14 N71-23755
Device for measuring pressure Patent
[NASA-CASE-XAC-04458] c 14 N71-24232
Ultrahigh vacuum gauge having two collector electrodes
[NASA-CASE-LAR-02743] c 14 N73-32324
Gas ion laser construction for electrically isolating the pressure gauge thereof
[NASA-CASE-MFS-22597] c 36 N78-17366

PRESSURE GRADIENTS
Positive displacement flowmeter Patent
[NASA-CASE-XMF-02822] c 14 N70-41994
Real time pressure signal system for a rotary engine
[NASA-CASE-LEW-13622-1] c 07 N82-26294
Dual laser optical system and method for studying fluid flow
[NASA-CASE-MFS-25315-1] c 36 N83-29680

PRESSURE HEADS
Head for high speed spinner having a vacuum chuck — holding silicon dioxide chips for etching
[NASA-CASE-NPO-15227-1] c 37 N81-33482

PRESSURE MEASUREMENT
Inertia diaphragm pressure transducer Patent
[NASA-CASE-XAC-02981] c 14 N71-21072
Linear differential pressure sensor Patent
[NASA-CASE-XMF-01974] c 14 N71-22752
Device for measuring pressure Patent
[NASA-CASE-XAC-04458] c 14 N71-24232
Device for measuring light scattering wherein the measuring beam is successively reflected between a pair of parallel reflectors Patent
[NASA-CASE-XER-11203] c 14 N71-28994
Sensing probe
[NASA-CASE-LEW-10281-1] c 14 N72-17327
Gauge calibration by diffusion
[NASA-CASE-XGS-07752] c 14 N73-30390
Apparatus for absolute pressure measurement
[NASA-CASE-LAR-10000] c 14 N73-30394
Wind tunnel model and method
[NASA-CASE-LAR-10812-1] c 09 N74-17955
Indicated mean-effective pressure instrument
[NASA-CASE-LEW-12661-1] c 35 N79-14345
High-temperature microphone system — for measuring pressure fluctuations in gases at high temperature
[NASA-CASE-LAR-12375-1] c 32 N79-24203
Static pressure orifice system testing method and apparatus
[NASA-CASE-LAR-12269-1] c 35 N80-18358

Detection of the transitional layer between laminar and turbulent flow areas on a wing surface — using an accelerometer to measure pressure levels during wind tunnel tests
[NASA-CASE-LAR-12261-1] c 02 N80-20224

A self-correcting electronically scanned pressure sensor
[NASA-CASE-LAR-12686-1] c 09 N81-27121
Non-invasive method and apparatus for measuring pressure within a pliable vessel
[NASA-CASE-ARC-11264-1] c 52 N81-33804
Electronic scanning pressure measuring system and transducer package
[NASA-CASE-ARC-11361-1] c 35 N82-26635
Method of an apparatus for measuring temperature and pressure — remote sensing of the atmosphere
[NASA-CASE-GSC-12558-1] c 35 N82-29580
Non-invasive method and apparatus for measuring pressure within a pliable vessel
[NASA-CASE-ARC-11264-2] c 52 N83-29991

PRESSURE REDUCTION
Relief valve
[NASA-CASE-XMS-05894-1] c 15 N69-21824
Sealed battery gas manifold construction Patent
[NASA-CASE-XNP-03378] c 03 N71-11051
Depressurization of arc lamps
[NASA-CASE-NPO-10790-1] c 33 N77-21316
Method of purifying metallurgical grade silicon employing reduced pressure atmospheric control
[NASA-CASE-NPO-14474-1] c 26 N80-14229
Pressure letdown method and device for coal conversion systems
[NASA-CASE-NPO-15100-1] c 28 N81-33306

PRESSURE REGULATORS
Pressure regulating system Patent
[NASA-CASE-XNP-00450] c 15 N70-38603
Resuscitation apparatus Patent
[NASA-CASE-XMS-01115] c 05 N70-39922
High pressure regulator valve Patent
[NASA-CASE-XNP-00710] c 15 N71-10778
Space suit pressure stabilizer Patent
[NASA-CASE-XLA-05332] c 05 N71-11194
Portable environmental control system Patent
[NASA-CASE-XMS-09632-1] c 05 N71-11203
Anti-backlash circuit for hydraulic drive system Patent
[NASA-CASE-XNP-01020] c 03 N71-12260
High impact pressure regulator Patent
[NASA-CASE-NPO-10175] c 14 N71-18625
Underwater space suit pressure control regulator
[NASA-CASE-MFS-20332] c 05 N72-20097
Underwater space suit pressure control regulator
[NASA-CASE-MFS-20332-2] c 05 N73-25125
Combined pressure regulator and shutoff valve
[NASA-CASE-NPO-13201-1] c 37 N75-15050
Pressure modulating valve
[NASA-CASE-MSC-14905-1] c 37 N77-28487
Flow compensating pressure regulator
[NASA-CASE-LEW-12718-1] c 34 N78-25351
Flow diverter valve and flow diversion method
[NASA-CASE-HON-00573-1] c 37 N79-33468
Intra-ocular pressure normalization technique and equipment
[NASA-CASE-LEW-12955-1] c 52 N80-14684
Intra-ocular pressure normalization technique and equipment
[NASA-CASE-LEW-12723-1] c 52 N80-18690
Pressure control valve — inflating flexible bladders
[NASA-CASE-ARC-11251-1] c 37 N81-17433
Prosthetic urinary sphincter
[NASA-CASE-MFS-23717-1] c 52 N81-25660
Fluid driven sump pump
[NASA-CASE-LAR-11414-1] c 37 N83-20152
Ion beam sputter-etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-1] c 52 N83-21785
Vibration isolation and pressure compensation apparatus for sensitive instrumentation
[NASA-CASE-LAR-12728-1] c 35 N83-32026

PRESSURE SENSORS
Pressure variable capacitor
[NASA-CASE-XNP-09752] c 14 N69-21541
Aerodynamic measuring device Patent
[NASA-CASE-XLA-00481] c 14 N70-36824
Check valve assembly for a probe Patent
[NASA-CASE-XLA-00128] c 15 N70-37925
Dynamic sensor Patent
[NASA-CASE-XAC-02877] c 14 N70-41681
Inertia diaphragm pressure transducer Patent
[NASA-CASE-XAC-02981] c 14 N71-21072
Linear differential pressure sensor Patent
[NASA-CASE-XMF-01974] c 14 N71-22752
Pressure transducer calibrator Patent
[NASA-CASE-XNP-01660] c 14 N71-23036
Instrument for measuring the dynamic behavior of liquids Patent
[NASA-CASE-XLA-05541] c 12 N71-26387

Pressure sensitive transducers Patent
[NASA-CASE-ERC-10087] c 14 N71-27334
Method of making pressurized panel Patent
[NASA-CASE-XLA-08916] c 15 N71-29018

Sensing probe
[NASA-CASE-LEW-10281-1] c 14 N72-17327

Pressure transducer
[NASA-CASE-NPO-10832] c 14 N72-21405
Pressure operated electrical switch responsive to a pressure decrease after a pressure increase
[NASA-CASE-LAR-10137-1] c 09 N72-22204
Wide range dynamic pressure sensor
[NASA-CASE-ARC-10263-1] c 14 N72-22438
Differential pressure control
[NASA-CASE-MFS-14216] c 14 N73-13418
Pressurized panel
[NASA-CASE-XLA-08916-2] c 14 N73-28487
System for calibrating pressure transducer
[NASA-CASE-LAR-10910-1] c 35 N74-13132
Stagnation pressure probe — for measuring pressure of supersonic gas streams
[NASA-CASE-LAR-11139-1] c 35 N74-32878
Circuit for detecting initial systole and diastolic notch — for monitoring arterial pressure
[NASA-CASE-LEW-11581-1] c 54 N75-13531
Leak detector
[NASA-CASE-MFS-21761-1] c 35 N75-15931
Measurement of gas production of microorganisms — using pressure sensors
[NASA-CASE-LAR-11326-1] c 35 N75-33368
Static pressure probe
[NASA-CASE-LAR-11552-1] c 35 N76-14429
Tnelectrode capacitive pressure transducer
[NASA-CASE-ARC-10711-2] c 33 N76-21390
Catheter tip force transducer for cardiovascular research
[NASA-CASE-NPO-13643-1] c 52 N76-29896
Miniature biaxial strain transducer
[NASA-CASE-LAR-11648-1] c 35 N77-14407
Pressure transducer — using a monomeric charge transfer complex sensor
[NASA-CASE-NPO-11150] c 35 N78-17359
Electronically scanned pressure sensor module with in situ calibration capability
[NASA-CASE-LAR-12230-1] c 35 N79-14347
System for use in conducting wake investigation for a wing in flight — differential pressure measurements for drag investigations
[NASA-CASE-FRC-11024-1] c 02 N80-28300
A self-correcting electronically scanned pressure sensor
[NASA-CASE-LAR-12686-1] c 09 N81-27121
Non-invasive method and apparatus for measuring pressure within a pliable vessel
[NASA-CASE-ARC-11264-1] c 52 N81-33804
Real time pressure signal system for a rotary engine
[NASA-CASE-LEW-13622-1] c 07 N82-26294
Electronic scanning pressure measuring system and transducer package
[NASA-CASE-ARC-11361-1] c 35 N82-26635
Carbon granule probe microphone for leak detection
[NASA-CASE-NPO-16027-1] c 33 N83-29595
Automatic compression adjusting mechanism for internal combustion engines
[NASA-CASE-MSC-18807-1] c 37 N83-36483

PRESSURE SUITS
Pressure suit tie-down mechanism Patent
[NASA-CASE-XMS-00784] c 05 N71-12335
Pressure garment joint Patent
[NASA-CASE-XMS-09636] c 05 N71-12344
Omnidirectional joint Patent
[NASA-CASE-XMS-09635] c 05 N71-24623
Foreshortened convolute section for a pressurized suit Patent
[NASA-CASE-XMS-09637-1] c 05 N71-24730
Method of forming a root cord restrained convolute section
[NASA-CASE-MSC-12398] c 05 N72-20098
Restrained torso for a pressurized suit
[NASA-CASE-MSC-12397-1] c 05 N72-25119
Flexible joint for pressurizable garment
[NASA-CASE-MSC-11072] c 54 N74-32546
Walking boot assembly
[NASA-CASE-ARC-11101-1] c 54 N78-17675
Pressure suit joint analyzer
[NASA-CASE-ARC-11314-1] c 54 N82-26987
Lower body negative pressure apparatus
[NASA-CASE-MSC-20202-1] c 54 N83-18254

PRESSURE SWITCHES
Reinforcing means for diaphragms Patent
[NASA-CASE-XNP-01962] c 32 N70-41370
Calibrating pressure switch
[NASA-CASE-XMF-04494-1] c 33 N79-33392

PRESSURE VESSELS
Liquid rocket system Patent
[NASA-CASE-XNP-00610] c 28 N70-36910

Thin-walled pressure vessel Patent
[NASA-CASE-XLE-04677] c 15 N71-10577

Gas regulator Patent
[NASA-CASE-NPO-10298] c 12 N71-17661

Controlled glass bead peening Patent
[NASA-CASE-XLA-07390] c 15 N71-18616

Heater-mixer for stored fluids
[NASA-CASE-ARC-10442-1] c 35 N74-15093

Method and apparatus for nondestructive testing of pressure vessels
[NASA-CASE-NPO-12142-1] c 38 N76-28563

Gas compression apparatus
[NASA-CASE-MSC-14757-1] c 35 N78-10428

Pressure control valve -- inflating flexible bladders
[NASA-CASE-ARC-11251-1] c 37 N81-17433

Method and apparatus for growth of crystals by pressure reduction of supercritical or subcritical solution
[NASA-CASE-NPO-15772-1] c 76 N82-23031

Space Shuttle with improved external propellant tank
[NASA-CASE-MFS-25853] c 16 N83-13149

Securable bearing stress-strain indicator -- for monitoring torque on bolts incorporated in pressure vessels
[NASA-CASE-LAR-12774-1] c 35 N83-29654

PRESSURE WELDING
Diffusion welding -- heat treatment of nickel alloys following single step vacuum welding process
[NASA-CASE-LEW-11388-2] c 37 N74-21055

PRESSURIZING
Restraining mechanism
[NASA-CASE-MSC-13054] c 54 N78-17677

PRESTRESSING
Prestressed refractory structure Patent
[NASA-CASE-XNP-02888] c 18 N71-21068

Method of manufacture of bonded fiber flywheel -- fiberglass-epoxy
[NASA-CASE-MFS-23674-1] c 24 N81-29163

Prestressed thermal protection systems -- space shuttle orbiters
[NASA-CASE-MSC-20254-1] c 24 N83-17601

Apparatus for accurately preloading auger attachment means for frangible protective material
[NASA-CASE-MSC-18791-1] c 37 N83-36482

PRETREATMENT
Pretreatment method for anti-wettable materials
[NASA-CASE-XMS-03537] c 15 N69-21471

Apparatus for accurately preloading auger attachment means for frangible protective material
[NASA-CASE-MSC-18791-1] c 37 N83-36482

PRINTED CIRCUITS
Electrical feed-through connection for printed circuit boards and printed cable
[NASA-CASE-XMF-01483] c 14 N69-27431

Printed cable connector Patent
[NASA-CASE-XMF-00369] c 09 N70-36494

Printed circuit board with bellows rivet connection Patent
[NASA-CASE-XNP-05082] c 15 N70-41960

Electrical spot terminal assembly Patent
[NASA-CASE-NPO-10034] c 15 N71-17685

Method of coating circuit paths on printed circuit boards with solder Patent
[NASA-CASE-XMF-01599] c 09 N71-20705

Device for handling printed circuit cards Patent
[NASA-CASE-MFS-20453] c 15 N71-29133

Polyimide resin-fiberglass cloth laminates for printed circuit boards
[NASA-CASE-MFS-20408] c 18 N73-12604

Circuit board package with wedge shaped covers
[NASA-CASE-MFS-21919-1] c 10 N73-25243

Device for configuring multiple leads -- method for connecting electric leads to printed circuit board
[NASA-CASE-MFS-22133-1] c 33 N74-26977

Connector -- for connecting circuits on different layers of multilayer printed circuit boards
[NASA-CASE-LAR-11709-1] c 37 N76-27567

Controlled caging and uncaging mechanism
[NASA-CASE-GSC-11063-1] c 37 N77-27400

Solar array strip and a method for forming the same
[NASA-CASE-NPO-13652-1] c 44 N79-17314

Magnetic heading reference
[NASA-CASE-LAR-12638-1] c 44 N82-24716

Screen printed interdigitated back contact solar cell
[NASA-CASE-LEW-13414-1] c 44 N83-20374

PRINTING
Application of semiconductor diffusants to solar cells by screen printing
[NASA-CASE-LEW-12775-1] c 44 N79-11468

Multicolor printing plate joining
[NASA-CASE-LEW-13598-1] c 31 N83-17745

PRINTOUTS
Device for handling printed circuit cards Patent
[NASA-CASE-MFS-20453] c 15 N71-29133

PRISMS
Interferometric rotation sensor
[NASA-CASE-ARC-10278-1] c 14 N73-25463

Method and apparatus for splitting a beam of energy -- optical communication
[NASA-CASE-GSC-12083-1] c 73 N78-32848

Laser resonator
[NASA-CASE-GSC-12565-1] c 36 N82-24485

Multiprism collimator
[NASA-CASE-GSC-12608-1] c 74 N83-10900

Rhomboid prism pair for rotating the plane of parallel light beams
[NASA-CASE-ARC-11311-1] c 74 N83-13978

PROBABILITY THEORY
System and method for character recognition
[NASA-CASE-NPO-11337-1] c 74 N81-19896

PROBES
Method and apparatus for securing to a spacecraft Patent
[NASA-CASE-MFS-11133] c 31 N71-16222

Droplet monitoring probe
[NASA-CASE-NPO-10985] c 14 N73-20478

System and method for moving a probe to follow movements of tissue
[NASA-CASE-NPO-15197-1] c 52 N83-25346

PROCESS CONTROL (INDUSTRY)
Photoelectric detection system -- manufacturing automation
[NASA-CASE-MFS-23776-1] c 33 N82-28545

PRODUCT DEVELOPMENT
Technique of duplicating fragile core
[NASA-CASE-XLA-07829] c 15 N72-16329

Tube fabricating process
[NASA-CASE-LAR-10203-1] c 15 N72-16330

Process for making diamonds
[NASA-CASE-MFS-20698-2] c 15 N73-19457

High power laser apparatus and system
[NASA-CASE-XLE-2529-2] c 36 N75-27364

Induced junction solar cell and method of fabrication
[NASA-CASE-NPO-13786-1] c 44 N80-29835

Process for preparation of large-particle-size monodisperse latexes
[NASA-CASE-MFS-25000-1] c 25 N81-19242

Ion-exchange hollow fibers
[NASA-CASE-NPO-13309-1] c 25 N81-19244

Precision heat forming of tetrafluoroethylene tubing
[NASA-CASE-MSC-18430-1] c 37 N82-24491

Fiber optic crossbar switch for automatically patching optical signals
[NASA-CASE-KSC-11104-1] c 74 N83-29032

Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-1] c 27 N83-31854

PRODUCTION ENGINEERING
Indexed keyed connection Patent
[NASA-CASE-XMS-02532] c 15 N70-41808

Method and apparatus for making curved reflectors Patent
[NASA-CASE-XLE-08917] c 15 N71-15597

Method of making self lubricating fluoride-metal composite materials Patent
[NASA-CASE-XLE-08511-2] c 18 N71-18105

Method of making impurity-type semiconductor electrical contacts Patent
[NASA-CASE-XMF-01016] c 26 N71-17818

Method of making inflatable honeycomb Patent
[NASA-CASE-XLA-03492] c 15 N71-22713

Multilayer porous ionizer Patent
[NASA-CASE-XNP-04338] c 17 N71-23046

Ion engine casing construction and method of making same Patent
[NASA-CASE-XNP-06942] c 28 N71-23293

Flexible conductive disc electrode Patent
[NASA-CASE-FRC-10029] c 09 N71-24618

Star tracking reticles
[NASA-CASE-GSC-11188-1] c 14 N73-32320

Process for making sheets with parallel pores of uniform size
[NASA-CASE-GSC-10984-1] c 37 N75-26371

Solar cell collector and method for producing same
[NASA-CASE-LEW-12552-2] c 44 N79-11472

Multilevel metallization method for fabricating a metal oxide semiconductor device
[NASA-CASE-MFS-23541-1] c 76 N79-14906

Solar array strip and a method for forming the same
[NASA-CASE-NPO-13652-1] c 44 N79-17314

Method of fabricating a photovoltaic module of a substantially transparent construction
[NASA-CASE-NPO-14303-1] c 44 N80-18550

Apparatus for use in the production of ribbon-shaped crystals from a silicon melt
[NASA-CASE-NPO-14297-1] c 33 N81-19389

Method and apparatus for producing concentric hollow spheres -- inertial confinement fusion targets
[NASA-CASE-NPO-14598-1] c 31 N81-33319

Apparatus for sequentially transporting containers
[NASA-CASE-MFS-23846-1] c 37 N82-32731

Solar cell having improved back surface reflector
[NASA-CASE-LEW-13620-1] c 44 N83-13579

Process for producing tris (N-methylamino) methylsilane
[NASA-CASE-MFS-25721-1] c 25 N83-25811

Method of increasing minority carrier lifetime in silicon web or the like
[NASA-CASE-NPO-15530-1] c 76 N83-35888

PROJECTILES
Self-orienting, gas operated launcher
[NASA-CASE-NPO-11013] c 11 N72-22247

Two stage light gas-plasma projectile accelerator
[NASA-CASE-MFS-22287-1] c 75 N76-14931

PROJECTION
Projection system for display of parallax and perspective
[NASA-CASE-MFS-23194-1] c 35 N78-17357

PROJECTIVE GEOMETRY
Projection system for display of parallax and perspective
[NASA-CASE-MFS-23194-1] c 35 N78-17357

PROJECTORS
Optical projector system Patent
[NASA-CASE-XNP-03853] c 23 N71-21882

System and method for obtaining wide screen Schlieren photographs
[NASA-CASE-NPO-14174-1] c 74 N79-20856

PROPAGATION MODES
Dual waveguide mode source having control means for adjusting the relative amplitude of two modes Patent
[NASA-CASE-XNP-03134] c 07 N71-10676

PROPELLANT ACTUATED INSTRUMENTS
Pressure limiting propellant actuating system
[NASA-CASE-MSC-18179-1] c 20 N80-18097

PROPELLANT ADDITIVES
Inhibited solid propellant composition containing beryllium hydride
[NASA-CASE-NPO-10866-1] c 28 N79-14228

PROPELLANT BINDERS
Method of forming difunctional polyisobutylene
[NASA-CASE-NPO-10893] c 27 N73-22710

Recovery of aluminum from composite propellants
[NASA-CASE-NPO-14110-1] c 28 N81-15119

PROPELLANT CASTING
Casting propellant in rocket engine
[NASA-CASE-LAR-11995-1] c 28 N77-10213

Solid propellant rocket motor and method of making same
[NASA-CASE-XLA-1349] c 20 N77-17143

PROPELLANT CHEMISTRY
Nitramine propellants -- gun propellant burning rate
[NASA-CASE-NPO-14103-1] c 28 N78-31255

PROPELLANT COMBUSTION
Spherically-shaped rocket motor Patent
[NASA-CASE-XHQ-01897] c 28 N70-35381

Control of transverse instability in rocket combustors Patent
[NASA-CASE-XLE-04803] c 33 N71-21507

PROPELLANT DECOMPOSITION
Decomposition unit Patent
[NASA-CASE-XMS-00583] c 28 N70-38504

PROPELLANT GRAINS
Propellant grain for rocket motors Patent
[NASA-CASE-XGS-03556] c 27 N70-35534

PROPELLANT TANKS
Liquid rocket system Patent
[NASA-CASE-NXP-00610] c 28 N70-36910

Slosh suppressing device and method Patent
[NASA-CASE-XMF-00658] c 12 N70-38997

Measuring device Patent
[NASA-CASE-XMS-01546] c 14 N70-40233

Zero gravity starting means for liquid propellant motors Patent
[NASA-CASE-XNP-01390] c 28 N70-41275

Tank construction for space vehicles Patent
[NASA-CASE-XMF-01899] c 31 N70-41948

Method and apparatus for detection and location of microleaks Patent
[NASA-CASE-XMF-02307] c 14 N71-10779

Method of making a filament-wound container Patent
[NASA-CASE-XLE-03803-2] c 15 N71-17651

Slosh alleviator Patent
[NASA-CASE-XLA-05749] c 15 N71-19569

Booster tank system Patent
[NASA-CASE-MSC-12390] c 27 N71-29155

Space vehicle system
[NASA-CASE-MSC-12561-1] c 18 N76-17185

Passive propellant system
[NASA-CASE-MFS-23642-2] c 20 N78-27176

Three stage rocket vehicle with parallel staging -- space transportation system
[NASA-CASE-MFS-25678-1] c 18 N83-12138

PROPELLANT TRANSFER
Fluid coupling Patent
[NASA-CASE-XLE-00397] c 15 N70-36492

Apparatus for transferring cryogenic liquids Patent
[NASA-CASE-XLE-00345] c 15 N70-38020

Method for continuous variation of propellant flow and thrust in propulsive devices Patent
[NASA-CASE-XLE-00177] c 28 N70-40367

Fluid dispensing apparatus and method Patent
[NASA-CASE-XLE-01182] c 27 N71-15635

Electrostatic ion rocket engine Patent
[NASA-CASE-XLE-02066] c 28 N71-15661

Control of transverse instability in rocket combustors Patent
[NASA-CASE-XLE-04603] c 33 N71-21507

Vapor liquid separator Patent
[NASA-CASE-XMF-04042] c 15 N71-23023

Filler valve Patent
[NASA-CASE-XNP-01747] c 15 N71-23024

Propellant feed isolator Patent
[NASA-CASE-LEW-10210-1] c 28 N71-26781

Spherical shield Patent
[NASA-CASE-XNP-01855] c 15 N71-28937

Passive propellant system
[NASA-CASE-MFS-23642-2] c 20 N78-27176

PROPELLER BLADES
Propeller blade loading control Patent
[NASA-CASE-XAC-00139] c 02 N70-34856

PROPELLERS
Heads up display
[NASA-CASE-LAR-12630-1] c 06 N82-29319

PROPORTIONAL CONTROL
Proportional controller Patent
[NASA-CASE-XAC-03392] c 03 N70-41954

PROPULSION SYSTEM CONFIGURATIONS
Electro-thermal rocket Patent
[NASA-CASE-XLE-00267] c 28 N70-33356

Propellant grain for rocket motors Patent
[NASA-CASE-XGS-03556] c 27 N70-35534

Composite powerplant and shroud therefor Patent
[NASA-CASE-XLA-01043] c 28 N71-10780

Annular slit collord thruster Patent
[NASA-CASE-GSC-10709-1] c 28 N71-25213

Propellant tank pressurization system Patent
[NASA-CASE-XNP-00650] c 27 N71-28929

Apparatus for endoscopic examination --- analysis of the propulsion system configuration and transmitter
[NASA-CASE-NPO-14092-1] c 52 N80-16725

PROPULSION SYSTEM PERFORMANCE
Variable mixer propulsion cycle
[NASA-CASE-LEW-12917-1] c 07 N78-18067

PROSTHETIC DEVICES
Tactile sensing means for prosthetic limbs
[NASA-CASE-MFS-16570-1] c 05 N73-32013

Orthotic arm joint --- for use in mechanical arms
[NASA-CASE-MFS-21611-1] c 54 N75-12616

Actuator device for artificial leg
[NASA-CASE-MFS-23225-1] c 52 N77-14735

Aldehyde-containing urea-absorbing polysaccharides
[NASA-CASE-NPO-13620-1] c 27 N77-30236

Rotational joint assembly for the prosthetic leg
[NASA-CASE-KSC-11004-1] c 54 N77-30749

Mechanical energy storage device for hip disarticulation
[NASA-CASE-ARC-10916-1] c 52 N78-10686

Method of adhering bone to a rigid substrate using a graphite fiber reinforced bone cement
[NASA-CASE-NPO-13764-1] c 27 N78-17215

Compact artificial hand
[NASA-CASE-NPO-13906-1] c 54 N79-24652

Prosthesis coupling
[NASA-CASE-KSC-11069-1] c 52 N79-26772

Prosthetic urinary sphincter
[NASA-CASE-MFS-23717-1] c 52 N81-25660

Prosthetic occlusive device for an internal passageway
[NASA-CASE-MFS-25640-1] c 52 N82-26962

Texturing polymer surfaces by transfer casting --- cardiovascular prosthesis
[NASA-CASE-LEW-13120-1] c 27 N82-28440

PROTECTION
Apparatus and method for protecting a photographic device Patent
[NASA-CASE-NPO-10174] c 14 N71-18465

Fiber modified polyurethane foam for ballistic protection
[NASA-CASE-ARC-10714-1] c 27 N76-15310

PROTECTIVE CLOTHING
Process for conditioning tanned sharkskin and articles made therefrom Patent
[NASA-CASE-XMS-09691-1] c 18 N71-15545

Biological isolation garment Patent
[NASA-CASE-MSC-12206-1] c 05 N71-17599

Garments for controlling the temperature of the body Patent
[NASA-CASE-XMS-10269] c 05 N71-24147

Foreshortened convolute section for a pressurized suit Patent
[NASA-CASE-XMS-09637-1] c 05 N71-24730

Protective suit having an audio transceiver Patent
[NASA-CASE-KSC-10164] c 07 N71-33108

Protective garment ventilation system
[NASA-CASE-XMS-04928] c 54 N78-17679

Vitro-violet process for producing flame resistant polyamides and products produced thereby --- protective clothing for high oxygen environments
[NASA-CASE-MSC-16074-1] c 27 N80-26446

PROTECTIVE COATINGS
Coating process
[NASA-CASE-XNP-06508] c 18 N69-39895

Alkali-metal silicate protective coating
[NASA-CASE-XGS-04119] c 18 N69-39979

Process for applying a protective coating for salt bath brazing Patent
[NASA-CASE-XLE-00046] c 15 N70-33311

Method and apparatus for shock protection Patent
[NASA-CASE-XLA-00482] c 15 N70-36409

Thermal control of space vehicles Patent
[NASA-CASE-XLA-01291] c 33 N70-36617

Process for preparing sterile solid propellants Patent
[NASA-CASE-XNP-01749] c 27 N70-41897

Fire resistant coating composition Patent
[NASA-CASE-GSC-10072] c 18 N71-14014

Bacteriostatic conformal coating and methods of application Patent
[NASA-CASE-GSC-10007] c 18 N71-16046

Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent
[NASA-CASE-XLA-00284] c 15 N71-16075

Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent
[NASA-CASE-XLA-00302] c 15 N71-16077

Aerodynamic protection for space flight vehicles Patent
[NASA-CASE-XNP-02507] c 31 N71-17679

Heat protection apparatus Patent
[NASA-CASE-XLA-00892] c 33 N71-17897

Bismuth-lead coatings for gas bearings used in atmospheric environments and vacuum chambers Patent
[NASA-CASE-XGS-02011] c 15 N71-20739

Alkali metal silicate protective coating Patent
[NASA-CASE-XGS-04799] c 18 N71-24183

Process for reducing secondary electron emission Patent
[NASA-CASE-XNP-09469] c 24 N71-25555

Solid state thermal control polymer coating Patent
[NASA-CASE-XLA-01745] c 33 N71-28903

Method of coating through-holes Patent
[NASA-CASE-XMF-05999] c 15 N71-29032

Potassium silicate zinc coatings
[NASA-CASE-GSC-10361-1] c 18 N72-23581

Method of coating solar cell with borosilicate glass and resultant product
[NASA-CASE-GSC-11514-1] c 03 N72-24037

Semiconductor surface protection material
[NASA-CASE-ERC-10339-1] c 18 N73-30532

Nonflammable coating compositions --- for use in high oxygen environments
[NASA-CASE-MFS-20486-2] c 27 N74-17283

Fused silicate coatings containing discrete particles for protecting niobium alloys --- used in space shuttle thermal protection systems and turbine engine components
[NASA-CASE-LEW-11179-1] c 27 N76-16229

High temperature oxidation resistant cermet compositions
[NASA-CASE-NPO-13666-1] c 27 N77-13217

Leading edge protection for composite blades
[NASA-CASE-LEW-12550-1] c 24 N77-19170

Intumescent coatings containing 4,4'-dinitrosulfanilide
[NASA-CASE-ARC-11042-1] c 24 N78-14096

Sprayable low density ablator and application process
[NASA-CASE-MFS-23506-1] c 24 N78-24290

Reaction cured glass and glass coatings
[NASA-CASE-ARC-11051-1] c 27 N78-32260

Infusible silazane polymer and process for producing same --- protective coatings
[NASA-CASE-XMF-02526-1] c 27 N79-21190

Fire protection covering for small diameter missiles
[NASA-CASE-ARC-11104-1] c 15 N79-26100

Improved refractory coatings --- sputtered coatings on substrates that form stable nitrides
[NASA-CASE-LEW-23169-2] c 26 N81-16209

Corrosion resistant thermal barrier coating --- protecting gas turbines and other engine parts
[NASA-CASE-LEW-13088-1] c 26 N81-25188

Heat sealable, flame and abrasion resistant coated fabric --- clothing and containers for space exploration
[NASA-CASE-MSC-18382-1] c 27 N82-16238

Method of protecting a surface with a silicon-slurry/aluminate coating --- coatings for gas turbine engine blades and vanes
[NASA-CASE-LEW-13343-1] c 27 N82-28441

Overlay metallic-cermet alloy coating systems --- for gas turbine engines
[NASA-CASE-LEW-13639-1] c 27 N82-33522

Coating with overlay metallic-cermet alloy systems
[NASA-CASE-LEW-13639-2] c 26 N83-17683

Improved nickel base coating alloy --- oxidation resistant coatings
[NASA-CASE-LEW-13834-1] c 26 N83-24639

Curved film cooling admission tube
[NASA-CASE-LEW-13174-1] c 34 N83-27144

High voltage isolation transformer
[NASA-CASE-GSC-12817-1] c 33 N83-29590

Silicon-slurry/aluminate coating --- protecting gas turbine engine vanes and blades
[NASA-CASE-LEW-13343] c 26 N83-31795

Covering solid, film cooled surfaces with a duplex thermal barrier coating
[NASA-CASE-LEW-13450-1] c 31 N83-35177

PROTECTORS
Load cell protection device Patent
[NASA-CASE-XMS-06782] c 32 N71-15974

Omnidirectional multiple impact landing system Patent
[NASA-CASE-XLA-09881] c 31 N71-16085

PROTEINS
Protein sterilization method of firefly luciferase using reduced pressure and molecular sieves
[NASA-CASE-GSC-10225-1] c 06 N73-27086

PROTON FLUX DENSITY
Flame detector operable in presence of proton radiation
[NASA-CASE-MFS-21577-1] c 19 N74-29410

PROXIMITY
Focal plane array optical proximity sensor
[NASA-CASE-NPO-15155-1] c 74 N81-22894

PSEUDONOISE
Rapid sync acquisition system Patent
[NASA-CASE-NPO-10214] c 10 N71-26577

Pseudonoise sequence generators with three tap linear feedback shift registers
[NASA-CASE-NPO-11406] c 08 N73-12175

Two carrier communication system with single transmitter
[NASA-CASE-NPO-11548] c 07 N73-26118

Pseudo-noise test set for communication system evaluation --- test signals
[NASA-CASE-MFS-22671-1] c 35 N75-21582

Pseudonoise code tracking loop
[NASA-CASE-MSC-18035-1] c 32 N81-15179

PULLEYS
Tension measurement device Patent
[NASA-CASE-XMS-04545] c 15 N71-22878

Tensile strength testing device Patent
[NASA-CASE-XNP-05634] c 15 N71-24834

PULLING
Containerless high purity pulling process and apparatus for glass fibers
[NASA-CASE-MFS-25905-1] c 74 N83-35825

PULMONARY CIRCULATION
Resuscitation apparatus Patent
[NASA-CASE-XMS-01115] c 05 N70-39922

PULMONARY FUNCTIONS
Instrument for use in performing a controlled Valsalva maneuver Patent
[NASA-CASE-XMS-01615] c 05 N70-41329

PULSE AMPLITUDE
System for monitoring signal amplitude ranges
[NASA-CASE-XMS-04061-1] c 09 N69-39885

Analog to digital converter Patent
[NASA-CASE-XLA-00670] c 08 N71-12501

Pulse amplitude and width detector Patent
[NASA-CASE-XMF-06519] c 09 N71-12519

Analog-to-digital converter
[NASA-CASE-XNP-00477] c 08 N73-28045

Electro-mechanical sine/cosine generator
[NASA-CASE-LAR-11389-1] c 33 N77-26387

Speech analyzer
[NASA-CASE-GSC-11898-1] c 32 N77-30309

Power factor control system for ac induction motors
[NASA-CASE-MFS-23988-1] c 33 N81-27395

PULSE AMPLITUDE MODULATION
Signal ratio system utilizing voltage controlled oscillators Patent
[NASA-CASE-XMF-04367] c 09 N71-23545

Pulse switching for high energy lasers
[NASA-CASE-NPO-14556-1] c 33 N82-24418

PULSE CODE MODULATION
Adaptive compression of communication signals Patent
[NASA-CASE-XLA-03076] c 07 N71-11266

Bi-polar phase detector and corrector for split phase PCM data signals Patent
[NASA-CASE-XGS-01590] c 07 N71-12392

System for recording and reproducing pulse code modulated data Patent
[NASA-CASE-XGS-01021] c 08 N71-21042

Frequency shift keying apparatus Patent
[NASA-CASE-XGS-01537] c 07 N71-23405

Data compression system
[NASA-CASE-NPO-11243] c 07 N72-20154

- Method and apparatus for frequency-division multiplex communications by digital phase shift of carrier
[NASA-CASE-NPO-11338] c 08 N72-25208
- Apparatus for deriving synchronizing pulses from pulses in a single channel PCM communications system
[NASA-CASE-NPO-11302-1] c 07 N73-13149
- Method and apparatus for a single channel digital communications system --- synchronization of received PCM signal by digital correlation with reference signal
[NASA-CASE-NPO-11302-2] c 32 N74-10132
- Multifunction audio digitizer --- producing direct delta and pulse code modulation
[NASA-CASE-MSC-13855-1] c 35 N74-17885
- Pulse code modulated signal synchronizer
[NASA-CASE-MSC-12462-1] c 32 N74-20809
- Pulse code modulated signal synchronizer
[NASA-CASE-MSC-12494-1] c 32 N74-20810
- Digital transmitter for data bus communications system
[NASA-CASE-MSC-14558-1] c 32 N75-21486
- Compact bi-phase pulse coded modulation decoder
[NASA-CASE-KSC-10834-1] c 33 N76-14371
- Low distortion receiver for bi-level baseband PCM waveforms
[NASA-CASE-MSC-14557-1] c 32 N76-16249
- Differential pulse code modulation
[NASA-CASE-MSC-12506-1] c 32 N77-12239
- Digital demodulator
[NASA-CASE-LAR-12659-1] c 33 N82-26570
- PULSE COMMUNICATION**
- Phase-shift data transmission system having a pseudo-noise SYNC code modulated with the data in a single channel Patent
[NASA-CASE-XNP-00911] c 08 N70-41961
- Differential pulse code modulation
[NASA-CASE-MSC-12506-1] c 32 N77-12239
- Memory-based frame synchronizer --- for digital communication systems
[NASA-CASE-GSC-12430-1] c 60 N82-16747
- PULSE DURATION**
- Frequency to analog converter Patent
[NASA-CASE-XNP-07040] c 08 N71-12500
- Pulse amplitude and width detector Patent
[NASA-CASE-XMF-06519] c 09 N71-12519
- Variable pulse width multiplier Patent
[NASA-CASE-XLA-02850] c 09 N71-20447
- Pulse width inverter Patent
[NASA-CASE-MFS-10068] c 10 N71-25139
- Multivibrator circuit with means to prevent false triggering from supply voltage fluctuations Patent
[NASA-CASE-ARC-10137-1] c 09 N71-28468
- Pulse stretcher for narrow pulses
[NASA-CASE-MSC-14130-1] c 33 N74-32711
- PULSE DURATION MODULATION**
- Pulse-width modulation multiplier Patent
[NASA-CASE-XER-09213] c 07 N71-12390
- Variable duration pulse integrator Patent
[NASA-CASE-XLA-01219] c 10 N71-23084
- Transistor servo system including a unique differential amplifier circuit Patent
[NASA-CASE-XMF-05195] c 10 N71-24861
- Control apparatus for applying pulses of selectively predetermined duration to a sequence of loads Patent
[NASA-CASE-XGS-04224] c 10 N71-26418
- Monostable multivibrator with complementary NOR gates Patent
[NASA-CASE-MSC-13492-1] c 10 N71-28860
- Load current sensor for a series pulse width modulated power supply
[NASA-CASE-GSC-10656-1] c 09 N72-25249
- Buck/boost regulator
[NASA-CASE-GSC-12360-1] c 33 N81-19392
- PULSE FREQUENCY MODULATION**
- Apparatus for measuring current flow Patent
[NASA-CASE-XGS-02439] c 14 N71-19431
- Digitally controlled frequency synthesizer Patent
[NASA-CASE-XGS-02317] c 09 N71-23525
- Noninterruptable digital counting system Patent
[NASA-CASE-XNP-09759] c 08 N71-24891
- Frequency modulation demodulator threshold extension device Patent
[NASA-CASE-MSC-12165-1] c 07 N71-33696
- Versatile LDV burst simulator
[NASA-CASE-LAR-11859-1] c 35 N79-14349
- PULSE GENERATORS**
- High voltage pulse generator Patent
[NASA-CASE-MSC-12178-1] c 09 N71-13518
- Flipflop interrogator and bi-polar current driver Patent
[NASA-CASE-XGS-03058] c 10 N71-19547
- Pulse modulator providing fast rise and fall times Patent
[NASA-CASE-XMS-04919] c 09 N71-23270
- Passive synchronized spike generator with high input impedance and low output impedance and capacitor power supply Patent
[NASA-CASE-XGS-03632] c 09 N71-23311
- Resettable monostable pulse generator Patent
[NASA-CASE-GSC-11139] c 09 N71-27016
- Pulse generating circuit employing switch means on ends of delay line for alternately charging and discharging same Patent
[NASA-CASE-XNP-00745] c 10 N71-28960
- Pulse coupling circuit
[NASA-CASE-LEW-10433-1] c 09 N72-22197
- Method and apparatus for nondestructive testing --- using high frequency arc discharges
[NASA-CASE-MFS-21233-1] c 38 N74-15395
- Random pulse generator
[NASA-CASE-MSC-14131-1] c 33 N75-19515
- Ranging system --- industrial robotics
[NASA-CASE-NPO-15865-1] c 74 N83-12991
- Active lamp pulse driver circuit --- optical pumping of laser media
[NASA-CASE-GSC-12566-1] c 33 N83-34189
- PULSE HEATING**
- Instrumentation for sensing moisture content of material using a transient thermal pulse
[NASA-CASE-NPO-15494-1] c 35 N82-25484
- PULSE RATE**
- Counter Patent
[NASA-CASE-XNP-06234] c 10 N71-27137
- Peak holding circuit for extremely narrow pulses
[NASA-CASE-MSC-14129-1] c 33 N75-18479
- Pulse transducer with artifact signal attenuator --- heart rate sensors
[NASA-CASE-FRC-11012-1] c 52 N80-23969
- PULSED LASERS**
- Repetitively pulsed, wavelength selective laser Patent
[NASA-CASE-ERC-10178] c 16 N71-24832
- Dually mode locked Nd YAG laser
[NASA-CASE-GSC-11746-1] c 36 N75-19654
- Isotope separation using metallic vapor lasers
[NASA-CASE-NPO-13550-1] c 36 N77-26477
- Double-beam optical method and apparatus for measuring thermal diffusivity and other molecular dynamic processes in utilizing the transient thermal lens effect
[NASA-CASE-NPO-14657-1] c 74 N81-17887
- Method of and apparatus for double-exposure holographic interferometry
[NASA-CASE-MFS-25405-1] c 35 N81-27459
- Pulse switching for high energy lasers
[NASA-CASE-NPO-14556-1] c 33 N82-24418
- Coherently pulsed laser source
[NASA-CASE-NPO-15111-1] c 36 N82-29589
- Active lamp pulse driver circuit --- optical pumping of laser media
[NASA-CASE-GSC-12566-1] c 33 N83-34189
- PULSED RADIATION**
- Cyclically operable optical shutter
[NASA-CASE-NPO-10758] c 14 N73-14427
- PULSES**
- High pulse rate high resolution optical radar system
[NASA-CASE-NPO-11426] c 07 N73-26119
- PUMP SEALS**
- Fluid impervious barrier including liquid metal alloy and method of making same Patent
[NASA-CASE-XNP-08881] c 17 N71-28747
- Spiral groove seal --- for hydraulic rotating shaft
[NASA-CASE-LEW-10326-3] c 37 N74-10474
- PUMPS**
- Piezoelectric pump Patent
[NASA-CASE-XNP-05429] c 26 N71-21824
- Vapor liquid separator Patent
[NASA-CASE-XMF-04042] c 15 N71-23023
- Automatic pump Patent
[NASA-CASE-XNP-04731] c 15 N71-24042
- Hydraulic transformer Patent
[NASA-CASE-MFS-20830] c 15 N71-30028
- Firefly pump-metering system
[NASA-CASE-GSC-10218-1] c 15 N72-21465
- Magnetocaloric pump --- for cryogenic fluids
[NASA-CASE-LEW-11672-1] c 37 N74-27904
- Continuous coal processing method
[NASA-CASE-NPO-13758-2] c 31 N81-15154
- Gas-to-hydraulic power converter
[NASA-CASE-MSC-18794-1] c 44 N83-14693
- Fluid driven sump pump
[NASA-CASE-ARC-11414-1] c 37 N83-20152
- Variable speed drive
[NASA-CASE-GSC-12643-1] c 37 N83-26078
- PUNCHED CARDS**
- File card marker Patent
[NASA-CASE-XLA-02705] c 08 N71-15908
- Device for handling printed circuit cards Patent
[NASA-CASE-MFS-20453] c 15 N71-29133
- PUNCHES**
- Convoluting device for forming convolutions and the like Patent
[NASA-CASE-XNP-05297] c 15 N71-23811
- PURGING**
- Techniques for insulating cryogenic fuel containers Patent
[NASA-CASE-XLA-01967] c 31 N70-42015
- High pressure gas filter system Patent
[NASA-CASE-MFS-12806] c 14 N71-17588
- Apparatus for purging systems handling toxic, corrosive, noxious and other fluids Patent
[NASA-CASE-XMS-01905] c 12 N71-21089
- Purge device for thrust engines Patent
[NASA-CASE-XMS-04826] c 28 N71-28849
- Purging means and method for Xenon arc lamps
[NASA-CASE-NPO-11978] c 31 N78-17238
- PURIFICATION**
- High pressure helium purifier Patent
[NASA-CASE-XMF-06888] c 15 N71-24044
- Method and apparatus for distillation of liquids Patent
[NASA-CASE-XNP-08124] c 15 N71-27184
- Targets for producing high purity I-123
[NASA-CASE-LEW-10518-3] c 25 N78-27226
- Process for purification of waste water produced by a Kraft process pulp and paper mill
[NASA-CASE-NPO-13847-2] c 85 N79-17747
- Method of purifying metallurgical grade silicon employing reduced pressure atmospheric control
[NASA-CASE-NPO-14474-1] c 26 N80-14229
- Membrane consisting of polyquaternary amine ion exchange polymer network interpenetrating the chains of thermoplastic matrix polymer
[NASA-CASE-NPO-14001-1] c 27 N81-14076
- Electromigration process for the purification of molten silicon during crystal growth
[NASA-CASE-NPO-14831-1] c 76 N82-30105
- PURITY**
- Process for preparation of dianilinosilanes Patent
[NASA-CASE-XMF-06409] c 06 N71-23230
- Method for growing low defect, high purity crystalline layers --- photovoltaic cells
[NASA-CASE-NPO-15113-1] c 76 N83-30269
- PUSH-PULL AMPLIFIERS**
- Frequency modulated oscillator
[NASA-CASE-MFS-23181-1] c 33 N77-17351
- Low current linearization of magnetic amplifier for dc transducer
[NASA-CASE-NPO-14617-1] c 33 N81-24338
- Push-pull converter with energy saving circuit for protecting switching transistors from peak power stress
[NASA-CASE-NPO-14316-1] c 33 N81-33404
- PYLONS**
- Decoupler pylon wing/store flutter suppressor
[NASA-CASE-LAR-12468-1] c 08 N82-32373
- PYRIDINES**
- Nuclear alkylated pyridine aldehyde polymers and conductive compositions thereof
[NASA-CASE-NPO-10557] c 27 N78-17214
- PYROELECTRICITY**
- Pyroelectric detector arrays
[NASA-CASE-LAR-12363-1] c 35 N82-31659
- Pyroelectric detector arrays
[NASA-CASE-LAR-12363-2] c 33 N83-24763
- PYROGEN**
- Molded composite pyrogen igniter for rocket motors --- solid propellant ignition
[NASA-CASE-LAR-12018-1] c 20 N78-24275
- PYROLYSIS**
- Molten salt pyrolysis of latex --- synthetic hydrocarbon fuel production using the Guayule shrub
[NASA-CASE-NPO-14315-1] c 27 N81-17261
- Thermal reactor --- liquid silicon production from silane gas
[NASA-CASE-NPO-14369-1] c 44 N83-10501
- PYROLYTIC GRAPHITE**
- Multislut film cooled pyrolytic graphite rocket nozzle Patent
[NASA-CASE-XNP-04389] c 28 N71-20942
- Ion beam textured graphite electrode plates --- high efficiency electron tube devices
[NASA-CASE-LEW-12919-2] c 24 N82-26386
- Ion sputter textured graphite --- anode collector plates in electron tube devices
[NASA-CASE-LEW-12919-1] c 24 N83-10117
- PYROLYTIC MATERIALS**
- Ablation structures Patent
[NASA-CASE-XMS-01816] c 33 N71-15623
- PYROMETERS**
- Ablation sensor
[NASA-CASE-XLA-01781] c 14 N69-39975
- PYROTECHNICS**
- Disconnect unit
[NASA-CASE-NPO-11330] c 33 N73-26958
- PYRRONES (TRADEMARK)**
- Method for forming pyrrone molding powders and products of said method
[NASA-CASE-LAR-10423-1] c 23 N82-29358

Q

Q SWITCHED LASERS

- Optically detonated explosive device
[NASA-CASE-NPO-11743-1] c 28 N74-27425
- Spatial filter for Q-switched lasers
[NASA-CASE-LEW-12164-1] c 36 N77-32478
- Laser resonator
[NASA-CASE-GSC-12565-1] c 36 N82-24485

Q VALUES

- Active RC networks
[NASA-CASE-ARC-10042-2] c 10 N72-11256

QUADRATIC PROGRAMMING

- Quadrature demodulation
[NASA-CASE-GSC-12137-1] c 33 N78-32338

QUADRATURES

- Automatic quadrature control and measuring system — using optical coupling circuitry
[NASA-CASE-MFS-21680-1] c 35 N74-21017

QUALITATIVE ANALYSIS

- Ultraviolet atomic emission detector
[NASA-CASE-HQN-10756-1] c 14 N72-25428
- Analysis of volatile organic compounds — trace amounts of organic volatiles in gas samples
[NASA-CASE-MSC-14428-1] c 23 N77-17161
- Fluid sample collection and distribution system — qualitative analysis of aqueous samples from several points
[NASA-CASE-MSC-16841-1] c 34 N79-24285

QUALITY CONTROL

- Insulation bonding test system
[NASA-CASE-MFS-25862-1] c 27 N83-19903

QUANTITATIVE ANALYSIS

- Fluid phase analyzer Patent
[NASA-CASE-NPO-10691] c 14 N71-26199
- Apparatus for detecting the amount of material in a resonant cavity container Patent
[NASA-CASE-XNP-02500] c 18 N71-27397
- Ultraviolet atomic emission detector
[NASA-CASE-HQN-10756-1] c 14 N72-25428
- Nondispersive gas analyzing method and apparatus wherein radiation is serially passed through a reference and unknown gas
[NASA-CASE-ARC-10308-1] c 06 N72-31141
- Analysis of volatile organic compounds — trace amounts of organic volatiles in gas samples
[NASA-CASE-MSC-14428-1] c 23 N77-17161
- Electrophoretic oxidation system for measurement of organic concentration in water
[NASA-CASE-MSC-16497-1] c 25 N82-12166
- Method for detecting coliform organisms
[NASA-CASE-ARC-11322-1] c 51 N83-28849

QUANTUM THEORY

- III-V photocathode with nitrogen doping for increased quantum efficiency
[NASA-CASE-NPO-12134-1] c 33 N76-31409

QUARTZ

- Ultraviolet filter
[NASA-CASE-XNP-02340] c 23 N69-24332
- Method for attaching a fused-quartz mirror to a conductive metal substrate
[NASA-CASE-MFS-23405-1] c 26 N77-29260
- Quartz ball valve
[NASA-CASE-NPO-14473-1] c 37 N80-23654
- Ampoule sealing apparatus and process — for housing a semiconductor growth charge under vacuum
[NASA-CASE-LAR-12847-1] c 33 N83-16633

QUARTZ LAMPS

- High intensity heat and light unit Patent
[NASA-CASE-XLA-00141] c 09 N70-33312
- Light shield and cooling apparatus — high intensity ultraviolet lamp
[NASA-CASE-LAR-10089-1] c 34 N74-23066

QUINOXALINES

- Polyphenylquinoxalines containing pendant phenylethynyl and ethynyl groups — for thermoplastic resins
[NASA-CASE-LAR-12838-1] c 27 N83-34040

R

RACKS (FRAMES)

- Test stand system for vacuum chambers
[NASA-CASE-MFS-21362] c 11 N73-20267
- Thrust-isolating mounting — characteristics of support for loads mounted in spacecraft
[NASA-CASE-MFS-21680-1] c 18 N74-27397
- Automated syringe sampler — remote sampling of air and water
[NASA-CASE-LAR-12308-1] c 35 N81-29407

RADAR ANTENNAS

- Radar antenna system for acquisition and tracking Patent
[NASA-CASE-XMS-09610] c 07 N71-24625

Variable beamwidth antenna — with multiple beam, variable feed system
[NASA-CASE-GSC-11862-1] c 32 N76-18295

Highly efficient antenna system using a corrugated horn and scanning hyperbolic reflector
[NASA-CASE-NPO-13568-1] c 32 N76-21365

Baseband signal combiner for large aperture antenna array
[NASA-CASE-NPO-14841-1] c 32 N81-29308

RADAR ATTENUATION

FM/CW radar system
[NASA-CASE-MFS-22234-1] c 32 N79-10264

RADAR DATA

Charge-coupled device data processor for an airborne imaging radar system
[NASA-CASE-NPO-13587-1] c 32 N77-32342

RADAR ECHOES

Charge-coupled device data processor for an airborne imaging radar system
[NASA-CASE-NPO-13587-1] c 32 N77-32342

RADAR EQUIPMENT

Method and apparatus for mapping planets
[NASA-CASE-NPO-11001] c 07 N72-21118

FM/CW radar system
[NASA-CASE-MFS-22234-1] c 32 N79-10264

RADAR IMAGERY

Method of locating persons in distress — by using radar imagery from radar reflectors
[NASA-CASE-LAR-11390-1] c 32 N77-21267

Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths
[NASA-CASE-NPO-14525-1] c 32 N79-19195

Radar target for remotely sensing hydrological phenomena
[NASA-CASE-LAR-12344-1] c 43 N80-18498

Real-time multiple-look synthetic aperture radar processor for spacecraft applications
[NASA-CASE-NPO-14054-1] c 32 N82-12297

Clutter free synthetic aperture radar correlator
[NASA-CASE-NPO-14035-1] c 32 N83-19968

Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths
[NASA-CASE-NPO-14525-2] c 32 N83-31918

RADAR MEASUREMENT

Thickness measurement system
[NASA-CASE-MFS-23721-1] c 31 N79-28370

RADAR RANGE

Radar ranging receiver Patent
[NASA-CASE-XNP-00748] c 07 N70-36911

RADAR RECEIVERS

Polarization diversity monopulse tracking receiver Patent
[NASA-CASE-XGS-03501] c 09 N71-20884

Wideband passive synthetic-aperture multichannel receiver
[NASA-CASE-NPO-15651-1] c 32 N82-26523

RADAR RECEPTION

Radar ranging receiver Patent
[NASA-CASE-XNP-00748] c 07 N70-36911

RADAR REFLECTORS

Inflatable radar reflector unit Patent
[NASA-CASE-XMS-00893] c 07 N70-40063

Method of locating persons in distress — by using radar imagery from radar reflectors
[NASA-CASE-LAR-11390-1] c 32 N77-21267

RADAR TARGETS

Radar target for remotely sensing hydrological phenomena
[NASA-CASE-LAR-12344-1] c 43 N80-18498

Synthetic aperture radar target simulator
[NASA-CASE-NPO-15024-1] c 32 N82-10286

RADAR TRACKING

Tracking antenna system Patent
[NASA-CASE-GSC-10553-1] c 07 N71-19854

Polarization diversity monopulse tracking receiver Patent
[NASA-CASE-XGS-03501] c 09 N71-20884

Monopulse tracking system Patent
[NASA-CASE-XGS-01155] c 10 N71-21483

Radar calibration sphere
[NASA-CASE-XLA-11154] c 07 N72-21117

Echo tracker/range finder for radars and sonars
[NASA-CASE-NPO-14361-1] c 32 N82-23376

RADAR TRANSMITTERS

High pulse rate high resolution optical radar system
[NASA-CASE-NPO-11426] c 07 N73-26119

RADIAL DISTRIBUTION

Ultrasonic transducer with Gaussian radial pressure distribution
[NASA-CASE-LAR-12967-1] c 35 N83-12397

Method of preparing radially homogeneous mercury cadmium telluride crystals
[NASA-CASE-MFS-25786-1] c 76 N83-18533

RADIAL FLOW

Radial heat flux transformer
[NASA-CASE-NPO-10828] c 33 N72-17948

Axially and radially controllable magnetic bearing
[NASA-CASE-GSC-11551-1] c 37 N76-18459

RADIANCE

Shock-layer radiation measurement
[NASA-CASE-XAC-02970] c 14 N69-39896

RADIANT COOLING

Direct radiation cooling of the collector of linear beam tubes
[NASA-CASE-XNP-09227] c 15 N69-24319

Process for applying black coating to metals Patent
[NASA-CASE-XLA-06189] c 15 N71-24875

Method for attaching a fused-quartz mirror to a conductive metal substrate
[NASA-CASE-MFS-23405-1] c 26 N77-29260

Radiative cooler
[NASA-CASE-NPO-15465-1] c 18 N82-10106

RADIANT FLUX DENSITY

High intensity radiant energy pulse source having means for opening shutter when light flux has reached a desired level
[NASA-CASE-ARC-10178-1] c 09 N72-17152

Microwave power transmission beam safety system
[NASA-CASE-NPO-14224-1] c 33 N80-18287

RADIANT HEATING

High intensity heat and light unit Patent
[NASA-CASE-XLA-00141] c 09 N70-33312

High temperature heat source Patent
[NASA-CASE-XLE-00490] c 33 N70-34545

Radiant heater having formed filaments Patent
[NASA-CASE-XLE-00387] c 33 N70-34812

Ceramic insulation for radiant heating environments and method of preparing the same Patent
[NASA-CASE-MFS-14253] c 33 N71-24858

Portable linear-focused solar thermal energy collecting system
[NASA-CASE-NPO-13734-1] c 44 N78-10554

High thermal power density heat transfer — thermionic converters
[NASA-CASE-LEW-12950-1] c 34 N82-11399

RADIATION

Two color horizon sensor
[NASA-CASE-ERC-10174] c 14 N72-25409

Irradiance measuring device
[NASA-CASE-NPO-11493] c 14 N73-12447

Analog to digital converter for two-dimensional radiant energy array computers
[NASA-CASE-GSC-11839-3] c 60 N77-32731

Memory device for two-dimensional radiant energy array computers
[NASA-CASE-GSC-11839-2] c 60 N78-10709

RADIATION ABSORPTION

NDIR gas analyzer based on absorption modulation ratios for known and unknown samples
[NASA-CASE-ARC-10802-1] c 35 N75-30502

Method for making an aluminum or copper substrate panel for selective absorption of solar energy
[NASA-CASE-MFS-23518-1] c 44 N79-11469

Broadband optical radiation detector
[US-PATENT-4,262,198] c 74 N83-19597

RADIATION COUNTERS

Particle detection apparatus Patent
[NASA-CASE-XLA-00135] c 14 N70-33322

Method and apparatus for determining satellite orientation utilizing spatial energy sources Patent
[NASA-CASE-XGS-00466] c 21 N70-34297

Particle beam measurement apparatus using beam kinetic energy to change the heat sensitive resistance of the detection probe Patent
[NASA-CASE-XLE-00243] c 14 N70-38602

Baseline stabilization system for ionization detector Patent
[NASA-CASE-XNP-03128] c 10 N70-41991

Method of forming thin window drifted silicon charged particle detector Patent
[NASA-CASE-XLE-00808] c 24 N71-10560

Dosimeter for high levels of absorbed radiation Patent
[NASA-CASE-XLA-03645] c 14 N71-20430

Coincidence apparatus for detecting particles
[NASA-CASE-XLA-07813] c 14 N72-17328

Radiation and particle detector and amplifier
[NASA-CASE-NPO-12128-1] c 14 N73-32317

Coaxial anode wire for gas radiation counters
[NASA-CASE-GSC-11492-1] c 35 N74-26949

Particle parameter analyzing system — x-y plotter circuits and display
[NASA-CASE-XLE-06094] c 33 N78-17293

Method and means for helium/hydrogen ratio measurement by alpha scattering
[NASA-CASE-NPO-14079-1] c 25 N80-20334

Ion mass spectrometer — exploring comet tails
[NASA-CASE-NPO-15423-1] c 91 N82-25042

A radionuclide counting technique for measuring wind velocity and direction
[NASA-CASE-LAR-12971-1] c 47 N83-14863

SUBJECT INDEX

Cerenkov radiator material and charged particle detection process
[NASA-CASE-GSC-12805-1] c 72 N83-18423

RADIATION DAMAGE
Semiconductor material and method of making same Patent
[NASA-CASE-XLE-02798] c 26 N71-23654
Recovery of radiation damaged solar cells through thermal annealing
[NASA-CASE-XGS-04047-2] c 03 N72-11062
Photomultiplier circuit including means for rapidly reducing the sensitivity thereof — and protection from radiation damage
[NASA-CASE-ARC-10593-1] c 33 N74-27682

RADIATION DETECTORS
Penetrating radiation system for detecting the amount of liquid in a tank Patent
[NASA-CASE-MSC-12280] c 27 N71-16348
Light detection instrument Patent
[NASA-CASE-XGS-05534] c 23 N71-16355
Altitude sensor for space vehicles Patent
[NASA-CASE-XLA-00793] c 21 N71-22880
Extended area semiconductor radiation detectors and a novel readout arrangement Patent
[NASA-CASE-XGS-03230] c 14 N71-23401
Nondispersive gas analyzing method and apparatus wherein radiation is serially passed through a reference and unknown gas
[NASA-CASE-ARC-10308-1] c 06 N72-31141
Radiant source tracker independent of nonconstant irradiance
[NASA-CASE-NPO-11686] c 14 N73-25462
Radiation and particle detector and amplifier
[NASA-CASE-NPO-12128-1] c 14 N73-32317
Mossbauer spectrometer radiation detector
[NASA-CASE-LAR-11155-1] c 35 N74-15091
High field CdS detector for infrared radiation
[NASA-CASE-LAR-11027-1] c 35 N74-18088
Flame detector operable in presence of proton radiation
[NASA-CASE-MFS-21577-1] c 19 N74-29410
Wide angle sun sensor — consisting of cylinder, insulation and pair of detectors
[NASA-CASE-NPO-13327-1] c 35 N75-23910
Detector absorptivity measuring method and apparatus
[NASA-CASE-LAR-10907-1] c 35 N76-29551
Wedge immersed thermistor bolometers
[NASA-CASE-XGS-01245-1] c 35 N79-33449
X-ray position detector
[NASA-CASE-NPO-12087-1] c 74 N81-19898
Means and method for calibrating a photon detector utilizing electron-photon coincidence
[NASA-CASE-NPO-15644-1] c 72 N82-24953
Broadband optical radiation detector
[US-PATENT-4,262,198] c 74 N83-19597
Miniature spectrally selective dosimeter
[NASA-CASE-LAR-12469-1] c 35 N83-21311

RADIATION DISTRIBUTION
Space simulator Patent
[NASA-CASE-XNP-00459] c 11 N70-38675

RADIATION DOSAGE
Dosimeter for high levels of absorbed radiation Patent
[NASA-CASE-XLA-03645] c 14 N71-20430
Method for analyzing radiation sensitivity of integrated circuits
[NASA-CASE-NPO-14350-1] c 33 N80-14332
Miniature spectrally selective dosimeter
[NASA-CASE-LAR-12469-1] c 35 N83-21311

RADIATION EFFECTS
Method of temperature compensating semiconductor strain gages Patent
[NASA-CASE-XLA-04555-1] c 14 N71-25892

RADIATION HARDENING
Radiation hardening of MOS devices by boron — for stabilizing gate threshold potential of field effect device
[NASA-CASE-GSC-11425-1] c 76 N74-20329

RADIATION HAZARDS
Miniature spectrally selective dosimeter
[NASA-CASE-LAR-12469-1] c 35 N83-21311

RADIATION MEASUREMENT
Irradiance measuring device
[NASA-CASE-NPO-11493] c 14 N73-12447

RADIATION MEASURING INSTRUMENTS
Scanning aspect sensor employing an apertured disc and a commutator
[NASA-CASE-XGS-08268] c 14 N69-27432
Infrared scanner Patent
[NASA-CASE-XLA-00120] c 21 N70-33181
Instrument for the quantitative measurement of radiation at multiple wave lengths Patent
[NASA-CASE-XLE-00011] c 14 N70-41946
Method for improving the signal-to-noise ratio of the Wheatstone bridge type bolometer Patent
[NASA-CASE-XLA-02810] c 14 N71-25901

Irradiance measuring device
[NASA-CASE-NPO-11493] c 14 N73-12447

Phototransistor
[NASA-CASE-MFS-20407] c 09 N73-19235
Method and apparatus for measuring electromagnetic radiation
[NASA-CASE-LEW-11159-1] c 14 N73-28488
Compton scatter attenuation gamma ray spectrometer
[NASA-CASE-MFS-21441-1] c 14 N73-30392
Coaxial anode wire for gas radiation counters
[NASA-CASE-GSC-11492-1] c 35 N74-26949
Cloud cover sensor
[NASA-CASE-NPO-14936-1] c 47 N83-32232

RADIATION MEDICINE
Method of producing I-123 — by bombardment of cesium causing spallation
[NASA-CASE-LEW-11390-2] c 25 N76-27383

RADIATION PROTECTION
Method and construction for protecting heat sensitive bodies from thermal radiation and convective heat Patent
[NASA-CASE-XNP-01310] c 33 N71-28852
Laser coolant and ultraviolet filter
[NASA-CASE-MFS-20180] c 16 N72-12440
Photomultiplier circuit including means for rapidly reducing the sensitivity thereof — and protection from radiation damage
[NASA-CASE-ARC-10593-1] c 33 N74-27682

RADIATION SHIELDING
Ion thruster cathode Patent Application
[NASA-CASE-LEW-10814-1] c 28 N70-35422
Ionization vacuum gauge with all but the end of the ion collector shielded Patent
[NASA-CASE-XLA-07424] c 14 N71-18482
Sealed cabinetry Patent
[NASA-CASE-MSC-12168-1] c 09 N71-18600
Propellant feed isolator Patent
[NASA-CASE-LEW-10210-1] c 28 N71-26781
Zero gravity shadow shield aligner
[NASA-CASE-KSC-10622-1] c 31 N72-21893
Light shield and cooling apparatus — high intensity ultraviolet lamp
[NASA-CASE-LAR-10089-1] c 34 N74-23066
Saltless solar pond
[NASA-CASE-NPO-15808-1] c 44 N82-29714

RADIATION SOURCES
Sight switch using an infrared source and sensor Patent
[NASA-CASE-XMF-03934] c 09 N71-22985
Apparatus for obtaining isotropic irradiation of a specimen
[NASA-CASE-MFS-20095] c 24 N72-11595
Radiant source tracker independent of nonconstant irradiance
[NASA-CASE-NPO-11686] c 14 N73-25462
High powered arc electrodes — producing solar simulator radiation
[NASA-CASE-LEW-11162-1] c 33 N74-12913
Electric arc light source having undercut recessed anode
[NASA-CASE-ARC-10266-1] c 33 N75-29318

RADIATION SPECTRA
Maksutov spectrograph Patent
[NASA-CASE-XLA-10402] c 14 N71-29041

RADIATION THERAPY
Cervix-to-rectum measuring device in a radiation applicator for use in the treatment of cervical cancer
[NASA-CASE-GSC-12081-2] c 52 N82-22875

RADIATION TOLERANCE
Alkali-metal silicate protective coating
[NASA-CASE-XGS-04119] c 18 N69-39979
Method of making a silicon semiconductor device Patent
[NASA-CASE-XLE-02792] c 26 N71-10607
Radiation resistant silicon semiconductor devices Patent
[NASA-CASE-XGS-07801] c 09 N71-12513
Radiation hardening of MOS devices by boron — for stabilizing gate threshold potential
[NASA-CASE-GSC-11425-2] c 76 N75-25730
Method for analyzing radiation sensitivity of integrated circuits
[NASA-CASE-NPO-14350-1] c 33 N80-14332

RADIATIVE HEAT TRANSFER
Heat flux sensor assembly
[NASA-CASE-XMS-05909-1] c 14 N69-27459
Capillary radiator Patent
[NASA-CASE-XLE-03307] c 33 N71-14035
Transient heat transfer gauge Patent
[NASA-CASE-XNP-09802] c 33 N71-15641
Construction and method of arranging a plurality of van engines to form a cluster Patent
[NASA-CASE-XNP-02923] c 28 N71-23081
Radiative cooler
[NASA-CASE-NPO-15465-1] c 18 N82-10106

RADIO FREQUENCY INTERFERENCE

Apparatus and method for heating a material in a transparent ampoule — crystal growth
[NASA-CASE-MFS-25436-1] c 27 N83-36220

RADIATORS
Self-adjusting multisegment, deployable, natural circulation radiator Patent
[NASA-CASE-XHQ-03673] c 33 N71-29046

RADIO ANTENNAS
Parasitic probe antenna Patent
[NASA-CASE-XKS-09348] c 09 N71-13521
VHF/UHF parasitic probe antenna Patent
[NASA-CASE-XKS-09340] c 07 N71-24614
Unfurlable structure including coiled strips thrust launched upon tension release Patent
[NASA-CASE-HQN-00937] c 07 N71-28979
Highly efficient antenna system using a corrugated horn and scanning hyperbolic reflector
[NASA-CASE-NPO-13568-1] c 32 N76-21365

RADIO ASTRONOMY
Millimeter wave radiometer for radio astronomy Patent
[NASA-CASE-NPO-09832] c 30 N71-23723

RADIO BEACONS
RF beam center location method and apparatus for power transmission system
[NASA-CASE-NPO-13821-1] c 44 N78-28594

RADIO COMMUNICATION
System for synchronizing synthesizers of communication systems
[NASA-CASE-GSC-12148-1] c 32 N79-20296

RADIO CONTROL
RF controlled solid state switch
[NASA-CASE-ARC-10136-1] c 09 N72-22202

RADIO EQUIPMENT
System for synchronizing synthesizers of communication systems
[NASA-CASE-GSC-12148-1] c 32 N79-20296

RADIO FREQUENCIES
Helical coaxial resonator RF filter
[NASA-CASE-XGS-02816] c 07 N69-24323
Automatic gain control system
[NASA-CASE-XMS-05307] c 09 N69-24330
Radio frequency shielded enclosure Patent
[NASA-CASE-XMF-09422] c 07 N71-19436
Automatic frequency discriminators and control for a phase-lock loop providing frequency preset capabilities Patent
[NASA-CASE-XMF-08665] c 10 N71-19467
Sidereal frequency generator Patent
[NASA-CASE-XGS-02610] c 14 N71-23174
Radio frequency coaxial high pass filter Patent
[NASA-CASE-XGS-01418] c 09 N71-23573
Variable frequency nuclear magnetic resonance spectrometer Patent
[NASA-CASE-XNP-09830] c 14 N71-26266
Signal path series step biased multidevice high efficiency amplifier Patent
[NASA-CASE-GSC-10668-1] c 07 N71-28430
Method and apparatus for sputtering utilizing an apertured electrode and a pulsed substrate bias
[NASA-CASE-LEW-10920-1] c 17 N73-24569
RF-source resistance meters
[NASA-CASE-NPO-11291-1] c 14 N73-30388
Multichannel logarithmic RF level detector
[NASA-CASE-LAR-11021-1] c 32 N76-14321
Ion and electron detector for use in an ICR spectrometer
[NASA-CASE-NPO-13479-1] c 35 N77-10492
Radio frequency arraying method for receivers
[NASA-CASE-NPO-14328-1] c 32 N80-18253
Precise RF timing signal distribution to remote stations — fiber optics
[NASA-CASE-NPO-14749-1] c 32 N81-14186
High stability buffered phase comparator
[NASA-CASE-GSC-12645-1] c 33 N81-31482
Hyperthermia heating apparatus — cancer therapy
[NASA-CASE-NPO-14549-2] c 52 N82-33996

RADIO FREQUENCY DISCHARGE
Electric discharge for treatment of trace contaminants
[NASA-CASE-ARC-10975-1] c 33 N79-15245

RADIO FREQUENCY HEATING
Gyrotron transmitting tube
[NASA-CASE-LEW-13429-1] c 33 N83-31952

RADIO FREQUENCY INTERFERENCE
Parametric microwave noise generator Patent
[NASA-CASE-XER-11019] c 09 N71-23598
System for interference signal nulling by polarization adjustment
[NASA-CASE-NPO-13140-1] c 32 N75-24982
Systems and methods for determining radio frequency interference
[NASA-CASE-GSC-12150-1] c 32 N79-11265
Apparatus and method for determining the position of a radiant energy source
[NASA-CASE-GSC-12147-1] c 32 N81-27341

RADIO FREQUENCY SHIELDING

- Shielded cathode mode bulk effect devices
[NASA-CASE-ERC-10119] c 26 N72-21701
Process for making RF shielded cable connector assemblies and the products formed thereby
[NASA-CASE-GSC-11215-1] c 09 N73-28083

RADIO INTERFEROMETERS

- System for real-time crustal deformation monitoring
[NASA-CASE-NPO-14124-1] c 46 N80-14603

RADIO RECEIVERS

- Multiple input radio receiver Patent
[NASA-CASE-XLA-00901] c 07 N71-10775
Optimum predetection diversity receiving system Patent
[NASA-CASE-XGS-00740] c 07 N71-23098
Radio frequency arraying method for receivers
[NASA-CASE-NPO-14328-1] c 32 N80-18253
Interferometric locating system
[NASA-CASE-NPO-14173-1] c 04 N80-32359

RADIO RELAY SYSTEMS

- Satellite communication system Patent
[NASA-CASE-XNP-02389] c 07 N71-28900
Systems and methods for determining radio frequency interference
[NASA-CASE-GSC-12150-1] c 32 N79-11265
Beam forming network
[NASA-CASE-NPO-15743-1] c 32 N83-19969

RADIO SIGNALS

- Passive communication satellite Patent
[NASA-CASE-XLA-00210] c 30 N70-40309
Millimeter wave radiometer for radio astronomy Patent
[NASA-CASE-XNP-09832] c 30 N71-23723

RADIO SOURCES (ASTRONOMY)

- Conical scan tracking system employing a large antenna
[NASA-CASE-NPO-14009-1] c 32 N79-13214

RADIO STARS

- Sidereal frequency generator Patent
[NASA-CASE-XGS-02610] c 14 N71-23174

RADIO TELEMETRY

- Digital telemetry system Patent
[NASA-CASE-XGS-01812] c 07 N71-23001

RADIO TELESCOPES

- Antenna grout replacement system
[NASA-CASE-NPO-15202-1] c 27 N83-34043

RADIO TRANSMITTERS

- Vehicle locating system utilizing AM broadcasting station cameras
[NASA-CASE-NPO-13217-1] c 32 N75-26194
Aircraft-mounted crash-activated transmitter device
[NASA-CASE-MFS-16609-3] c 03 N76-32140
Low-frequency radio navigation system
[NASA-CASE-NPO-15264-1] c 04 N81-22036

RADIO WAVES

- Shielded cathode mode bulk effect devices
[NASA-CASE-ERC-10119] c 26 N72-21701

RADIOACTIVE ISOTOPES

- Thermally cascaded thermoelectric generator
[NASA-CASE-NPO-10753] c 03 N72-26031
Protected isotope heat source — for atmospheric reentry protection and heat transmission to spacecraft
[NASA-CASE-LEW-11227-1] c 73 N75-30876
A radionuclide counting technique for measuring wind velocity and direction
[NASA-CASE-LAR-12971-1] c 47 N83-14863

RADIOBIOLOGY

- Production of high purity I-123
[NASA-CASE-LEW-10518-1] c 24 N72-33681

RADIOGRAPHY

- Determination of spot weld quality Patent
[NASA-CASE-XNP-02588] c 15 N71-18613
Method and system for in vivo measurement of bone tissue using a two level energy source
[NASA-CASE-MSC-14276-1] c 52 N77-14737
Low X-ray absorption aneurism clips
[NASA-CASE-LAR-12650-1] c 52 N81-29768
X-ray determination of parts alignment
[NASA-CASE-MSC-20418-1] c 37 N83-17882

RADIOLOGY

- Hyperthermia heating apparatus — cancer therapy
[NASA-CASE-NPO-14549-2] c 52 N82-33996

RADIOLYSIS

- Process for making anhydrous metal halides
[NASA-CASE-LEW-11860-1] c 37 N76-18458

RADIOMETERS

- Compensating radiometer
[NASA-CASE-XLA-04556] c 14 N69-27484
Conically shaped cavity radiometer with a dual purpose cone winding Patent
[NASA-CASE-XNP-09701] c 14 N71-26475
Black body cavity radiometer Patent
[NASA-CASE-NPO-10810] c 14 N71-27323
Thermoelectric radiometer utilizing polymer film
[NASA-CASE-ARC-10138-1] c 14 N72-24477
Two color horizon sensor
[NASA-CASE-ERC-10174] c 14 N72-25409

- Clear air turbulence detector
[NASA-CASE-ERC-10081] c 14 N72-28437
Method and apparatus for measuring solar activity and atmospheric radiation effects
[NASA-CASE-ERC-10276] c 14 N73-26432
Steady state thermal radiometers
[NASA-CASE-MFS-21108-1] c 34 N74-27861
Method and apparatus for precision control of radiometer
[NASA-CASE-NPO-15398-1] c 35 N81-33449

RADIOSONDES

- Induction powered biological radiosonde
[NASA-CASE-ARC-11120-1] c 52 N80-18691

RAIN

- Precipitation detector Patent
[NASA-CASE-XLA-02619] c 10 N71-26334
Environmental fog/rain visual display system for aircraft simulators
[NASA-CASE-ARC-11158-1] c 09 N82-24212

RAMJET ENGINES

- Telescoping-spike supersonic inlet for aircraft engines Patent
[NASA-CASE-XLE-00005] c 28 N70-39899
Hypersonic airbreathing missile
[NASA-CASE-LAR-12264-1] c 15 N78-32168

RAMPS (STRUCTURES)

- Automated multi-level vehicle parking system
[NASA-CASE-NPO-13058-1] c 37 N77-22480

RANDOM ACCESS MEMORY

- Memory-based parallel data output controller
[NASA-CASE-GSC-12447-1] c 60 N80-21987
Memory-based frame synchronizer — for digital communication systems
[NASA-CASE-GSC-12430-1] c 60 N82-16747
Memory-based parallel data output controller
[NASA-CASE-GSC-12447-2] c 17 N83-29302

RANDOM LOADS

- Fatigue testing device Patent
[NASA-CASE-XLA-02131] c 32 N70-42003

RANDOM NOISE

- Noise limiter Patent
[NASA-CASE-NPO-10169] c 10 N71-24844
Digital servo control of random sound test excitation — in reverberant acoustic chamber
[NASA-CASE-NPO-11623-1] c 71 N74-31148
Random pulse generator
[NASA-CASE-MSC-14131-1] c 33 N75-19515
Pseudo noise code and data transmission method and apparatus
[NASA-CASE-GSC-12017-1] c 32 N77-30308

RANGE (EXTREMES)

- Logarithmic circuit with wide dynamic range
[NASA-CASE-GSC-12145-1] c 33 N78-32339

RANGE FINDERS

- Closed loop ranging system Patent
[NASA-CASE-XNP-01501] c 21 N70-41930
Digital demodulator-correlator
[NASA-CASE-NPO-13982-1] c 32 N79-14267
Doppler radar having phase modulation of both transmitted and reflected return signals — ranging
[NASA-CASE-MSC-18675-1] c 32 N81-29312
Echo tracker/range finder for radars and sonars
[NASA-CASE-NPO-14361-1] c 32 N82-23376

RANGEFINDING

- Dynamic Doppler simulator Patent
[NASA-CASE-XMS-05454-1] c 07 N71-12391
Ranging system Patent
[NASA-CASE-NPO-10068] c 09 N71-18598
Binary coded sequential acquisition ranging system
[NASA-CASE-NPO-11194] c 08 N72-25209
Code regenerative clean-up loop transponder for a mu-type ranging system
[NASA-CASE-NPO-11707] c 07 N73-25161
Orbital and entry tracking accessory for globes — to provide range requirements for reentry vehicles to any landing site
[NASA-CASE-LAR-10626-1] c 19 N74-21015
Optical distance measuring instrument
[NASA-CASE-12761-1] c 74 N83-13982

RARE EARTH COMPOUNDS

- Didymium hydrate additive to nickel hydroxide electrodes Patent
[NASA-CASE-XGS-03505] c 03 N71-10608
High modulus rare earth and beryllium containing silicate glass compositions — for glass reinforcing fibers
[NASA-CASE-HQN-10595-1] c 27 N82-29455

RARE GASES

- Inert gas metallic vapor laser
[NASA-CASE-NPO-13449-1] c 36 N75-32441
Low noise lead screw positioner
[NASA-CASE-NPO-15617-1] c 35 N82-33681

RAREFIED GASES

- Magnetically controlled plasma accelerator Patent
[NASA-CASE-XLA-00327] c 25 N71-29184

RATES (PER TIME)

- Rate data encoder
[NASA-CASE-LAR-10128-1] c 08 N73-20217
Method of and apparatus for generating an interstitial point in a data stream having an even number of data points
[NASA-CASE-MFS-25319-1] c 64 N83-12932

RC CIRCUITS

- Pulse counting circuit which simultaneously indicates the occurrence of the nth pulse Patent
[NASA-CASE-XMF-00906] c 09 N70-41655
RC rate generator for slow speed measurement Patent
[NASA-CASE-XMF-02966] c 10 N71-24863
Transient augmentation circuit for pulse amplifiers Patent
[NASA-CASE-XNP-01068] c 10 N71-28739
Active RC networks
[NASA-CASE-ARC-10042-2] c 10 N72-11256
RC networks and amplifiers employing the same
[NASA-CASE-XAC-05462-2] c 10 N72-17171
Active RC networks
[NASA-CASE-ARC-10020] c 10 N72-17172
Multiloop RC active filter apparatus having low parameter sensitivity with low amplifier gain
[NASA-CASE-ARC-10192] c 09 N72-21245
Temperature control system with a pulse width modulated bridge
[NASA-CASE-NPO-11304] c 14 N73-26430
Diode-quad bridge circuit means
[NASA-CASE-ARC-10364-3] c 33 N75-19520

REACTION CONTROL

- Voice operated controller Patent
[NASA-CASE-XLA-04063] c 31 N71-33160

REACTION KINETICS

- Synthesis of polyformals
[NASA-CASE-ARC-11244-1] c 23 N82-16174

REACTION TIME

- Pseudonoise code tracking loop
[NASA-CASE-MSC-18035-1] c 32 N81-15179

REACTION WHEELS

- Reaction wheel scanner Patent
[NASA-CASE-XGS-02629] c 14 N71-21082
Gravity gradient attitude control system Patent
[NASA-CASE-GSC-10555-1] c 21 N71-27324

REACTIVITY

- Gaseous control system for nuclear reactors
[NASA-CASE-XLE-04599] c 22 N72-20597

REACTOR CORES

- Uninsulated in-core thermionic diode
[NASA-CASE-NPO-10542] c 09 N72-27228

REACTOR DESIGN

- Non-equilibrium radiation nuclear reactor
[NASA-CASE-HQN-10841-1] c 73 N78-19920
Thermal reactor — liquid silicon production from silane gas
[NASA-CASE-NPO-14369-1] c 44 N83-10501

REACTOR MATERIALS

- Zirconium modified nickel-copper alloy
[NASA-CASE-LEW-12245-1] c 26 N77-20201

REACTOR PHYSICS

- Non-equilibrium radiation nuclear reactor
[NASA-CASE-HQN-10841-1] c 73 N78-19920

READOUT

- Flow angle sensor and read out system Patent
[NASA-CASE-XLE-04503] c 14 N71-24864
Plural position switch status and operativeness checker Patent
[NASA-CASE-XLA-08799] c 10 N71-27272
Magneto-optic detection system with noise cancellation
[NASA-CASE-NPO-11954-1] c 35 N78-29421

REAL TIME OPERATION

- Respiratory analysis system and method
[NASA-CASE-MSC-13436-1] c 05 N73-32015
Real time moving scene holographic camera system
[NASA-CASE-MFS-21087-1] c 35 N74-17153
Real time, large volume, moving scene holographic camera system
[NASA-CASE-MFS-22537-1] c 35 N75-27328
Carbon monoxide monitor — using real time operation
[NASA-CASE-MFS-22060-1] c 35 N75-29380
Real time analysis of voiced sounds
[NASA-CASE-NPO-13465-1] c 32 N76-31372
Real time reflectometer — measurement of specular reflectance
[NASA-CASE-MFS-23118-1] c 35 N77-31465
Contour detector and data acquisition system for the left ventricular outline
[NASA-CASE-ARC-10985-1] c 52 N79-10724
Azimuth correlator for real-time synthetic aperture radar image processing
[NASA-CASE-NPO-14019-1] c 32 N79-14268
System for real-time crustal deformation monitoring
[NASA-CASE-NPO-14124-1] c 46 N80-14603

- X-ray position detector
[NASA-CASE-NPO-12087-1] c 74 N81-19898
- Real-time multiple-look synthetic aperture radar processor for spacecraft applications
[NASA-CASE-NPO-14054-1] c 32 N82-12297
- Real time pressure signal system for a rotary engine
[NASA-CASE-LEW-13622-1] c 07 N82-26294
- Optical stereo video signal processor --- line of sight tracking
[NASA-CASE-MFS-25752-1] c 74 N83-21950
- REBREATHING**
Portable breathing system --- a breathing apparatus using a rebreathing system of heat exchangers for carbon dioxide removal
[NASA-CASE-MSC-16182-1] c 54 N80-10799
- RECEIVERS**
System for improving signal-to-noise ratio of a communication signal Patent Application
[NASA-CASE-MSC-12259-1] c 07 N70-12616
- Receiver with an improved phase lock loop in a multichannel telemetry system with suppressed carrier
[NASA-CASE-NPO-11593-1] c 07 N73-28012
- Automatic carrier acquisition system
[NASA-CASE-NPO-11628-1] c 07 N73-30113
- Coherent receiver employing nonlinear coherence detection for carrier tracking
[NASA-CASE-NPO-11921-1] c 32 N74-30523
- Low distortion receiver for bi-level baseband PCM waveforms
[NASA-CASE-MSC-14557-1] c 32 N76-16249
- Wideband heterodyne receiver for laser communication system
[NASA-CASE-GSC-12053-1] c 32 N77-28346
- Receiving and tracking phase modulated signals
[NASA-CASE-MSC-16170-2] c 32 N81-16338
- Self-calibrating threshold detector
[NASA-CASE-MSC-16370-1] c 35 N81-19427
- RECHARGING**
Hot melt recharge system
[NASA-CASE-LAR-12681-1] c 27 N82-26464
- RECONSTRUCTION**
Method and means for recording and reconstructing holograms without use of a reference beam Patent
[NASA-CASE-ERC-10020] c 16 N71-26154
- RECORDING HEADS**
Electromagnetic transducer recording head having a laminated core section and tapered gap
[NASA-CASE-NPO-10711-1] c 35 N77-21392
- RECORDING INSTRUMENTS**
Automatic force measuring system Patent
[NASA-CASE-XLA-02605] c 14 N71-10773
- Blood pressure measuring system for separating and separately recording dc signal and an ac signal Patent
[NASA-CASE-XMS-06061] c 05 N71-23317
- Helical recorder arrangement for multiple channel recording on both sides of the tape
[NASA-CASE-GSC-10614-1] c 09 N72-11224
- Thermomagnetic recording and magneto-optic playback system having constant intensity laser beam control
[NASA-CASE-NPO-11317-2] c 36 N74-13205
- Holography utilizing surface plasmon resonances
[NASA-CASE-MFS-22040-1] c 35 N74-26946
- Measuring probe position recorder
[NASA-CASE-LAR-10806-1] c 35 N74-32877
- RECOVERABILITY**
Ejectable underwater sound source recovery assembly
[NASA-CASE-LAR-10595-1] c 35 N74-16135
- RECOVERABLE LAUNCH VEHICLES**
Recoverable rocket vehicle Patent
[NASA-CASE-XMF-00389] c 31 N70-34176
- Orbiter/launch system
[NASA-CASE-LAR-12250-1] c 14 N81-26161
- RECOVERABLE SPACECRAFT**
Space capsule ejection assembly Patent
[NASA-CASE-XMF-03169] c 31 N71-15675
- RECOVERY PARACHUTES**
Vehicle parachute and equipment jettison system Patent
[NASA-CASE-XLA-00195] c 02 N70-38009
- Vortex breach high pressure gas generator
[NASA-CASE-LAR-10549-1] c 31 N73-13898
- RECTANGULAR PANELS**
Stacked solar cell arrays
[NASA-CASE-NPO-11771] c 03 N73-20040
- Composite sandwich lattice structure
[NASA-CASE-LAR-11898-1] c 24 N78-10214
- RECTIFIERS**
Thin window, drifted silicon, charged particle detector
[NASA-CASE-XLE-10529] c 14 N69-23191
- Power control circuit
[NASA-CASE-XNP-02713] c 10 N69-39888
- Precision rectifier with FET switching means Patent
[NASA-CASE-ARC-10101-1] c 09 N71-33109
- SCR lamp driver
[NASA-CASE-GSC-10221-1] c 09 N72-23171
- A dc to ac to dc converter having transistor synchronous rectifiers
[NASA-CASE-GSC-11126-1] c 09 N72-25253
- Elimination of current spikes in buck power converters
[NASA-CASE-NPO-14505-1] c 33 N81-19393
- RECTUM**
Cervix-to-rectum measuring device in a radiation applicator for use in the treatment of cervical cancer
[NASA-CASE-GSC-12081-2] c 52 N82-22875
- REDOX CELLS**
Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-2] c 44 N81-29524
- Improved chromium electrodes for REDOX cells
[NASA-CASE-LEW-13653-1] c 44 N82-22672
- Zirconium carbide as an electrocatalyst for the chromous-chromic redox couple
[NASA-CASE-LEW-13246-1] c 44 N83-27344
- REDUCED GRAVITY**
Reduced gravity liquid configuration simulator
[NASA-CASE-XLE-02624] c 12 N69-39988
- Mass measuring system Patent
[NASA-CASE-XMS-03371] c 05 N70-42000
- Reduced gravity simulator Patent
[NASA-CASE-XLA-01787] c 11 N71-16028
- Restraint system for ergometer
[NASA-CASE-MFS-21046-1] c 14 N73-27377
- Method of forming frozen spheres in a force-free drop tower
[NASA-CASE-NPO-14845-1] c 27 N82-28442
- REDUCTION (CHEMISTRY)**
Production of metal powders
[NASA-CASE-XLE-06461] c 17 N72-22530
- Process for making anhydrous metal halides
[NASA-CASE-LEW-11860-1] c 37 N76-18458
- Curable liquid hydrocarbon prepolymers containing hydroxyl groups and process for producing same
[NASA-CASE-NPO-13137-1] c 27 N80-32514
- Hydrodesulfurization of chlorinated coal
[NASA-CASE-NPO-15304-1] c 25 N83-31743
- REDUNDANCY**
Reconfiguring redundancy management
[NASA-CASE-MSC-18498-1] c 60 N82-29013
- REDUNDANT COMPONENTS**
Redundant memory organization Patent
[NASA-CASE-GSC-10564] c 10 N71-29135
- Redundant disc
[NASA-CASE-LEW-12496-1] c 07 N78-33101
- Redundant motor drive system
[NASA-CASE-MFS-23777-1] c 37 N80-32716
- Redundant operation of counter modules
[NASA-CASE-NPO-14162-1] c 60 N81-15706
- REELS**
Method and apparatus for measuring web material wound on a reel
[NASA-CASE-GSC-11902-1] c 38 N77-17495
- REENTRY COMMUNICATION**
Electrostatic plasma modulator for space vehicle re-entry communication Patent
[NASA-CASE-XLA-01400] c 07 N70-41331
- Means for communicating through a layer of ionized gases Patent
[NASA-CASE-XLA-01127] c 07 N70-41372
- Reentry communication by material addition Patent
[NASA-CASE-XLA-01552] c 07 N71-11284
- REENTRY SHIELDING**
Transpirationally cooled heat ablation system Patent
[NASA-CASE-XMS-02677] c 31 N70-42075
- Method and apparatus for making a heat insulating and ablative structure Patent
[NASA-CASE-XMS-02008] c 33 N71-20834
- Stand-off type ablative heat shield
[NASA-CASE-MSC-12143-1] c 33 N72-17947
- Protected isotope heat source --- for atmospheric reentry protection and heat transmission to spacecraft
[NASA-CASE-LEW-11227-1] c 73 N75-30876
- Fibrous refractory composite insulation --- shielding reusable spacecraft
[NASA-CASE-ARC-11169-1] c 24 N79-24062
- Adjustable high emittance gap filler --- reentry shielding for space shuttle vehicles
[NASA-CASE-ARC-11310-1] c 27 N82-24339
- Method for repair of thin glass coatings --- on space shuttle orbiter tiles
[NASA-CASE-KSC-11097-1] c 27 N82-33520
- REENTRY TRAJECTORIES**
Hypersonic reentry vehicle Patent
[NASA-CASE-XMS-04142] c 31 N70-41631
- REENTRY VEHICLES**
Reentry vehicle leading edge Patent
[NASA-CASE-XLA-00165] c 31 N70-33242
- Variable-geometry winged reentry vehicle Patent
[NASA-CASE-XLA-00241] c 31 N70-37986
- Telespectrograph Patent
[NASA-CASE-XLA-03273] c 14 N71-18699
- Ablation sensor Patent
[NASA-CASE-XLA-01791] c 14 N71-22991
- Ring wing tension vehicle Patent
[NASA-CASE-XLA-04901] c 31 N71-24315
- Ferry system
[NASA-CASE-LAR-10574-1] c 11 N73-13257
- Vortex breach high pressure gas generator
[NASA-CASE-LAR-10549-1] c 31 N73-13898
- Three-component ceramic coating for silica insulation
[NASA-CASE-MSC-14270-2] c 27 N76-23426
- REFERENCE SYSTEMS**
Automatic frequency control loop including synchronous switching circuits
[NASA-CASE-KSC-10393] c 09 N72-21247
- Magnetic heading reference
[NASA-CASE-LAR-11387-2] c 04 N77-19056
- REFINING**
Helium refining by superfluidity Patent
[NASA-CASE-XNP-00733] c 06 N70-34946
- Fluidized bed coal liquefaction
[NASA-CASE-NPO-15891-1] c 25 N83-36120
- REFLECTANCE**
Optical characteristics measuring apparatus Patent
[NASA-CASE-XNP-08840] c 23 N71-16365
- Gravimeter Patent
[NASA-CASE-XMF-05844] c 14 N71-17587
- Optical mirror apparatus Patent
[NASA-CASE-ERC-10001] c 23 N71-24868
- REFLECTED WAVES**
Device and method for determining X ray reflection efficiency of optical surfaces
[NASA-CASE-MFS-20243] c 23 N73-13662
- Clear air turbulence detector
[NASA-CASE-MFS-21244-1] c 36 N75-15028
- Reflected-wave maser --- low noise amplifier
[NASA-CASE-NPO-13490-1] c 36 N76-31512
- Optical fiber tactile sensor
[NASA-CASE-NPO-15375-1] c 74 N83-18485
- X-ray imaging mirror system and method of producing the same
[NASA-CASE-NPO-15828-1] c 74 N83-30222
- REFLECTING TELESCOPES**
Anastigmatic three-mirror telescope
[NASA-CASE-MFS-23675-1] c 89 N79-10969
- REFLECTION**
Synthesis of zinc titanate pigment and coatings containing the same
[NASA-CASE-MFS-13532] c 18 N72-17532
- Method and apparatus for compensating reflection losses in a path length modulated absorption-absorption trace gas detector --- for determining density of gas
[NASA-CASE-ARC-10631-1] c 74 N76-20958
- REFLECTOMETERS**
Ellipsoidal mirror reflectometer including means for averaging the radiation reflected from the sample Patent
[NASA-CASE-XGS-05291] c 23 N71-16341
- Real time reflectometer --- measurement of specular reflectance
[NASA-CASE-MFS-23118-1] c 35 N77-31465
- Coal-shale interface detection
[NASA-CASE-MFS-23720-3] c 43 N79-25443
- Visible and infrared polarizaton ratio spectroradiometer
[NASA-CASE-LAR-12285-1] c 35 N80-28687
- REFLECTORS**
Reflector space satellite Patent
[NASA-CASE-XLA-00138] c 31 N70-37981
- Self-erecting reflector Patent
[NASA-CASE-XGS-09190] c 31 N71-16102
- Spectroscope equipment using a slender cylindrical reflector as a substitute for a slit Patent
[NASA-CASE-XGS-08269] c 23 N71-26206
- Conical reflector antenna
[NASA-CASE-NPO-10303] c 07 N72-22127
- Target acquisition antenna
[NASA-CASE-GSC-10064-1] c 10 N72-22235
- Multi-purpose antenna employing dish reflector with plural coaxial horn feeds
[NASA-CASE-NPO-11264] c 07 N72-25174
- Multiple reflection conical microwave antenna
[NASA-CASE-NPO-11661] c 07 N73-14130
- Non-tracking solar energy collector system
[NASA-CASE-NPO-13813-1] c 44 N78-31526
- Acoustic suspension system
[NASA-CASE-NPO-15435-1] c 71 N81-27887
- Heat reflecting field stop
[NASA-CASE-LAR-12443-1] c 74 N82-19030
- Solar cell having improved back surface reflector
[NASA-CASE-LEW-13620-1] c 44 N83-13579
- Acoustic suspension system
[NASA-CASE-NPO-15435-1] c 71 N83-36846
- REFRACTIVITY**
The 2 deg/90 deg laboratory scattering photometer --- particulate refractivity in hydrosols
[NASA-CASE-GSC-12088-1] c 74 N78-13874

Chromatically corrected virtual image visual display --- reducing eye strain in flight simulators
[NASA-CASE-LAR-12251-1] c 74 N80-27185
Dual laser optical system and method for studying fluid flow
[NASA-CASE-MFS-25315-1] c 36 N83-29680
X-ray imaging mirror system and method of producing the same
[NASA-CASE-NPO-15828-1] c 74 N83-30222

REFRACTORY COATINGS

Refractory coatings and method of producing the same
[NASA-CASE-LEW-13169-1] c 26 N82-29415
Refractory coatings
[NASA-CASE-LEW-13169-2] c 26 N82-30371
Method for repair of thin glass coatings --- on space shuttle orbiter tiles
[NASA-CASE-KSC-11097-1] c 27 N82-33520

REFRACTORY MATERIALS

High temperature testing apparatus Patent
[NASA-CASE-XLE-00335] c 14 N70-35368
Prestressed refractory structure Patent
[NASA-CASE-XNP-02888] c 18 N71-21068
Method of manufacturing semiconductor devices using refractory dielectrics
[NASA-CASE-XER-08476-1] c 26 N72-17820
High temperature furnace for melting materials in space
[NASA-CASE-MFS-20710] c 11 N72-23215
High temperature resistant cermet and ceramic compositions --- for thermal resistant insulators and refractory coatings
[NASA-CASE-NPO-13690-1] c 27 N78-19302
High temperature resistant cermet and ceramic compositions
[NASA-CASE-NPO-13690-2] c 27 N79-14213
Fibrous refractory composite insulation --- shielding reusable spacecraft
[NASA-CASE-ARC-11169-1] c 24 N79-24062
Catalytic trimerization of aromatic nitriles and triaryl-s-triazine ring cross-linked high temperature resistant polymers and copolymers made thereby
[NASA-CASE-LEW-12053-2] c 27 N79-28307
Improved refractory coatings --- sputtered coatings on substrates that form stable nitrides
[NASA-CASE-LEW-23169-2] c 26 N81-16209
Castable high temperature refractory materials
[NASA-CASE-LEW-13080-2] c 27 N82-11210
Adjustable high emittance gap filler --- reentry shielding for space shuttle vehicles
[NASA-CASE-ARC-11310-1] c 27 N82-24339
Attachment system for silica tiles --- thermal protection for space shuttle orbiter
[NASA-CASE-MSC-18741-1] c 27 N82-29456
Densification of porous refractory substrates --- space shuttle orbiter tiles
[NASA-CASE-MSC-18737-1] c 24 N83-13171
Method of repairing surface damage to porous refractory substrates --- space shuttle orbiter tiles
[NASA-CASE-MSC-18736-1] c 24 N83-13172
High temperature silicon carbide impregnated insulating fabrics
[NASA-CASE-MSC-18832-1] c 27 N83-18908
Apparatus for accurately preloading auger attachment means for frangible protective material
[NASA-CASE-MSC-18791-1] c 37 N83-36482

REFRACTORY METALS

Radiant heater having formed filaments Patent
[NASA-CASE-XLE-00387] c 33 N70-34812
Method of producing refractory bodies having controlled porosity Patent
[NASA-CASE-LEW-10393-1] c 17 N71-15468
Multilayer porous ionizer Patent
[NASA-CASE-XNP-04338] c 17 N71-23046
Brazing alloy Patent
[NASA-CASE-XNP-03063] c 17 N71-23365
Thermal radiation shielding Patent
[NASA-CASE-XLE-03432] c 33 N71-24145
Method of producing refractory composites containing tantalum carbide, hafnium carbide, and hafnium boride Patent
[NASA-CASE-XLE-03940] c 18 N71-26153
Silicide coatings for refractory metals Patent
[NASA-CASE-XLE-10910] c 18 N71-29040
Refractory metal base alloy composites
[NASA-CASE-XLE-03940-2] c 17 N72-28536
Fused silicide coatings containing discrete particles for protecting niobium alloys --- used in space shuttle thermal protection systems and turbine engine components
[NASA-CASE-LEW-11179-1] c 27 N76-16229
Method of making an apertured casting --- using duplicate mold
[NASA-CASE-LEW-11169-1] c 37 N76-23570
Absorbable susceptor joining of ceramic surfaces
[NASA-CASE-NPO-15640-1] c 27 N83-19904

REFRIGERATING

Helium refrigerator and method for decontaminating the refrigerator
[NASA-CASE-NPO-10634] c 23 N72-25619
Magnetic heat pumping
[NASA-CASE-LEW-12508-3] c 34 N83-29625
REFRIGERATING MACHINERY
Refrigeration apparatus
[NASA-CASE-NPO-10309] c 15 N69-23190
Refrigeration apparatus Patent
[NASA-CASE-XNP-08877] c 15 N71-23025
Dual solid cryogenics for spacecraft refrigeration Patent
[NASA-CASE-GSC-10188-1] c 23 N71-24725
Stirling cycle engine and refrigeration systems
[NASA-CASE-NPO-13613-1] c 37 N76-29590
Cycling Joule Thomson refrigerator
[NASA-CASE-NPO-15251-1] c 31 N83-31897
Vibration isolation and pressure compensation apparatus for sensitive instrumentation
[NASA-CASE-LAR-12728-1] c 35 N83-32026

REFRIGERATORS

Intermittent type silica gel adsorption refrigerator Patent
[NASA-CASE-XNP-00920] c 15 N71-15906
Helium refrigerator
[NASA-CASE-XMF-13435-1] c 31 N76-14284
Thermal compensator for closed-cycle helium refrigerator --- assuring constant temperature for an infrared laser diode
[NASA-CASE-GSC-12168-1] c 31 N79-17029
Magnetically actuated compressor
[NASA-CASE-GSC-12799-1] c 37 N83-20153

REGENERATION (ENGINEERING)

Switching circuit employing regeneratively connected complementary transistors Patent
[NASA-CASE-XNP-02654] c 10 N70-42032
Regenerative braking system Patent
[NASA-CASE-XMF-01096] c 10 N71-16030
Free-piston regenerative hot gas hydraulic engine
[NASA-CASE-LEW-12274-1] c 37 N80-31790

REGENERATION (PHYSIOLOGY)

Implantable electrical device
[NASA-CASE-GSC-12560-1] c 52 N82-29863
REGENERATIVE COOLING
Formed metal ribbon wrap Patent
[NASA-CASE-XLE-00164] c 15 N70-36411
Method of making a regeneratively cooled combustion chamber Patent
[NASA-CASE-XLE-00150] c 28 N70-41818
Small rocket engine Patent
[NASA-CASE-XLE-00685] c 28 N70-41992
Combustion chamber Patent
[NASA-CASE-XLE-04857] c 28 N71-23968
Method of making apparatus for sensing temperature
[NASA-CASE-XLE-05230-2] c 14 N73-13417

REGENERATIVE FUEL CELLS

Electrolytically regenerative hydrogen-oxygen fuel cell Patent
[NASA-CASE-XLE-04526] c 03 N71-11052

REGENERATORS

Code regenerative clean-up loop transponder for a mu-type ranging system
[NASA-CASE-NPO-11707] c 07 N73-25161
Magnetic heat pumping
[NASA-CASE-LEW-12508-3] c 34 N83-29625

REGISTERS (COMPUTERS)

Variable digital processor including a register for shifting and rotating bits in either direction Patent
[NASA-CASE-GSC-10186] c 08 N71-33110
Priority interrupt system --- comprised of four registers
[NASA-CASE-NPO-13067-1] c 60 N76-18800

REINFORCED PLASTICS

Tube fabricating process
[NASA-CASE-LAR-10203-1] c 15 N72-16330
Reinforced structural plastics
[NASA-CASE-LEW-10199-1] c 27 N74-23125

REINFORCEMENT (STRUCTURES)

Reinforcing means for diaphragms Patent
[NASA-CASE-XNP-01962] c 32 N70-41370

REINFORCING FIBERS

Reinforced metallic composites Patent
[NASA-CASE-XLE-02428] c 17 N70-33288
Method of making fiber reinforced metallic composites Patent
[NASA-CASE-XLE-00231] c 17 N70-38198
Method for producing fiber reinforced metallic composites Patent
[NASA-CASE-XLE-03925] c 18 N71-22894
Thermal protection ablation spray system Patent
[NASA-CASE-XLE-04251] c 18 N71-26100
Method of preparing graphite reinforced aluminum composite
[NASA-CASE-MFS-21077-1] c 24 N75-28135

Crystalline polyimides --- reinforcing fibers for high temperature composites and adhesives as well as flame retardation
[NASA-CASE-LAR-12099-1] c 27 N80-16158
Composition and method for making polyimide resin-reinforced fabric
[NASA-CASE-LEW-12933-1] c 27 N81-19296
High modulus rare earth and beryllium containing silicate glass compositions --- for glass reinforcing fibers
[NASA-CASE-HQN-10595-1] c 27 N82-29455
Method of carbonizing polyacrylonitrile fibers
[NASA-CASE-ARC-11261-1] c 24 N83-25789

RELAXATION OSCILLATORS

Voltage to frequency converter Patent
[NASA-CASE-GSC-10022-1] c 10 N71-25882

RELAY SATELLITES

Satellite communication system and method Patent
[NASA-CASE-GSC-10118-1] c 07 N71-24621
Satellite personal communications system
[NASA-CASE-NPO-14480-1] c 32 N80-20448

RELEASING

Despin weight release Patent
[NASA-CASE-XLA-00679] c 15 N70-38601
Quick attach and release fluid coupling assembly Patent
[NASA-CASE-XKS-01985] c 15 N71-10782
Redundant actuating mechanism Patent
[NASA-CASE-XGS-08718] c 15 N71-24600
Quick release hook tape Patent
[NASA-CASE-XMS-10660-1] c 15 N71-25975
Delayed simultaneous release mechanism
[NASA-CASE-GSC-10814-1] c 03 N73-20039
Tool for releasing optical elements
[NASA-CASE-GSC-12794-1] c 37 N83-12434

RELIABILITY ANALYSIS

Program for computer aided reliability estimation
[NASA-CASE-NPO-13086-1] c 15 N73-12495

RELIABILITY ENGINEERING

Method of improving the reliability of a rolling element system Patent
[NASA-CASE-XLE-02999] c 15 N71-16052
Inspection gage for boss Patent
[NASA-CASE-XMF-04966] c 14 N71-17658
Valving device for automatic refilling in cryogenic liquid systems
[NASA-CASE-NPO-11177] c 15 N72-17453
Electrical connector
[NASA-CASE-NPO-10694] c 09 N72-20200
Inherent redundancy electric heater
[NASA-CASE-MFS-21462-1] c 33 N74-14935
Hollow rolling element bearings
[NASA-CASE-LEW-11087-3] c 37 N74-21064
Reconfiguring redundancy management
[NASA-CASE-MSC-18498-1] c 60 N82-29013

RELIEF VALVES

Relief valve
[NASA-CASE-XMS-05894-1] c 15 N69-21924
Zero gravity separator Patent
[NASA-CASE-XLE-00586] c 15 N71-15968
Redundant hydraulic control system for actuators
[NASA-CASE-MFS-20944] c 15 N73-13466
Prosthetic urinary sphincter
[NASA-CASE-MFS-23717-1] c 52 N81-25660
Ion beam sputter-etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-1] c 52 N83-21785

REMOTE CONTROL

Electromagnetic mirror drive system
[NASA-CASE-XLA-03724] c 14 N69-27461
Tubular coupling having frangible connecting means
[NASA-CASE-XLA-02854] c 15 N69-27490
Bimetallic power controlled actuator
[NASA-CASE-XNP-09776] c 09 N69-39929
Fluid coupling Patent
[NASA-CASE-XLE-00397] c 15 N70-36492
Umbilical disconnect Patent
[NASA-CASE-XLA-00711] c 03 N71-12258
Remote controlled tubular disconnect Patent
[NASA-CASE-XLA-01396] c 03 N71-12259
Three-axis finger tip controller for switches Patent
[NASA-CASE-XAC-02405] c 09 N71-16089
Satellite communication system Patent
[NASA-CASE-XNP-02389] c 07 N71-28900
Method and apparatus for aligning a laser beam projector Patent
[NASA-CASE-NPO-11087] c 23 N71-29125
Solid state remote circuit selector switch
[NASA-CASE-LEW-10387] c 09 N72-22201
Laser communication system for controlling several functions at a location remote to the laser
[NASA-CASE-LAR-10311-1] c 16 N73-16536
Cooperative multi-axis sensor for teleoperation of article manipulating apparatus
[NASA-CASE-NPO-13386-1] c 54 N75-27758
Remotely operable articulated manipulator
[NASA-CASE-MFS-22707-1] c 37 N76-15457

Remote manipulator system
[NASA-CASE-MFS-22022-1] c 37 N76-15460

Remote lightning monitor system
[NASA-CASE-KSC-11031-1] c 33 N79-11315

Simulator method and apparatus for practicing the mating of an observer-controlled object with a target
[NASA-CASE-MFS-23052-2] c 74 N79-13855

Terminal guidance sensor system
[NASA-CASE-NPO-14521-1] c 54 N79-20746

Terminal guidance sensor system --- space shuttle coupling to orbiting satellites
[NASA-CASE-NPO-14521-1] c 37 N81-27519

Apparatus for releasably connecting first and second objects in predetermined space relationship
[NASA-CASE-MSC-18969-1] c 15 N82-28318

REMOTE HANDLING

Remote control manipulator for zero gravity environment
[NASA-CASE-MFS-14405] c 15 N72-28495

Apparatus for remote handling of materials --- mixing or analyzing dangerous chemicals
[NASA-CASE-LAR-10634-1] c 37 N74-18123

Anthropomorphic master/slave manipulator system
[NASA-CASE-ARC-10756-1] c 54 N77-32721

Controller arm for a remotely related slave arm
[NASA-CASE-ARC-11052-1] c 37 N79-28551

Apparatus for sequentially transporting containers
[NASA-CASE-MFS-23846-1] c 37 N82-32731

REMOTE MANIPULATOR SYSTEM

Coupling device for moving vehicles
[NASA-CASE-GSC-12322-1] c 37 N80-14398

REMOTE SENSING

Method and apparatus for Delta K synthetic aperture radar measurement of ocean current
[NASA-CASE-NPO-15704-1] c 32 N82-28502

REMOTE SENSORS

Passive optical wind and turbulence detection system Patent
[NASA-CASE-XMF-14032] c 20 N71-16340

Pressure monitoring with a plurality of ionization gauges controlled at a central location Patent
[NASA-CASE-XLE-00787] c 14 N71-21090

Flow angle sensor and read out system Patent
[NASA-CASE-XLE-04503] c 14 N71-24864

Time synchronization system utilizing moon reflected coded signals Patent
[NASA-CASE-NPO-10143] c 10 N71-26326

Clear air turbulence detector
[NASA-CASE-ERC-10081] c 14 N72-28437

Intruder detection system
[NASA-CASE-ARC-10097-2] c 07 N73-25160

Microwave power transmission system wherein level of transmitted power is controlled by reflections from receiver
[NASA-CASE-MFS-21470-1] c 44 N74-19870

Voltage monitoring system
[NASA-CASE-KSC-10736-1] c 33 N75-19521

Wind sensor
[NASA-CASE-NPO-13462-1] c 35 N76-24524

Focused laser Doppler velocimeter
[NASA-CASE-MFS-23178-1] c 35 N77-10493

Wind measurement system
[NASA-CASE-MFS-23362-1] c 47 N77-10753

Penetrometer --- for determining load bearing characteristics of inclined surfaces
[NASA-CASE-NPO-11103-1] c 35 N77-27367

Remote sensing of vegetation and soil using microwave ellipsometry
[NASA-CASE-GSC-11976-1] c 43 N78-10529

Remote water monitoring system
[NASA-CASE-LAR-11973-1] c 35 N78-27384

Radar target for remotely sensing hydrological phenomena
[NASA-CASE-LAR-12344-1] c 43 N80-18498

Optical system
[NASA-CASE-NPO-15801-1] c 74 N83-25541

Portable laser remote system for methane gas detection
[NASA-CASE-NPO-15790-1] c 36 N83-33137

REMOTELY PILOTED VEHICLES

Rotating launch device for a remotely piloted aircraft
[NASA-CASE-ARC-10979-1] c 09 N77-19076

REMOVAL

Catalyst bed removing tool Patent
[NASA-CASE-XFR-00811] c 15 N70-36901

Recovery of aluminum from composite propellants
[NASA-CASE-NPO-14110-1] c 28 N81-15119

Acoustic bubble removal method
[NASA-CASE-NPO-15334-1] c 71 N83-35781

RENDEZVOUS GUIDANCE

Apparatus for releasably connecting first and second objects in predetermined space relationship
[NASA-CASE-MSC-18969-1] c 15 N82-28318

REPEATERS

Time division radio relay synchronizing system using different sync code words for in sync and out of sync conditions Patent
[NASA-CASE-GSC-10373-1] c 07 N71-19773

REPLACING

Electron beam tube containing a multiple cathode array employing indexing means for cathode substitution Patent
[NASA-CASE-NPO-10625] c 09 N71-26182

RESCUE OPERATIONS

Backpack camera Patent
[NASA-CASE-LAR-10056] c 05 N71-12351

Rescue litter flotation assembly Patent
[NASA-CASE-XMS-04170] c 05 N71-22748

Method of locating persons in distress --- by using radar imagery from radar reflectors
[NASA-CASE-LAR-11390-1] c 32 N77-21267

RESEARCH AND DEVELOPMENT

Tube fabricating process
[NASA-CASE-LAR-10203-1] c 15 N72-16330

RESEARCH VEHICLES

Lunar landing flight research vehicle Patent
[NASA-CASE-XFR-00929] c 31 N70-34966

Velocity limiting safety system Patent
[NASA-CASE-XLA-07473] c 15 N71-24895

RESIDUAL STRESS

Miniature stress transducer Patent
[NASA-CASE-XNP-02983] c 14 N71-21091

Method of making a perspiration resistant biopotential electrode
[NASA-CASE-MSC-90153-2] c 05 N72-25120

RESILIENCE

Resilience testing device Patent
[NASA-CASE-XLA-08254] c 14 N71-26161

RESIN BONDING

Method and apparatus for bonding a plastics sleeve onto a metallic body Patent
[NASA-CASE-XLA-01262] c 15 N71-21404

Covered silicon solar cells and method of manufacture --- with polymeric films
[NASA-CASE-LEW-11065-2] c 44 N76-14600

Method of manufacture of bonded fiber flywheel --- fiberglass-epoxy
[NASA-CASE-MFS-23674-1] c 24 N81-29163

RESIN MATRIX COMPOSITES

Phosphorus-containing bismide resins
[NASA-CASE-ARC-11321-1] c 27 N81-27272

Improved high temperature resistant polyimides
[NASA-CASE-LEW-13864-1] c 27 N83-17715

Elastomer coated filler and composites thereof comprising at least 60% by weight of a hydrated filler and an elastomer containing an acid substituent
[NASA-CASE-NPO-14857-1] c 27 N83-19900

Method of tracing contour patterns for use in making gradual contour resin matrix composites
[NASA-CASE-ARC-11246-1] c 31 N83-34073

RESINS

Modified polyurethane foams for fuel-fire Patent
[NASA-CASE-ARC-10098-1] c 06 N71-24739

Bonding or repairing process
[NASA-CASE-MSC-12357] c 15 N73-12489

Semiconductor surface protection material
[NASA-CASE-ERC-10339-1] c 18 N73-30532

Composite lamination method
[NASA-CASE-LAR-12019-1] c 24 N78-17150

Polyvinyl alcohol cross-linked with two aldehydes
[NASA-CASE-LEW-13504-1] c 25 N83-13188

Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-1] c 27 N83-31854

RESISTANCE

Method of making a perspiration resistant biopotential electrode
[NASA-CASE-MSC-90153-2] c 05 N72-25120

Variable resistance constant tension and lubrication device --- using oil-saturated leather wiper
[NASA-CASE-KSC-10723-1] c 37 N75-13265

RESISTANCE HEATING

Electrothermal rockets having improved heat exchangers Patent
[NASA-CASE-XLE-01783] c 28 N70-34175

Glass heating panels and method for preparing the same from architectural reflective glass
[NASA-CASE-NPO-15753-1] c 33 N82-23396

RESISTORS

High isolation RF signal selection switches
[NASA-CASE-NPO-13081-1] c 33 N74-22814

Resistive anode image converter
[NASA-CASE-HCN-10878-1] c 33 N76-27473

Split-cross-bridge-resistor for testing for proper fabrication of integrated circuit
[NASA-CASE-NPO-16021-1] c 33 N83-24769

RESOLUTION

Analog-to-digital conversion system Patent
[NASA-CASE-XAC-00404] c 08 N70-40125

Spectroscope equipment using a slender cylindrical reflector as a substitute for a slit Patent
[NASA-CASE-XGS-08269] c 23 N71-26206

Resolution enhanced sound detecting apparatus
[NASA-CASE-NPO-14134-1] c 71 N79-23753

RESOLVERS

Differential phase shift keyed signal resolver
[NASA-CASE-MSC-14066-1] c 33 N74-27705

Magnetic heading reference
[NASA-CASE-LAR-12638-1] c 44 N82-24716

Focal axis resolver for offset reflector antennas
[NASA-CASE-GSC-12630-1] c 33 N83-36355

RESONANCE

Optically selective, acoustically resonant gas detecting transducer
[NASA-CASE-ARC-10639-1] c 35 N78-13400

Resonant isolator for maser amplifier
[NASA-CASE-NPO-15201-1] c 36 N83-35350

RESONANT FREQUENCIES

Vibrating element electrometer with output signal magnified over input signal by a function of the mechanical Q of the vibrating element Patent
[NASA-CASE-XAC-02807] c 09 N71-23021

Apparatus for detecting the amount of material in a resonant cavity container Patent
[NASA-CASE-XNP-02500] c 18 N71-27397

Parasitic suppressing circuit
[NASA-CASE-ERC-10403-1] c 10 N73-26228

CW ultrasonic bolt tensioning monitor
[NASA-CASE-LAR-12016-1] c 39 N78-15512

Microbalance --- for measuring particle mass
[NASA-CASE-MSC-11242] c 35 N78-17358

Method and apparatus for shaping and enhancing acoustical levitation forces
[NASA-CASE-MFS-25050-1] c 71 N81-15767

Acoustic agglomeration methods and apparatus
[NASA-CASE-NPO-15466-1] c 71 N82-27087

Acoustic bubble removal method
[NASA-CASE-NPO-15334-1] c 71 N83-35781

RESONANT VIBRATION

Arrangement for damping the resonance in a laser diode
[NASA-CASE-NPO-15980-1] c 36 N82-28618

Variable force, eddy-current or magnetic damper
[NASA-CASE-LEW-13717-1] c 39 N83-20284

RESONATORS

High-Q bandpass resonators utilizing bandstop resonator pairs
[NASA-CASE-GSC-10990-1] c 09 N73-26195

RESPIRATION

Method and system for respiration analysis Patent
[NASA-CASE-XFR-08403] c 05 N71-11202

RESPIRATORS

Respiration monitor
[NASA-CASE-FRC-10012] c 14 N72-17329

RESPIRATORY RATE

Gas low pressure low flow rate metering system Patent
[NASA-CASE-FRC-10022] c 12 N71-26546

Respiratory analysis system and method
[NASA-CASE-MSC-13436-1] c 05 N73-32015

Metabolic analyzer --- for measuring metabolic rate and breathing dynamics of human beings
[NASA-CASE-MFS-21415-1] c 52 N74-20728

Dual physiological rate measurement instrument
[NASA-CASE-MSC-20078-1] c 52 N82-32971

RESPIROMETERS

Metabolic analyzer --- for measuring metabolic rate and breathing dynamics of human beings
[NASA-CASE-MFS-21415-1] c 52 N74-20728

RESPONSES

Frequency division multiplex technique
[NASA-CASE-KSC-10521] c 07 N73-20176

RESTARTABLE ROCKET ENGINES

Zero gravity starting means for liquid propellant motors Patent
[NASA-CASE-XNP-01390] c 28 N70-41275

Small rocket engine Patent
[NASA-CASE-XLE-00685] c 28 N70-41982

RESUSCITATION

Resuscitation apparatus Patent
[NASA-CASE-XMS-01115] c 05 N70-39922

RETAINING

Floating nut retention system
[NASA-CASE-MSC-16938-1] c 37 N80-23653

Modified spiral wound retaining ring
[NASA-CASE-LAR-12361-1] c 37 N83-19091

RETARDERS (DEVICES)

Thrust reverser for a long duct fan engine --- for turbofan engines
[NASA-CASE-LEW-13199-1] c 07 N82-26293

RETARDING

Ablative resin Patent
[NASA-CASE-XLE-05913] c 33 N71-14032

RETICLES

- Optical tracker having overlapping reticles on parallel axes Patent
[NASA-CASE-XGS-05715] c 23 N71-16100
- Star tracking reticles and process for the production thereof
[NASA-CASE-GSC-11188-2] c 21 N73-19630
- Star tracking reticles
[NASA-CASE-GSC-11188-1] c 14 N73-32320
- Formation of star tracking reticles
[NASA-CASE-GSC-11188-3] c 74 N74-20008
- Star scanner --- with a reticle with a pair of slits having differing separation
[NASA-CASE-GSC-11569-1] c 89 N74-30886
- RETRACTABLE EQUIPMENT**
- Runway light Patent
[NASA-CASE-XLA-00119] c 11 N70-33329
- Extensible cable support Patent
[NASA-CASE-XMF-07587] c 15 N71-18701
- Retractable environmental seal
[NASA-CASE-MFS-23646-1] c 37 N79-22474
- Antenna deployment mechanism for use with a spacecraft --- extensible and retractable telescopic antenna mast
[NASA-CASE-GSC-12331-1] c 18 N80-14183
- CAM controlled retractable door latch
[NASA-CASE-MSC-20304-1] c 37 N82-31690
- Extended moment arm anti-spin device
[NASA-CASE-LAR-12979-1] c 02 N83-29173
- Satellite retrieval system
[NASA-CASE-MFS-25403-1] c 18 N83-29303
- RETROFIRING**
- Visual target for retrofire attitude control
[NASA-CASE-XMS-12158-1] c 31 N69-27499
- Discrete local attitude sensing device Patent
[NASA-CASE-XMS-03792] c 14 N70-41812
- RETROREFLECTION**
- Interferometer servo system Patent
[NASA-CASE-NPO-10300] c 14 N71-17662
- Over-under double-pass interferometer
[NASA-CASE-NPO-13999-1] c 35 N78-18395
- Method and apparatus for Doppler frequency modulation of radiation
[NASA-CASE-NPO-14524-1] c 32 N80-24510
- RETROREFLECTORS**
- Interferometer --- high resolution
[NASA-CASE-NPO-14448-1] c 74 N81-29963
- Low noise lead screw positioner
[NASA-CASE-NPO-15617-1] c 35 N82-33681
- RETROCKET ENGINES**
- Steerable solid propellant rocket motor Patent
[NASA-CASE-XNP-00234] c 28 N70-38645
- REUSABLE HEAT SHIELDING**
- High temperature glass thermal control structure and coating --- for application to spacecraft reusable heat shielding
[NASA-CASE-ARC-11164-1] c 44 N83-34448
- REUSABLE SPACECRAFT**
- Recoverable single stage spacecraft booster Patent
[NASA-CASE-XMF-01973] c 31 N70-41588
- Space shuttle vehicle and system
[NASA-CASE-MSC-12433] c 31 N73-14854
- REUSE**
- Silica reusable surface insulation
[NASA-CASE-ARC-10721-1] c 27 N76-22376
- Reusable thermal cycling clamp --- holders for directional solidification experiments
[NASA-CASE-LAR-12868-1] c 27 N82-18390
- Reusable captive blind fastener
[NASA-CASE-MSC-18742-1] c 37 N82-26673
- REVERSE OSMOSIS**
- Reverse osmosis membrane of high urea rejection properties --- water purification
[NASA-CASE-ARC-10980-1] c 27 N80-23452
- Method for the preparation of thin-skinned asymmetric reverse osmosis membranes and products thereof
[NASA-CASE-ARC-11359-1] c 27 N82-28444
- REVERSED FLOW**
- Multistage multiple-reentry turbine Patent
[NASA-CASE-XLE-00170] c 15 N70-36412
- Reversible current control apparatus Patent
[NASA-CASE-XLA-09371] c 10 N71-18724
- Positive locking check valve Patent
[NASA-CASE-XMS-09310] c 15 N71-22706
- Reverse pitch fan with divided splitter
[NASA-CASE-LEW-12760-1] c 07 N77-17059
- REYNOLDS NUMBER**
- Wind tunnel test section
[NASA-CASE-MFS-20509] c 11 N72-17183
- REYNOLDS STRESS**
- System for measuring Reynolds in a turbulently flowing fluid --- signal processing
[NASA-CASE-ARC-10755-2] c 34 N76-27517

RHENIUM

- Thermocouples of tantalum and rhenium alloys for more stable vacuum-high temperature performance
[NASA-CASE-LEW-12050-1] c 35 N77-32454
- RHEOMETERS**
- Viscosity measuring instrument
[NASA-CASE-NPO-14501-1] c 35 N80-18357
- RHOMBOIDS**
- Rhomboid prism pair for rotating the plane of parallel light beams
[NASA-CASE-ARC-11311-1] c 74 N83-13978
- RIBBONS**
- Formed metal ribbon wrap Patent
[NASA-CASE-XLE-00164] c 15 N70-36411
- Forming tool for ribbon or wire
[NASA-CASE-XLA-05966] c 15 N72-12408
- Twisted multifilament superconductor
[NASA-CASE-LEW-11726-1] c 26 N73-26752
- Method of controlling defect orientation in silicon crystal ribbon growth
[NASA-CASE-NPO-13918-1] c 76 N79-11920
- Solar array strip and a method for forming the same
[NASA-CASE-NPO-13652-2] c 44 N79-17314
- Growth of silicon carbide crystals on a seed while pulling silicon crystals from a melt
[NASA-CASE-NPO-13969-1] c 76 N79-23798
- Bonding machine for forming a solar array strip
[NASA-CASE-NPO-13652-2] c 44 N79-24431
- Method for forming a solar array strip
[NASA-CASE-NPO-13652-3] c 44 N80-14474
- Means for growing ribbon crystals without subjecting the crystals to thermal shock-induced strains
[NASA-CASE-NPO-14298-1] c 76 N80-32244
- Method of growing a ribbon crystal particularly suited for facilitating automated control of ribbon width
[NASA-CASE-NPO-14295-1] c 76 N80-32245
- Apparatus for use in the production of ribbon-shaped crystals from a silicon melt
[NASA-CASE-NPO-14297-1] c 33 N81-19389
- Process and apparatus for growing a crystal ribbon --- for use in photovoltaic cells
[NASA-CASE-NPO-15629-1] c 44 N82-26779
- Method of increasing minority carrier lifetime in silicon web or the like
[NASA-CASE-NPO-15530-1] c 76 N83-35888
- RIBOFLAVIN**
- Flavin coenzyme assay
[NASA-CASE-GSC-10565-1] c 06 N72-25149
- RIBS (SUPPORTS)**
- Aeroflexible structures
[NASA-CASE-XLA-06095] c 01 N69-39981
- RICE**
- Modification of the physical properties of freeze-dried rice
[NASA-CASE-MSC-13540-1] c 05 N72-33096
- RIDING QUALITY**
- Ride quality meter
[NASA-CASE-LAR-12882-1] c 54 N81-31848
- RIGID ROTORS**
- Hingeless helicopter rotor with improved stability
[NASA-CASE-ARC-10807-1] c 05 N77-17029
- RIGID STRUCTURES**
- Quick release hook tape Patent
[NASA-CASE-XMS-10660-1] c 15 N71-25975
- Thermally activated foaming compositions Patent
[NASA-CASE-LAR-10373-1] c 18 N71-26155
- Adjustable mount for a thinned mirror Patent
[NASA-CASE-XNP-08907] c 23 N71-29123
- Folding structure fabricated of rigid panels
[NASA-CASE-XHQ-02146] c 18 N75-27040
- Telescoping columns --- parabolic antenna support
[NASA-CASE-LAR-12195-1] c 31 N81-27324
- RIGID WINGS**
- Flexible wing deployment device Patent
[NASA-CASE-XLA-01220] c 02 N70-41863
- RIMS**
- Rim inertial measuring system
[NASA-CASE-LAR-12052-1] c 18 N81-29152
- RING CURRENTS**
- Ring counter
[NASA-CASE-XGS-03095] c 09 N69-27463
- RING STRUCTURES**
- Reversible ring counter employing cascaded single SCR stages Patent
[NASA-CASE-XGS-01473] c 09 N71-10673
- Energy absorbing device Patent
[NASA-CASE-XMF-10040] c 15 N71-22877
- Phase-locked servo system --- for synchronizing the rotation of slip ring assembly
[NASA-CASE-MFS-22073-1] c 33 N75-13139
- Laser system with an antiresonant optical ring
[NASA-CASE-HQN-10844-1] c 36 N75-19653
- Helmet latching and attaching ring
[NASA-CASE-XMS-04670] c 54 N78-17678
- Collapsible corrugated horn antenna
[NASA-CASE-LAR-11745-1] c 32 N80-29539

- Ladder supported ring bar circuit
[NASA-CASE-LEW-13570-1] c 33 N81-24348
- Modified spiral wound retaining ring
[NASA-CASE-LAR-12361-1] c 37 N83-19091
- RING WINGS**
- Ring wing tension vehicle Patent
[NASA-CASE-XLA-04901] c 31 N71-24315
- RIPPLES**
- Ripple indicator
[NASA-CASE-KSC-10162] c 09 N72-11225
- RIVETS**
- Printed circuit board with bellows rivet connection Patent
[NASA-CASE-XNP-05082] c 15 N70-41960
- ROBOTS**
- Handling system --- industrial robotics
[NASA-CASE-NPO-15865-1] c 74 N83-12991
- ROCKET ENGINE CASES**
- Method of making a rocket motor casing Patent
[NASA-CASE-XLE-00409] c 28 N71-15658
- Rocket motor casing Patent
[NASA-CASE-XLE-05689] c 28 N71-15659
- Payload/burned-out motor case separation system Patent
[NASA-CASE-XLA-05369] c 31 N71-15687
- Solid propellant liner Patent
[NASA-CASE-XNP-09744] c 27 N71-16392
- Ion engine casing construction and method of making same Patent
[NASA-CASE-XNP-06942] c 28 N71-23293
- Casting propellant in rocket engine
[NASA-CASE-LAR-11995-1] c 28 N77-10213
- Solid propellant rocket motor and method of making same
[NASA-CASE-XLA-1349] c 20 N77-17143
- ROCKET ENGINE CONTROL**
- Fluid thrust control system --- for liquid propellant rocket engines
[NASA-CASE-XMF-05964-1] c 20 N79-21124
- ROCKET ENGINE DESIGN**
- Annular rocket motor and nozzle configuration Patent
[NASA-CASE-XLE-00078] c 28 N70-33284
- Spherical solid-propellant rocket motor Patent
[NASA-CASE-XLA-00105] c 28 N70-33331
- Spherically-shaped rocket motor Patent
[NASA-CASE-XHQ-01897] c 28 N70-35381
- Rocket engine Patent
[NASA-CASE-XLE-00342] c 28 N70-37980
- Swirling flow nozzle Patent
[NASA-CASE-XNP-03692] c 28 N71-24321
- Ion thruster with a combination keeper electrode and electron baffle
[NASA-CASE-NPO-11880] c 28 N73-24783
- Supersonic-combustion rocket
[NASA-CASE-LEW-11058-1] c 20 N74-13502
- Rocket chamber and method of making
[NASA-CASE-LEW-11118-2] c 20 N76-14191
- System for imposing directional stability on a rocket-propelled vehicle
[NASA-CASE-MFS-21311-1] c 20 N76-21275
- ROCKET ENGINES**
- Channel-type shell construction for rocket engines and the like Patent
[NASA-CASE-XLE-00144] c 28 N70-34860
- Ion thruster cathode Patent Application
[NASA-CASE-LEW-10814-1] c 28 N70-35422
- Injector-valve device Patent
[NASA-CASE-XLE-00303] c 15 N70-36535
- Elastic universal joint Patent
[NASA-CASE-XNP-00416] c 15 N70-36947
- Passively regulated water electrolysis rocket engine Patent
[NASA-CASE-XGS-08729] c 28 N71-14044
- Method of igniting solid propellants Patent
[NASA-CASE-XLE-01988] c 27 N71-15634
- Laminar flow enhancement Patent
[NASA-CASE-NPO-10122] c 12 N71-17631
- Swirling flow nozzle Patent
[NASA-CASE-XNP-03692] c 28 N71-24321
- Thruster maintenance system Patent
[NASA-CASE-MFS-20325] c 28 N71-27095
- Purge device for thrust engines Patent
[NASA-CASE-XMS-04826] c 28 N71-28849
- Method and device for cooling Patent
[NASA-CASE-HQN-00938] c 33 N71-29053
- Ion thruster magnetic field control
[NASA-CASE-LEW-10835-1] c 28 N72-22771
- Altitude simulation chamber for rocket engine testing
[NASA-CASE-MFS-20620] c 11 N72-27262
- Method of making apparatus for sensing temperature
[NASA-CASE-XLE-05230-2] c 14 N73-13417
- Magneto-plasma-dynamic arc thruster
[NASA-CASE-LEW-11180-1] c 25 N73-25760
- Method of electroforming a rocket chamber
[NASA-CASE-LEW-11118-1] c 20 N74-32919

Device for installing rocket engines
[NASA-CASE-MFS-19220-1] c 20 N76-22296

Ion beam thruster shield
[NASA-CASE-LEW-12082-1] c 20 N77-10148

Anode for ion thruster
[NASA-CASE-LEW-12048-1] c 20 N77-20162

General purpose rocket furnace
[NASA-CASE-MFS-23460-1] c 12 N79-26075

Diffuser/ejector system for a very high vacuum environment
[NASA-CASE-MFS-15791-1] c 37 N82-33712

ROCKET EXHAUST

Thrust vector control apparatus Patent
[NASA-CASE-XLE-00208] c 28 N70-34294

Rocket thrust throttling system
[NASA-CASE-LEW-10374-1] c 28 N73-13773

Method and apparatus for suppressing ignition overpressure in solid rocket propulsion systems
[NASA-CASE-MFS-25843-1] c 20 N83-17588

ROCKET FIRING

Alleviation of divergence during rocket launch Patent
[NASA-CASE-XLA-00256] c 31 N71-15663

ROCKET FLIGHT

Technique for control of free-flight rocket vehicles Patent
[NASA-CASE-XLA-00937] c 31 N71-17691

ROCKET LAUNCHING

Alleviation of divergence during rocket launch Patent
[NASA-CASE-XLA-00256] c 31 N71-15663

Controlled release device Patent
[NASA-CASE-XKS-03338] c 15 N71-24043

ROCKET LININGS

Heat exchanger and method of making --- rocket lining
[NASA-CASE-LEW-12441-2] c 34 N80-24573

ROCKET NOZZLES

Gimbaled, partially submerged rocket nozzle Patent
[NASA-CASE-XMF-01544] c 28 N70-34162

Rocket thrust chamber Patent
[NASA-CASE-XLE-00145] c 28 N70-36806

Self-sealing, unbonded, rocket motor nozzle closure Patent
[NASA-CASE-XLA-02651] c 28 N70-41967

Automatically deploying nozzle ext cone extension Patent
[NASA-CASE-XLE-01640] c 31 N71-15637

Rocket nozzle test method Patent
[NASA-CASE-NPO-10311] c 31 N71-15643

Collapsible nozzle extension for rocket engines Patent
[NASA-CASE-MFS-11497] c 28 N71-16224

Apparatus and method for protecting a photographic device Patent
[NASA-CASE-NPO-10174] c 14 N71-18465

Multislit film cooled pyrolytic graphite rocket nozzle Patent
[NASA-CASE-XNP-04389] c 28 N71-20942

Prestressed refractory structure Patent
[NASA-CASE-XNP-02888] c 18 N71-21068

Swirling flow nozzle Patent
[NASA-CASE-XNP-03692] c 28 N71-24321

Method and device for cooling Patent
[NASA-CASE-HQN-00938] c 33 N71-29053

Inflatable transpiration cooled nozzle
[NASA-CASE-MFS-20619] c 28 N72-11708

Solid propellant rocket motor nozzle
[NASA-CASE-NPO-11458] c 28 N72-23810

Method of making a rocket nozzle
[NASA-CASE-XMF-06884-1] c 20 N79-21123

Retractable environmental seal
[NASA-CASE-MFS-23646-1] c 37 N79-22474

ROCKET OXIDIZERS

Preparing oxidizer coated metal fuel particles
[NASA-CASE-NPO-11975-1] c 28 N74-33209

ROCKET PROPELLANTS

Two-step rocket engine bipropellant valve Patent
[NASA-CASE-XMS-04890-1] c 15 N70-22192

Rocket engine injector Patent
[NASA-CASE-XLE-03157] c 28 N71-24736

Bipropellant injector
[NASA-CASE-XNP-09461] c 28 N72-23809

ROCKET TEST FACILITIES

High-vacuum condenser tank for ion rocket tests Patent
[NASA-CASE-XLE-00168] c 11 N70-33278

Micro-pound extended range thrust stand Patent
[NASA-CASE-GSC-10710-1] c 28 N71-27094

ROCKET THRUST

Apparatus and method for control of a solid fueled rocket vehicle Patent
[NASA-CASE-XNP-00217] c 28 N70-38181

Electrostatic thruster with improved insulators Patent
[NASA-CASE-XLE-01902] c 28 N71-10574

Solid propellant rocket motor
[NASA-CASE-NPO-11559] c 28 N73-24784

Thrust measurement
[NASA-CASE-XMS-05731] c 35 N75-29382

ROCKET VEHICLES

Umbilical separator for rockets Patent
[NASA-CASE-XNP-00425] c 11 N70-38202

Support apparatus for dynamic testing Patent
[NASA-CASE-XMF-01772] c 11 N70-41677

Alleviation of divergence during rocket launch Patent
[NASA-CASE-XLA-00256] c 31 N71-15663

Technique for control of free-flight rocket vehicles Patent
[NASA-CASE-XLA-00937] c 31 N71-17691

Coupling device for moving vehicles
[NASA-CASE-GSC-12322-1] c 37 N80-14398

High acceleration cable deployment system
[NASA-CASE-ARC-11256-1] c 15 N82-24272

ROCKET-BORNE INSTRUMENTS

Scanning aspect sensor employing an apertured disc and a commutator
[NASA-CASE-XGS-08266] c 14 N69-27432

ROCKETS

Hydrogen fire detection system with logic circuit to analyze the spectrum of temporal variations of the optical spectrum
[NASA-CASE-MFS-13130] c 10 N72-17173

ROCKS

Rock drill for recovering samples
[NASA-CASE-XNP-07478] c 14 N69-21923

Rock sampling --- apparatus for controlling particle size
[NASA-CASE-XNP-10007-1] c 46 N74-23068

Rock sampling --- method for controlling particle size distribution
[NASA-CASE-XNP-09755] c 46 N74-23069

Coal-rock interface detector
[NASA-CASE-MFS-23725-1] c 43 N79-31706

RODS

Nuclear thermionic converter --- tungsten-thorium oxide rods
[NASA-CASE-NPO-13121-1] c 73 N77-18891

ROLL

Roll alignment detector
[NASA-CASE-GSC-10514-1] c 14 N72-20379

ROLLER BEARINGS

Method of lubricating rolling element bearings Patent
[NASA-CASE-XLE-09527] c 15 N71-17688

Semi-linear ball bearing Patent
[NASA-CASE-XLA-02809] c 15 N71-22982

Low mass rolling element for bearings
[NASA-CASE-LEW-11087-1] c 15 N73-30458

Method of making rolling element bearings
[NASA-CASE-LEW-11087-2] c 37 N74-15128

Bearing material --- composite material with low friction surface for rolling or sliding contact
[NASA-CASE-LEW-11930-1] c 24 N76-22309

ROLLERS

Method of improving the reliability of a rolling element system Patent
[NASA-CASE-XLE-02999] c 15 N71-16052

Load regulating latch
[NASA-CASE-MSC-19535-1] c 37 N77-32499

Suspension system for a wheel rolling on a flat track --- bearings for directional antennas
[NASA-CASE-NPO-14395-1] c 37 N82-21587

ROLLING CONTACT LOADS

Rolling element bearings Patent
[NASA-CASE-XLE-09527-2] c 15 N71-26189

ROLLING MOMENTS

Roll attitude star sensor system Patent
[NASA-CASE-XNP-01307] c 21 N70-41856

Leading edge flap system for aircraft control augmentation
[NASA-CASE-LAR-12787-1] c 05 N82-25240

ROOM TEMPERATURE

Coating process
[NASA-CASE-XNP-06508] c 18 N69-39895

ROTARY STABILITY

Reactance control system Patent
[NASA-CASE-XMF-01598] c 21 N71-15583

Two component bearing Patent
[NASA-CASE-XLA-00013] c 15 N71-29136

Lubricated journal bearing
[NASA-CASE-LEW-11076-3] c 37 N75-30562

Cyclical bi-directional rotary actuator
[NASA-CASE-GSC-11883-1] c 37 N77-19458

Apparatus for and method of compensating dynamic unbalance
[NASA-CASE-GSC-12550-1] c 37 N81-22358

Family of airfoil shapes for rotating blades --- for increased power efficiency and blade stability
[NASA-CASE-LAR-12843-1] c 05 N82-33372

ROTARY WING AIRCRAFT

Aircraft control system
[NASA-CASE-ERC-10439] c 02 N73-19004

ROTARY WINGS

Variable geometry rotor system
[NASA-CASE-LAR-10557] c 02 N72-11018

Hingeless helicopter rotor with improved stability
[NASA-CASE-ARC-10807-1] c 05 N77-17029

Locking redundant link
[NASA-CASE-LAR-11900-1] c 37 N79-14382

Helicopter rotor airfoil
[NASA-CASE-LAR-12396-1] c 02 N79-24958

Acoustically swept rotor --- helicopter noise reduction
[NASA-CASE-ARC-11106-1] c 05 N80-14107

Compensating linkage for main rotor control
[NASA-CASE-LAR-11797-1] c 05 N81-19087

Family of airfoil shapes for rotating blades --- for increased power efficiency and blade stability
[NASA-CASE-LAR-12843-1] c 05 N82-33372

ROTATING BODIES

Optical spin compensator
[NASA-CASE-XGS-02401] c 14 N69-27485

Laser apparatus for removing material from rotating objects Patent
[NASA-CASE-MFS-11279] c 16 N71-20400

Phase-locked servo system --- for synchronizing the rotation of slip ring assembly
[NASA-CASE-MFS-22073-1] c 33 N75-13139

Annular momentum control device used for stabilization of space vehicles and the like
[NASA-CASE-LAR-11051-1] c 15 N76-14158

Axially and radially controllable magnetic bearing
[NASA-CASE-GSC-11551-1] c 37 N76-18459

Multiple in-line docking capability for rotating space stations
[NASA-CASE-MFS-20855-1] c 15 N77-10112

Rotatable mass for a flywheel
[NASA-CASE-MFS-23051-1] c 37 N79-10422

Acoustic driving of rotor
[NASA-CASE-NPO-14005-1] c 71 N79-20827

Rotary target V-block --- aligning wind tunnel apparatus for optical measurement
[NASA-CASE-LAR-12007-2] c 74 N79-25876

Multi-channel rotating optical interface for data transmission
[NASA-CASE-NPO-14066-1] c 74 N79-34011

Apparatus for and method of compensating dynamic unbalance
[NASA-CASE-GSC-12550-1] c 37 N81-22358

ROTATING CYLINDERS

Tread drum for animals --- having an electrical shock station
[NASA-CASE-ARC-10917-1] c 51 N78-27733

Head for high speed spinner having a vacuum chuck --- holding silicon dioxide chips for etching
[NASA-CASE-NPO-15227-1] c 37 N81-33482

ROTATING DISKS

Foil seal
[NASA-CASE-XLE-05130] c 15 N69-21362

Scanning aspect sensor employing an apertured disc and a commutator
[NASA-CASE-XGS-08266] c 14 N69-27432

Redundant disc
[NASA-CASE-LEW-12496-1] c 07 N78-33101

ROTATING ELECTRICAL MACHINES

Light intensity modulator controller Patent
[NASA-CASE-XMS-04300] c 09 N71-19479

Direct current motor with stationary armature and field Patent
[NASA-CASE-XGS-05290] c 09 N71-25999

Constant frequency output two stage induction machine systems Patent
[NASA-CASE-ERC-10065] c 09 N71-27364

ROTATING ENVIRONMENTS

Radial module space station Patent
[NASA-CASE-XMS-01906] c 31 N70-41373

Rotating space station simulator Patent
[NASA-CASE-XLA-03127] c 11 N71-10776

ROTATING GENERATORS

Rotating raster generator
[NASA-CASE-FRC-10071-1] c 32 N74-20813

Wind wheel electric power generator
[NASA-CASE-MFS-23515-1] c 44 N80-21828

Wingtip vortex turbine
[NASA-CASE-LAR-12544-1] c 07 N81-27096

ROTATING MIRRORS

Retrodirective modulator Patent
[NASA-CASE-GSC-10062] c 14 N71-15605

Attitude sensor for space vehicles Patent
[NASA-CASE-XLA-00793] c 21 N71-22880

Method for generating ultra-precise angles Patent
[NASA-CASE-XGS-04173] c 19 N71-26674

Method and apparatus for optically monitoring the angular position of a rotating mirror
[NASA-CASE-GSC-11353-1] c 74 N74-21304

ROTATING SHAFTS

Foil seal Patent
[NASA-CASE-XLE-05130-2] c 15 N71-19570

Anemometer with braking mechanism Patent
[NASA-CASE-XMF-05224] c 14 N71-23726

Detent servo motor Patent
[NASA-CASE-XNP-06936] c 15 N71-24695

Rotating shaft seal Patent
[NASA-CASE-XNP-02862-1] c 15 N71-26294

Two component bearing Patent
[NASA-CASE-XLA-00013] c 15 N71-29136

Hall effect transducer
[NASA-CASE-LAR-10620-1] c 09 N72-25255

Spiral groove seal — for rotating shaft
[NASA-CASE-XLE-10326-4] c 37 N74-15125

Digital servo controller — for rotating antenna shaft
[NASA-CASE-KSC-10769-1] c 33 N74-29556

Solid medium thermal engine
[NASA-CASE-ARC-10461-1] c 44 N74-33379

Ergometer calibrator — for any ergometer utilizing rotating shaft
[NASA-CASE-MFS-21045-1] c 35 N75-15932

Fluid seal for rotating shafts
[NASA-CASE-LEW-11676-1] c 37 N76-22541

Cyclical bi-directional rotary actuator
[NASA-CASE-GSC-11883-1] c 37 N77-19458

Tachometer
[NASA-CASE-MFS-23175-1] c 35 N77-30436

Rotary leveling base platform
[NASA-CASE-ARC-10981-1] c 37 N78-27425

Rotary electric device
[NASA-CASE-GSC-12138-1] c 33 N79-20314

Circumferential shaft seal
[NASA-CASE-LEW-12119-1] c 37 N80-28711

Multiple plate hydrostatic viscous damper
[NASA-CASE-LEW-12445-1] c 37 N81-22360

Clutchless multiple drive source for output shaft
[NASA-CASE-ARC-11325-1] c 37 N82-22496

Unitary seal ring assembly — cryogenic applications
[NASA-CASE-MFS-25678-1] c 37 N82-25517

Directional gear ratio transmission
[NASA-CASE-LAR-12644-1] c 37 N82-29605

Multiple plate hydrostatic viscous damper
[NASA-CASE-LEW-13445-2] c 37 N83-17883

Variable force, eddy-current or magnetic damper
[NASA-CASE-LEW-13717-1] c 39 N82-20284

Rotary stepping device with memory metal actuator
[NASA-CASE-NPO-15482-1] c 37 N83-36484

ROTATION

Semi-linear ball bearing Patent
[NASA-CASE-XLA-02809] c 15 N71-22982

Mechanical actuator Patent
[NASA-CASE-XGS-04548] c 15 N71-24045

Positioning mechanism
[NASA-CASE-NPO-10679] c 15 N72-21462

Acoustic rotation control
[NASA-CASE-NPO-15689-1] c 35 N82-24475

Spray coating apparatus having a rotatable workpiece holder
[NASA-CASE-ARC-11110-1] c 37 N82-24492

System for controlled acoustic rotation of objects
[NASA-CASE-NPO-15522-1] c 71 N83-32516

ROTOR AERODYNAMICS

Acoustically swept rotor — helicopter noise reduction
[NASA-CASE-ARC-11108-1] c 05 N80-14107

ROTOR BLADES

Non-destructive method for applying and removing instrumentation on helicopter rotor blades
[NASA-CASE-LAR-11201-1] c 35 N78-24515

Apparatus and method for reducing thermal stress in a turbine rotor
[NASA-CASE-LEW-12232-1] c 07 N79-10057

ROTOR BLADES (TURBOMACHINERY)

Locking device for turbine rotor blades Patent
[NASA-CASE-XNP-00816] c 28 N71-28928

Turbo-machine blade vibration damper Patent
[NASA-CASE-XLE-00155] c 28 N71-29154

Apparatus for welding blades to rotors
[NASA-CASE-LEW-10533-2] c 37 N74-11300

Supersonic fan blading — noise reduction in turbofan engines
[NASA-CASE-LEW-11402-1] c 07 N74-28226

Blade retainer assembly
[NASA-CASE-LEW-12608-1] c 07 N77-27116

Platform for a swing rotor turbomachinery blade
[NASA-CASE-LEW-12312-1] c 07 N77-32148

Helicopter rotor airfoil
[NASA-CASE-LAR-12396-1] c 02 N79-24958

Multiple plate hydrostatic viscous damper
[NASA-CASE-LEW-13445-2] c 37 N83-17883

Rotor blade with passive tuned tab
[NASA-CASE-ARC-11444-1] c 02 N83-25663

ROTOR LIFT

Constant lift rotor for a heavier than air craft
[NASA-CASE-ARC-11045-1] c 05 N79-17847

ROTOR SPEED

Brushless direct current tachometer Patent
[NASA-CASE-MFS-20385] c 09 N71-24904

Improved method for driving two-phase turbines with enhanced efficiency
[NASA-CASE-NPO-15037-1] c 37 N80-26660

ROTORCRAFT AIRCRAFT

Constant lift rotor for a heavier than air craft
[NASA-CASE-ARC-11045-1] c 05 N79-17847

ROTORS

Multistage multiple-reentry turbine Patent
[NASA-CASE-XLE-00085] c 28 N70-38995

Angular position and velocity sensing apparatus Patent
[NASA-CASE-XGS-05680] c 14 N71-17585

Indexing microwave switch Patent
[NASA-CASE-XNP-06507] c 09 N71-23548

Detent servo motor Patent
[NASA-CASE-XNP-06936] c 15 N71-24695

Rotary vane attenuator wherein rotor has orthogonally disposed resistive and dielectric cards
[NASA-CASE-NPO-11418-1] c 14 N73-13420

Welding blades to rotors
[NASA-CASE-LEW-10533-1] c 15 N73-28515

Magnetic field control — electromechanical torquing device
[NASA-CASE-MFS-23826-1] c 33 N82-26569

Damping seal for turbomachinery
[NASA-CASE-MFS-25842-1] c 37 N83-26080

RUBBER

Thermoplastic rubber comprising ethylene-vinyl acetate copolymer, asphalt and fluxing oil
[NASA-CASE-NPO-08835-1] c 27 N78-33228

Formulated plastic separators for soluble electrode cells — rubber-on transport membranes
[NASA-CASE-LEW-12358-1] c 44 N79-17313

Enhancement of in vitro guanylate propagation
[NASA-CASE-NPO-15213-1] c 51 N83-17045

Elastomer toughened polyimide adhesives
[NASA-CASE-LAR-12775] c 27 N83-29390

RUBBER COATINGS

Intumescent paint containing nitrile rubber
[NASA-CASE-ARC-10196-1] c 18 N73-13562

RUBY

Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
[NASA-CASE-GSC-11577-1] c 37 N75-15992

Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
[NASA-CASE-GSC-11577-3] c 24 N79-25143

RUBY LASERS

Laser coolant and ultraviolet filter
[NASA-CASE-MFS-20180] c 16 N72-12440

Method of and apparatus for double-exposure holographic interferometry
[NASA-CASE-MFS-25405-1] c 35 N81-27459

RUNWAY ALIGNMENT

Magnetic position detection method and apparatus
[NASA-CASE-ARC-10179-1] c 21 N72-22619

RUNWAY LIGHTS

Runway light Patent
[NASA-CASE-XLA-00119] c 11 N70-33329

Spectrally balanced chromatic landing approach lighting system
[NASA-CASE-ARC-10990-1] c 04 N82-16059

RUPTURING

Means for controlling rupture of shock tube diaphragms Patent
[NASA-CASE-XAC-00731] c 11 N71-15960

RYDBERG SERIES

A low energy electron magnetometer
[NASA-CASE-LAR-12706-1] c 35 N81-19428

S

SABOT PROJECTILES

Hypervelocity gun — using both electric and chemical energy for projectile propulsion
[NASA-CASE-XLE-03186-1] c 09 N79-21084

SAFETY DEVICES

Pressure suit tie-down mechanism Patent
[NASA-CASE-XMS-00784] c 05 N71-12335

Positive locking check valve Patent
[NASA-CASE-XMS-09310] c 15 N71-22706

Protective device for machine and metalworking tools Patent
[NASA-CASE-XLE-01092] c 15 N71-22797

Velocity limiting safety system Patent
[NASA-CASE-XLA-07473] c 15 N71-24895

Combustion products generating and metering device
[NASA-CASE-GSC-11095-1] c 14 N72-10375

Restraint torso for a pressurized suit
[NASA-CASE-MSC-12397-1] c 05 N72-25119

Totally confined explosive welding — apparatus to reduce noise level and protect personnel during explosive bonding
[NASA-CASE-LAR-10941-1] c 37 N74-21057

Deployable flexible ventral fins for use as an emergency spin recovery device in aircraft
[NASA-CASE-LAR-10753-1] c 08 N74-30421

Shoulder harness and lap belt restraint system
[NASA-CASE-ARC-10519-2] c 05 N75-25915

Fifth wheel
[NASA-CASE-FRC-10081-1] c 37 N77-14477

Microwave power transmission beam safety system
[NASA-CASE-NPO-14224-1] c 33 N80-18287

Safety shield for vacuum/pressure chamber viewing port
[NASA-CASE-GSC-12513-1] c 31 N81-19343

Variable response load limiting device — for aircraft seats
[NASA-CASE-LAR-12801-1] c 37 N82-20544

SAFETY FACTORS

Safety flywheel — using flexible materials energy storage
[NASA-CASE-HQN-10888-1] c 44 N79-14527

SAHA EQUATIONS

Cosmic dust analyzer
[NASA-CASE-MSC-13802-2] c 35 N76-15431

SALINITY

Saltless solar pond
[NASA-CASE-NPO-15808-1] c 44 N82-29714

SALT BATHS

Process for applying a protective coating for salt bath brazing Patent
[NASA-CASE-XLE-00046] c 15 N70-33311

SAMARIUM

Gd or Sm doped silicon semiconductor composition Patent
[NASA-CASE-XLE-10715] c 26 N71-23292

SAMPLERS

Vacuum probe surface sampler
[NASA-CASE-LAR-10623-1] c 14 N73-30395

Automated syringe sampler — remote sampling of air and water
[NASA-CASE-LAR-12308-1] c 35 N81-29407

SAMPLES

Plural output optometric sample cell and analysis system
[NASA-CASE-NPO-10233-1] c 74 N78-33913

Mobile sampler for use in acquiring samples of terrestrial atmospheric gases
[NASA-CASE-NPO-15220-1] c 45 N83-25217

SAMPLING

Sample collecting impact bit Patent
[NASA-CASE-XNP-01412] c 15 N70-42034

Fluid sample collector Patent
[NASA-CASE-XMS-06767-1] c 14 N71-20435

Atmospheric sampling devices
[NASA-CASE-NPO-11373] c 13 N72-25323

Digital to analog conversion apparatus
[NASA-CASE-MSC-12458-1] c 08 N73-32081

Rock sampling — apparatus for controlling particle size
[NASA-CASE-XNP-10007-1] c 46 N74-23068

Rock sampling — method for controlling particle size distribution
[NASA-CASE-XNP-09755] c 46 N74-23069

Apparatus for microbiological sampling — including automatic swabbing
[NASA-CASE-LAR-11069-1] c 35 N75-12272

Automatic bioassay sampling
[NASA-CASE-MSC-14640-1] c 54 N76-14804

Remote water monitoring system
[NASA-CASE-LAR-11973-1] c 35 N78-27384

CCD correlated quadruple sampling processor
[NASA-CASE-NPO-14426-1] c 33 N79-17134

Fluid sample collection and distribution system — qualitative analysis of aqueous samples from several points
[NASA-CASE-MSC-16841-1] c 34 N79-24285

Method for detecting coliform organisms
[NASA-CASE-ARC-11322-1] c 51 N83-28849

SANDWICH STRUCTURES

Sandwich panel construction Patent
[NASA-CASE-XLA-00349] c 33 N70-37979

Micrometeoroid velocity measuring device Patent
[NASA-CASE-XLA-00495] c 14 N70-41332

Meteoroid sensing apparatus having a coincidence network connected to a pair of capacitors Patent
[NASA-CASE-XLE-01246] c 14 N71-10797

Method of making inflatable honeycomb Patent
[NASA-CASE-XLA-03492] c 15 N71-22713

Convoluting device for forming convolutions and the like Patent
[NASA-CASE-XNP-05297] c 15 N71-23811

Composite sandwich lattice structure
[NASA-CASE-LAR-11899-1] c 24 N78-10214

Low density bismaleimide-carbon microballoon composites
[NASA-CASE-ARC-11040-1] c 24 N79-16915

- Superplastically formed diffusion bonded metallic structure
[NASA-CASE-FRC-11026-1] c 24 N82-24296
- Multilayer thermal protection system
[NASA-CASE-LAR-12620-1] c 24 N82-32417
- SAPPHIRE**
Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
[NASA-CASE-GSC-11577-1] c 37 N75-15992
Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
[NASA-CASE-GSC-11577-3] c 24 N79-25143
- SATELLITE ANTENNAS**
Antenna system using parasitic elements and two driven elements at 90 deg angle fed 180 deg out of phase Patent
[NASA-CASE-XLA-00414] c 07 N70-38200
Apparatus providing a directive field pattern and attitude sensing of a spin stabilized satellite Patent
[NASA-CASE-XGS-02607] c 31 N71-23009
Apparatus and method for determining the position of a radiant energy source
[NASA-CASE-GSC-12147-1] c 32 N81-27341
Microwave switching power divider --- antenna feeds
[NASA-CASE-GSC-12420-1] c 33 N82-16340
- SATELLITE ATTITUDE CONTROL**
Photosensitive device to detect bearing deviation Patent
[NASA-CASE-XNP-00438] c 21 N70-35089
Attitude control for spacecraft Patent
[NASA-CASE-XNP-02982] c 31 N70-41855
Satellite despersion device Patent
[NASA-CASE-XMF-08523] c 31 N71-20396
Attitude control and damping system for spacecraft Patent
[NASA-CASE-XLA-02551] c 21 N71-21708
Gravity gradient attitude control system Patent
[NASA-CASE-GSC-10555-1] c 21 N71-27324
Spacecraft attitude control method and apparatus
[NASA-CASE-HQN-10439] c 21 N72-21624
Dual purpose momentum wheels for spacecraft with magnetic recording
[NASA-CASE-NPO-11481] c 21 N73-13644
Combination automatic-starting electrical plasma torch and gas shutoff valve --- for satellite attitude control
[NASA-CASE-XLE-10717] c 37 N75-29426
Attitude control system
[NASA-CASE-MFS-22787-1] c 15 N77-10113
Rim inertial measuring system
[NASA-CASE-LAR-12052-1] c 18 N81-29152
- SATELLITE CONTROL**
Stabilization of gravity oriented satellites Patent
[NASA-CASE-XAC-01591] c 31 N71-17729
- SATELLITE DESIGN**
Inflation system for balloon type satellites Patent
[NASA-CASE-XGS-03351] c 31 N71-16081
- SATELLITE INSTRUMENTS**
Reaction wheel scanner Patent
[NASA-CASE-XGS-02629] c 14 N71-21082
- SATELLITE NETWORKS**
Satellite interface synchronization system
[NASA-CASE-GSC-10390-1] c 07 N72-11149
- SATELLITE ORBITS**
Apparatus for changing the orientation and velocity of a spinning body traversing a path Patent
[NASA-CASE-HQN-00936] c 31 N71-29050
- SATELLITE ORIENTATION**
Method and apparatus for determining satellite orientation utilizing spatial energy sources Patent
[NASA-CASE-XGS-00466] c 21 N70-34297
Cartwheel satellite synchronization system Patent
[NASA-CASE-XGS-05579] c 31 N71-15676
Apparatus for changing the orientation and velocity of a spinning body traversing a path Patent
[NASA-CASE-HQN-00936] c 31 N71-29050
Analog spatial maneuver computer
[NASA-CASE-GSC-10880-1] c 08 N72-11172
- SATELLITE PERTURBATION**
Method and means for damping nutation in a satellite Patent
[NASA-CASE-XMF-00442] c 31 N71-10747
- SATELLITE POWER TRANSMISSION (TO EARTH)**
Microwave power transmission beam safety system
[NASA-CASE-NPO-14224-1] c 33 N80-18287
- SATELLITE ROTATION**
Optical spin compensator
[NASA-CASE-XGS-02401] c 14 N69-27485
Stretch de-spin mechanism Patent
[NASA-CASE-XGS-00619] c 30 N70-40016
Apparatus for changing the orientation and velocity of a spinning body traversing a path Patent
[NASA-CASE-HQN-00936] c 31 N71-29050
- SATELLITE TELEVISION**
Adaptive system and method for signal generation Patent
[NASA-CASE-GSC-11367] c 10 N71-26374
- SATELLITE TRACKING**
Tracking receiver Patent
[NASA-CASE-XGS-08679] c 10 N71-21473
Simultaneous acquisition of tracking data from two stations
[NASA-CASE-NPO-13292-1] c 32 N75-15854
Switchable beamwidth monopulse method and system
[NASA-CASE-GSC-11924-1] c 33 N76-27472
- SATELLITE TRANSMISSION**
Asynchronous, multiplexing, single line transmission and recovery data system --- for satellite use
[NASA-CASE-NPO-13321-1] c 32 N75-26195
- SATELLITE-BORNE PHOTOGRAPHY**
Rotary solenoid shutter drive assembly and rotary inertia damper and stop plate assembly --- for use with cameras mounted in satellites
[NASA-CASE-GSC-11560-1] c 33 N74-20861
Scanner --- photography from a spin stabilized synchronous satellite
[NASA-CASE-GSC-12032-2] c 43 N82-13465
- SATURABLE REACTORS**
Pulse switching for high energy lasers
[NASA-CASE-NPO-14556-1] c 33 N82-24418
- SATURATION**
Method of detecting impending saturation of magnetic cores
[NASA-CASE-ERC-10089] c 23 N72-17747
- SAWTOOTH WAVEFORMS**
Linear sawtooth voltage-wave generator employing transistor timing circuit having capacitor-zener diode combination feedback Patent
[NASA-CASE-XMS-01315] c 09 N70-41675
- SCANNERS**
Monopulse system with an electronic scanner
[NASA-CASE-XGS-05582] c 07 N69-27460
Electronic background suppression method and apparatus for a field scanning sensor
[NASA-CASE-XGS-05211] c 07 N69-39980
Method and means for an improved electron beam scanning system Patent
[NASA-CASE-ERC-10552] c 09 N71-12539
Reaction wheel scanner Patent
[NASA-CASE-XGS-02629] c 14 N71-21082
Electronic scanning of 2-channel monopulse patterns Patent
[NASA-CASE-GSC-10299-1] c 09 N71-24804
Method and apparatus for mapping the sensitivity of the face of a photodetector specifically a PMT
[NASA-CASE-LAR-10320-1] c 09 N72-23172
Ultrasonic scanner for radial and flat panels
[NASA-CASE-MFS-20335-1] c 35 N74-10415
Apparatus for scanning the surface of a cylindrical body
[NASA-CASE-NPO-11861-1] c 36 N74-20009
Fast scan control for deflection type mass spectrometers
[NASA-CASE-LAR-11428-1] c 35 N74-34857
Electronically scanned pressure sensor module with in situ calibration capability
[NASA-CASE-LAR-12230-1] c 35 N79-14347
Scannable beam forming interferometer antenna array system
[NASA-CASE-GSC-12365-1] c 32 N80-28578
Programmable scan/read circuitry for charge coupled device imaging detectors --- for a startracker
[NASA-CASE-NPO-15345-1] c 33 N81-27403
Scanner --- photography from a spin stabilized synchronous satellite
[NASA-CASE-GSC-12032-2] c 43 N82-13465
Electronic scanning pressure measuring system and transducer package
[NASA-CASE-ARC-11361-1] c 35 N82-26635
Optical crystal temperature gauge with fiber optic connections
[NASA-CASE-MSC-18627-1] c 74 N82-30071
Integrated optics in an electrically scanned imaging Fourier transform spectrometer
[NASA-CASE-NPO-15844-1] c 74 N83-12992
Scanning seismic intrusion detection method and apparatus --- monitoring unwanted subterranean entry and departure
[NASA-CASE-ARC-11317-1] c 35 N83-34272
- SCANNING**
Television signal scan rate conversion system Patent
[NASA-CASE-XMS-07168] c 07 N71-11300
Method of erasing target material of a vidicon tube or the like Patent
[NASA-CASE-XNP-06028] c 09 N71-23189
Position determination systems --- using orbital antenna scan of celestial bodies
[NASA-CASE-MSC-12593-1] c 17 N76-21250
Magnetometer with a miniature transducer and automatic scanning
[NASA-CASE-LAR-11617-2] c 35 N78-32397
System and method for character recognition
[NASA-CASE-NPO-11337-1] c 74 N81-19896
- SCATTERING CROSS SECTIONS**
Method and means for helium/hydrogen ratio measurement by alpha scattering
[NASA-CASE-NPO-14079-1] c 25 N80-20334
- SCHLIEREN PHOTOGRAPHY**
System and method for obtaining wide screen Schlieren photographs
[NASA-CASE-NPO-14174-1] c 74 N79-20856
- SCHMIDT CAMERAS**
Cooled echelle grating spectrometer --- for space telescope applications
[NASA-CASE-NPO-14372-1] c 35 N80-26635
- SCHOOLS**
Silent emergency alarm system for schools and the like
[NASA-CASE-NPO-11307-1] c 10 N73-30205
- SCHOTTKY DIODES**
High voltage, high current Schottky barrier solar cell
[NASA-CASE-NPO-13482-1] c 44 N78-13526
Solar cells having integral collector grids
[NASA-CASE-LEW-12819-1] c 44 N79-11467
Back wall solar cell
[NASA-CASE-LEW-12236-2] c 44 N79-14528
Schottky barrier solar cell
[NASA-CASE-NPO-13689-2] c 44 N81-29525
Epitaxial thinning process
[NASA-CASE-NPO-15786-1] c 25 N82-26397
Method of fabricating Schottky Barrier solar cell
[NASA-CASE-NPO-13689-4] c 44 N82-28780
Submillimeter wave Schottky barrier diode with low series resistance and low noise
[NASA-CASE-NPO-15935-1] c 33 N83-12334
Thin wire pointing method
[NASA-CASE-NPO-15789-1] c 31 N83-19947
GaAs Schottky barrier photo-responsive device and method of fabrication --- photovoltaic cells
[NASA-CASE-GSC-12816-1] c 76 N83-30268
- SCOOPS**
Aeroflexible structures
[NASA-CASE-XLA-06095] c 01 N69-39981
- SCORING**
Scriber for silicon wafers
[NASA-CASE-NPO-15539-1] c 37 N82-11469
- SCRAMBLING (COMMUNICATION)**
Random digital encryption secure communication system
[NASA-CASE-MSC-16462-1] c 32 N82-31583
- SCREWS**
Electromechanical control actuator system Patent
[NASA-CASE-ERC-10022] c 15 N71-26635
Adjustable support
[NASA-CASE-NPO-10721] c 15 N72-27484
Low noise lead screw positioner
[NASA-CASE-NPO-15617-1] c 35 N82-33681
- SCRUBBERS**
High pressure gas filter system Patent
[NASA-CASE-MFS-12806] c 14 N71-17588
- SEA ICE**
A technique for breaking ice in the path of a ship
[NASA-CASE-LAR-10815-1] c 16 N72-22520
- SEA STATES**
Oceanic wave measurement system
[NASA-CASE-MFS-23862-1] c 48 N80-18667
- SEALERS**
Pressure garment joint Patent
[NASA-CASE-XMS-09636] c 05 N71-12344
Sealing device for an electrochemical cell Patent
[NASA-CASE-XGS-02630] c 03 N71-22974
Bonded elastomeric seal for electrochemical cells Patent
[NASA-CASE-XGS-02631] c 03 N71-23006
Self-lubricating fluoride metal composite materials Patent
[NASA-CASE-XLE-08511] c 18 N71-23710
Polyimides of ether-linked aryl tetracarboxylic dianhydrides
[NASA-CASE-MFS-22355-1] c 23 N76-15268
High performance filletting sealant
[NASA-CASE-ARC-11409-1] c 27 N82-32490
High performance channel injection sealant invention abstract
[NASA-CASE-ARC-14408-1] c 27 N82-33523
- SEALING**
Foil seal
[NASA-CASE-XLE-05130] c 15 N69-21362
Sealed battery gas manifold construction Patent
[NASA-CASE-XNP-03378] c 03 N71-11051
Sealing device for an electrochemical cell Patent
[NASA-CASE-XGS-02630] c 03 N71-22974
Sealing member and combination thereof and method of producing said sealing member Patent
[NASA-CASE-XMS-01625] c 15 N71-23022
Evacuation port seal Patent
[NASA-CASE-XMF-03290] c 15 N71-23256
Valve seal
[NASA-CASE-NPO-10606] c 15 N72-25451

- Ampoule sealing apparatus and process — for housing a semiconductor growth charge under vacuum
[NASA-CASE-LAR-12847-1] c 33 N83-16633
Method of fabricating an abrasible gas path seal
[NASA-CASE-LEW-13269-2] c 27 N83-17714
- SEALS (STOPPERS)**
- Spacecraft battery seals
[NASA-CASE-XGS-03884] c 15 N69-24320
Flexible seal for valves Patent
[NASA-CASE-XLE-00101] c 15 N70-33376
Shrink-fit gas valve Patent
[NASA-CASE-XGS-00587] c 15 N70-35087
Thin-walled pressure vessel Patent
[NASA-CASE-XLE-04677] c 15 N71-10577
Foil seal Patent
[NASA-CASE-XLE-05130-2] c 15 N71-19570
Storage container for electronic devices Patent
[NASA-CASE-MFS-20075] c 09 N71-26133
Rotating shaft seal Patent
[NASA-CASE-XNP-02862-1] c 15 N71-26294
Spiral groove seal — for rotating shaft
[NASA-CASE-XLE-10326-4] c 37 N74-15125
Glass-to-metal seals comprising relatively high expansion metals
[NASA-CASE-LEW-10698-1] c 37 N74-21063
High speed, self-acting shaft seal — for use in turbine engines
[NASA-CASE-LEW-11274-1] c 37 N75-21631
Method of forming shrink-fit compression seal
[NASA-CASE-LAR-11563-1] c 37 N77-23482
Counter pumping debris excluder and separator — gas turbine shaft seals
[NASA-CASE-LEW-11855-1] c 07 N78-25090
Composite seal for turbomachinery — backings for turbine engine shrouds
[NASA-CASE-LEW-12131-1] c 37 N79-18318
Retractable environmental seal
[NASA-CASE-MFS-23646-1] c 37 N79-22474
Shaft seal assembly for high speed and high pressure applications
[NASA-CASE-LEW-11873-1] c 37 N79-22475
Fluid pressure balanced seal
[NASA-CASE-XGS-01286-1] c 37 N79-33469
Gas path seal
[NASA-CASE-NPO-12131-3] c 37 N80-18400
Composite seal for turbomachinery
[NASA-CASE-LEW-12131-2] c 37 N80-26658
Circumferential shaft seal
[NASA-CASE-LEW-12119-1] c 37 N80-28711
Thermal barrier pressure seal — shielding junctions between spacecraft control surfaces and structures
[NASA-CASE-MS-C-18134-1] c 37 N81-15363
Modified face seal for positive film stiffness
[NASA-CASE-LEW-12989-1] c 37 N82-12442
Surface conforming thermal/pressure seal — tail assemblies of space shuttle orbiters
[NASA-CASE-MS-C-18422-1] c 37 N82-16408
Composite seal for turbomachinery
[NASA-CASE-LEW-12131-3] c 37 N82-19540
Continuous self-locking spiral wound seal — for maintaining pressure between chambers in cryogenic wind tunnels
[NASA-CASE-LAR-12315-1] c 37 N82-24490
Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-2] c 37 N82-26674
Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-1] c 27 N82-29453
Damping seal for turbomachinery
[NASA-CASE-MFS-25842-1] c 37 N83-26080
Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-3] c 37 N83-28450
- SEAMS (JOINTS)**
- Traveling sealer for contoured table Patent
[NASA-CASE-XLA-01494] c 15 N71-24164
Omnidirectional joint Patent
[NASA-CASE-XMS-09635] c 05 N71-24623
Method of making pressure tight seal for super alloy
[NASA-CASE-LAR-10170-1] c 37 N74-11301
- SEAT BELTS**
- Shoulder harness and lap belt restraint system
[NASA-CASE-ARC-10519-2] c 05 N75-25915
- SEATS**
- Seat cushion to provide realistic acceleration cues to aircraft simulator pilot
[NASA-CASE-LAR-12149-2] c 09 N79-31228
Variable response load limiting device — for aircraft seats
[NASA-CASE-LAR-12801-1] c 37 N82-20544
Fire blocking systems for aircraft seat cushions
[NASA-CASE-ARC-11423-1] c 03 N83-17525
- SECTORS**
- Journal Bearings
[NASA-CASE-LEW-11076-2] c 37 N74-32921

SECURITY

- Passive intrusion detection system
[NASA-CASE-NPO-13804-1] c 33 N80-23559
Portable appliance security apparatus
[NASA-CASE-GSC-12399-1] c 33 N81-25299
Random digital encryption secure communication system
[NASA-CASE-MS-C-16462-1] c 32 N82-31583
Scanning seismic intrusion detection method and apparatus — monitoring unwanted subterranean entry and departure
[NASA-CASE-ARC-11317-1] c 35 N83-34272
- SEGMENTS**
- Method and apparatus for making curved reflectors
[NASA-CASE-XLE-08917] c 15 N71-15597
- SEISMIC WAVES**
- Seismic displacement transducer Patent
[NASA-CASE-XMF-00478] c 14 N70-34794
Seismic vibration source
[NASA-CASE-NPO-14112-1] c 46 N79-22679
Underwater seismic source — for petroleum exploration
[NASA-CASE-NPO-14255-1] c 46 N79-23555
- SEISMOGRAPHS**
- Scanning seismic intrusion detection method and apparatus — monitoring unwanted subterranean entry and departure
[NASA-CASE-ARC-11317-1] c 35 N83-34272
- SELECTORS**
- Molecular beam velocity selector Patent
[NASA-CASE-XLE-01533] c 11 N71-10777
Peak polarity selector Patent
[NASA-CASE-FRC-10010] c 10 N71-24862
- SELF ALIGNMENT**
- Electro-optical alignment control system Patent
[NASA-CASE-XMF-00908] c 14 N70-40238
- SELF ERECTING DEVICES**
- Flexible foam erectable space structures Patent
[NASA-CASE-XLA-00686] c 31 N70-34135
Erectable modular space station Patent
[NASA-CASE-XLA-00678] c 31 N70-34296
Manned space station Patent
[NASA-CASE-XLA-00258] c 31 N70-38676
Foldable conduit Patent
[NASA-CASE-XLE-00620] c 32 N70-41579
Self-erecting reflector Patent
[NASA-CASE-XGS-09190] c 31 N71-16102
Collapsible reflector Patent
[NASA-CASE-XMS-03454] c 09 N71-20658
- SELF FOCUSING**
- Focal axis resolver for offset reflector antennas
[NASA-CASE-GSC-12630-1] c 33 N83-36355
- SELF LUBRICATING MATERIALS**
- Self-lubricating fluoride metal composite materials Patent
[NASA-CASE-XLE-08511] c 18 N71-23710
Self-lubricating gears and other mechanical parts Patent
[NASA-CASE-MFS-14971] c 15 N71-24984
Method of making bearing material
[NASA-CASE-LEW-11930-3] c 24 N80-33482
- SELF LUBRICATION**
- Method of making bearing materials — self-lubricating, oxidation resistant composites for high temperature applications
[NASA-CASE-LEW-11930-4] c 24 N79-17916
- SELF MANEUVERING UNITS**
- Hand-held self-manuevering unit Patent
[NASA-CASE-XMS-05304] c 05 N71-12336
Personal propulsion unit Patent
[NASA-CASE-MFS-20130] c 28 N71-27585
- SELF PROPAGATION**
- Optical frequency waveguide Patent
[NASA-CASE-HQN-10541-1] c 07 N71-26291
- SELF SEALING**
- Modification of one man life raft
[NASA-CASE-LAR-10241-1] c 54 N74-14845
Self-stabilizing radial face seal
[NASA-CASE-LEW-12991-1] c 37 N81-24442
- SEMICONDUCTOR DEVICES**
- Test fixture for pellet-like electrical elements
[NASA-CASE-XNP-06032] c 09 N69-21926
Semiconductor p-n junction stress and strain sensor
[NASA-CASE-XLA-04980] c 09 N69-27422
A method for selective gold diffusion of monolithic silicon devices and/or circuits Patent application
[NASA-CASE-ERC-10072] c 09 N70-11148
Ultra-long monostable multivibrator employing bistable semiconductor switch to allow charging of timing circuit Patent
[NASA-CASE-XGS-00381] c 09 N70-34819
Method of forming thin window drifted silicon charged particle detector Patent
[NASA-CASE-XLE-00808] c 24 N71-10560

- Method of making a silicon semiconductor device Patent
[NASA-CASE-XLE-02792] c 26 N71-10607
Apparatus and method for separating a semiconductor wafer Patent
[NASA-CASE-ERC-10138] c 26 N71-14354
Voltage tunable Gunn-type microwave generator Patent
[NASA-CASE-XER-07894] c 09 N71-18721
Method and device for determining battery state of charge Patent
[NASA-CASE-NPO-10194] c 03 N71-20407
Multialarm summary alarm Patent
[NASA-CASE-XLE-03061-1] c 10 N71-24798
Method of temperature compensating semiconductor strain gages Patent
[NASA-CASE-XLA-04555-1] c 14 N71-25892
Pneumatic oscillator Patent
[NASA-CASE-LEW-10345-1] c 10 N71-25899
Method and apparatus for detecting gross leaks Patent
[NASA-CASE-ERC-10033] c 14 N71-26672
Transistor drive regulator Patent
[NASA-CASE-LEW-10233] c 10 N71-27126
On-site gross leak tester Patent
[NASA-CASE-ERC-10150] c 14 N71-28992
Method of manufacturing semiconductor devices using refractory dielectrics
[NASA-CASE-XER-08476-1] c 26 N72-17820
Fabrication of single crystal film semiconductor devices
[NASA-CASE-ERC-10222] c 09 N72-22199
Electrical insulating layer process
[NASA-CASE-LEW-10489-1] c 15 N72-25447
Gunn-type solid state devices
[NASA-CASE-XER-07895] c 26 N72-25679
Semiconductor transducer device
[NASA-CASE-ERC-10087-2] c 14 N72-31446
Hermetically sealed semiconductor
[NASA-CASE-GSC-10791-1] c 15 N73-14469
Process for fabricating SiC semiconductor devices
[NASA-CASE-LEW-12094-1] c 76 N76-25049
Semiconductor projectile impact detector
[NASA-CASE-MFS-23008-1] c 35 N78-18390
Apparatus for use in examining the lattice of a semiconductor wafer by X-ray diffraction
[NASA-CASE-MFS-23315-1] c 76 N78-24950
Apparatus for measuring semiconductor device resistance
[NASA-CASE-NPO-14424-1] c 33 N80-32650
Electrical power generating system — for windpowered generation
[NASA-CASE-MFS-24368-3] c 33 N81-22280
Screen printed interdigitated back contact solar cell
[NASA-CASE-LEW-13414-1] c 44 N83-20374
Pyroelectric detector arrays
[NASA-CASE-LAR-12363-2] c 33 N83-24763
Inelastic tunnel diodes
[NASA-CASE-LEW-13833-1] c 33 N83-25983
Method for growing low defect, high purity crystalline layers — photovoltaic cells
[NASA-CASE-NPO-15813-1] c 76 N83-30269
- SEMICONDUCTOR JUNCTIONS**
- Simple method of making photovoltaic junctions Patent
[NASA-CASE-XNP-01960] c 09 N71-23027
Pressure sensitive transducers Patent
[NASA-CASE-ERC-10087] c 14 N71-27334
Semiconductor surface protection material
[NASA-CASE-ERC-10339-1] c 18 N73-30532
JFET oscillator
[NASA-CASE-GSC-12555-1] c 33 N80-26601
High voltage planar multijunction solar cell
[NASA-CASE-LEW-13400-1] c 44 N82-31764
- SEMICONDUCTOR LASERS**
- Integrated opto-electronic laser beam deflector position detector
[NASA-CASE-NPO-15943-1] c 36 N83-20092
- SEMICONDUCTORS (MATERIALS)**
- Depositing semiconductor films utilizing a thermal gradient
[NASA-CASE-XKS-04614] c 15 N69-21460
System for improving signal-to-noise ratio of a communication signal Patent Application
[NASA-CASE-MS-C-12259-1] c 07 N70-12616
High efficiency multivibrator Patent
[NASA-CASE-XAC-00942] c 10 N71-16042
Method of making impurity-type semiconductor electrical contacts Patent
[NASA-CASE-XMF-01016] c 26 N71-17818
Method of electrolytically binding a layer of semiconductors together Patent
[NASA-CASE-XNP-01959] c 26 N71-23043
Gd or Sm doped silicon semiconductor composition Patent
[NASA-CASE-XLE-10715] c 26 N71-23292

- Infrared detectors
[NASA-CASE-LAR-10728-1] c 14 N73-12445
- Traveling wave solid state amplifier utilizing a semiconductor with negative differential mobility
[NASA-CASE-HQN-10069] c 33 N75-27251
- Vapor deposition apparatus --- semiconductors and gallium arsenides
[NASA-CASE-HQN-10462] c 25 N75-29192
- Application of semiconductor diffusants to solar cells by screen printing
[NASA-CASE-LEW-12775-1] c 44 N79-11468
- Method for the preparation of inorganic single crystal and polycrystalline electronic materials
[NASA-CASE-XLE-02545-1] c 76 N79-21910
- Voltage feed through apparatus having reduced partial discharge
[NASA-CASE-GSC-12347-1] c 33 N80-18286
- Method for determining the point of zero zeta potential of semiconductor materials
[NASA-CASE-LAR-12893-1] c 33 N82-26573
- Method of making macrocrystalline or single crystal semiconductive material and products produced thereby --- epitaxial substrates using low melting materials for photovoltaic cells
[NASA-CASE-NPO-15904-1] c 76 N83-21993
- SENSITIVITY**
Active RC networks
[NASA-CASE-ARC-10042-2] c 10 N72-11256
- SENSITOMETRY**
Condition sensor system and method
[NASA-CASE-MSC-14805-1] c 54 N78-32720
- SENSORS**
Bonding method in the manufacture of continuous regression rate sensor devices
[NASA-CASE-LAR-10337-1] c 24 N75-30260
- Medical subject monitoring systems --- multichannel monitoring systems
[NASA-CASE-MSC-14180-1] c 52 N76-14757
- SENSORY PERCEPTION**
Tactile sensing means for prosthetic limbs
[NASA-CASE-MFS-16570-1] c 05 N73-32013
- SEPARATED FLOW**
Thrust vector control apparatus Patent
[NASA-CASE-XLE-00208] c 28 N70-34294
- Double hinged flap Patent
[NASA-CASE-XLA-01290] c 02 N70-42016
- Mixture separation cell Patent
[NASA-CASE-XMS-02952] c 18 N71-20742
- Flow separation detector
[NASA-CASE-ARC-11046-1] c 35 N78-14364
- SEPARATORS**
Condenser - Separator
[NASA-CASE-XLA-08645] c 15 N69-21465
- Umbilical separator for rockets Patent
[NASA-CASE-XNP-00425] c 11 N70-38202
- Liquid-gas separation system Patent
[NASA-CASE-XMS-01624] c 15 N70-40062
- Zero gravity separator Patent
[NASA-CASE-XLE-00586] c 15 N71-15968
- Separator Patent
[NASA-CASE-XLA-00415] c 15 N71-16079
- Water separating system Patent
[NASA-CASE-XMS-13052] c 14 N71-20427
- Vapor liquid separator Patent
[NASA-CASE-XMF-04042] c 15 N71-23023
- Air removal device
[NASA-CASE-XLA-8914] c 15 N73-12492
- Centrifugal lyophobic separator
[NASA-CASE-LAR-10194-1] c 34 N74-30608
- Fluid control apparatus and method
[NASA-CASE-LAR-11110-1] c 34 N75-26282
- Method and apparatus for fluffing, separating, and cleaning fibers
[NASA-CASE-LAR-11224-1] c 37 N76-18456
- Gels as battery separators for soluble electrode cells
[NASA-CASE-LEW-12364-1] c 44 N77-22606
- Low gravity phase separator
[NASA-CASE-MSC-14773-1] c 35 N78-12390
- Automatic multiple-sample applicator and electrophoresis apparatus
[NASA-CASE-ARC-10991-1] c 25 N78-14104
- Counter pumping debris excluder and separator --- gas turbine shaft seals
[NASA-CASE-LEW-11855-1] c 07 N78-25090
- Inorganic-organic separators for alkaline batteries
[NASA-CASE-LEW-12649-1] c 44 N78-25530
- Formulated plastic separators for soluble electrode cells --- rubber-ion transport membranes
[NASA-CASE-LEW-12358-1] c 44 N79-17313
- Water separator
[NASA-CASE-XMS-01295-1] c 37 N79-21345
- In situ self cross-linking of polyvinyl alcohol battery separators
[NASA-CASE-LEW-12972-1] c 44 N79-25481
- Partial interlaminar separation system for composites
[NASA-CASE-LAR-12065-1] c 24 N81-14000
- Polyvinyl alcohol battery separator containing inert filler --- alkaline batteries
[NASA-CASE-LEW-13556-1] c 44 N81-27615
- Alkaline battery containing a separator of a cross-linked copolymer of vinyl alcohol and unsaturated carboxylic acid
[NASA-CASE-LEW-13102-1] c 44 N81-29531
- Method of making formulated plastic separators for soluble electrode cells
[NASA-CASE-LEW-12358-2] c 25 N82-21268
- Process of treating cellulosic membrane and alkaline with membrane separator
[NASA-CASE-GSC-10019-1] c 44 N82-24641
- Separator for alkaline batteries and method of making same
[NASA-CASE-GSC-10350-1] c 44 N82-24642
- Separator for alkaline electric cells and method of making
[NASA-CASE-GSC-10017-1] c 44 N82-24643
- Separator for alkaline electric batteries and method of making
[NASA-CASE-GSC-10018-1] c 44 N82-24644
- Alkaline electrochemical cells and method of making
[NASA-CASE-GSC-10349-1] c 44 N82-24645
- Acoustic particle separation
[NASA-CASE-NPO-15559-1] c 71 N82-29112
- Aqueous alkali metal hydroxide insoluble cellulose ether membrane
[NASA-CASE-XGS-05584-1] c 25 N82-29370
- Advanced inorganic separators for alkaline batteries
[NASA-CASE-LEW-13171-1] c 44 N82-29708
- Electrophoresis device
[NASA-CASE-MFS-25426-1] c 25 N83-10126
- Static continuous electrophoresis device
[NASA-CASE-MFS-25306-1] c 25 N83-13187
- Polyvinyl alcohol battery separator containing inert filler
[NASA-CASE-LEW-13556-2] c 44 N83-29805
- Advanced inorganic separators for alkaline batteries and method of making the same
[NASA-CASE-LEW-13171-2] c 44 N83-32176
- SEQUENCING**
Synchronous counter Patent
[NASA-CASE-XGS-02440] c 08 N71-19432
- Control apparatus for applying pulses of selectively predetermined duration to a sequence of loads Patent
[NASA-CASE-XGS-04224] c 10 N71-26418
- Digital function generator
[NASA-CASE-NPO-11104] c 08 N72-22165
- MOD 2 sequential function generator for multibit binary sequence
[NASA-CASE-NPO-10636] c 08 N72-25210
- Pseudonoise sequence generators with three tap linear feedback shift registers
[NASA-CASE-NPO-11406] c 08 N73-12175
- Mechanical sequencer
[NASA-CASE-MSC-19536-1] c 37 N77-22482
- Method for sequentially processing a multi-level interconnect circuit in a vacuum chamber
[NASA-CASE-MFS-15670-1] c 33 N82-33634
- SEQUENTIAL ANALYSIS**
Binary coded sequential acquisition ranging system
[NASA-CASE-NPO-11194] c 08 N72-25209
- Event sequence detector
[NASA-CASE-NPO-11703-1] c 10 N73-32144
- SEQUENTIAL COMPUTERS**
Digital data reformatter/deserializer
[NASA-CASE-NPO-13676-1] c 60 N79-20751
- SEQUENTIAL CONTROL**
Linear three-tap feedback shift register Patent
[NASA-CASE-NPO-10351] c 08 N71-12503
- Binary sequence detector Patent
[NASA-CASE-XNP-05415] c 08 N71-12505
- Sequencing device utilizing planetary gear set
[NASA-CASE-MSC-19514-1] c 37 N79-20377
- SERUMS**
Reduction of blood serum cholesterol
[NASA-CASE-NPO-12119-1] c 52 N75-15270
- SERVICE LIFE**
Electro-mechanical sine/cosine generator
[NASA-CASE-LAR-10503-1] c 09 N72-21248
- Stirling cycle cryogenic cooler
[NASA-CASE-LAR-12697-1] c 44 N83-28574
- SERVOAMPLIFIERS**
Pneumatic amplifier Patent
[NASA-CASE-MSC-12121-1] c 15 N71-27147
- SERVOCONTROL**
Monopulse system with an electronic scanner
[NASA-CASE-XGS-05582] c 07 N69-27460
- Proportional controller Patent
[NASA-CASE-XAC-03392] c 03 N70-41954
- Light intensity modulator controller Patent
[NASA-CASE-XMS-04300] c 09 N71-19479
- Strain coupled servo control system Patent
[NASA-CASE-XLA-08530] c 32 N71-25360
- Energy limiter for hydraulic actuators Patent
[NASA-CASE-ARC-10131-1] c 15 N71-27754
- Digital servo controller --- for rotating antenna shaft
[NASA-CASE-KSC-10769-1] c 33 N74-29556
- Digital servo control of random sound test excitation --- in reverberant acoustic chamber
[NASA-CASE-NPO-11623-1] c 71 N74-31148
- Phase-locked servo system --- for synchronizing the rotation of slip ring assembly
[NASA-CASE-MFS-22073-1] c 33 N75-13139
- Servo-controlled intravital microscope system
[NASA-CASE-NPO-13214-1] c 35 N75-25123
- Autonomous navigation system --- gyroscopic pendulum for air navigation
[NASA-CASE-ARC-11257-1] c 04 N81-21047
- Control system for an induction motor with energy recovery
[NASA-CASE-MFS-25477-1] c 33 N82-22437
- System and method for moving a probe to follow movements of tissue
[NASA-CASE-NPO-15197-1] c 52 N83-25346
- Memory metal actuator --- for use in electromechanical servocontrol systems
[NASA-CASE-NPO-15960-1] c 37 N83-36485
- SERVOMECHANISMS**
Interferometer servo system Patent
[NASA-CASE-NPO-10300] c 14 N71-17662
- Line following servosystem Patent
[NASA-CASE-XAC-00001] c 15 N71-28952
- A dc servosystem including an ac motor Patent
[NASA-CASE-NPO-10700] c 07 N71-33613
- Ball screw linear actuator
[NASA-CASE-NPO-11222] c 15 N72-25456
- Rotary actuator
[NASA-CASE-NPO-10680] c 31 N73-14855
- Hydraulic drain means for servo-systems
[NASA-CASE-NPO-10316-1] c 37 N77-22479
- Actuator mechanism
[NASA-CASE-GSC-11883-2] c 37 N78-31426
- Apparatus for providing a servo drive signal in a high-speed stepping interferometer
[NASA-CASE-NPO-13569-2] c 35 N79-14348
- Automated syringe sampler --- remote sampling of air and water
[NASA-CASE-LAR-12308-1] c 35 N81-29407
- Electrical servo actuator bracket --- fuel control valves on jet engines
[NASA-CASE-FRC-11044-1] c 37 N81-33483
- A simplified power factor controller with increased energy saving circuit
[NASA-CASE-MFS-25323-1] c 33 N82-12349
- Hydraulic actuator mechanism to control aircraft spoiler movements through dual input commands
[NASA-CASE-LAR-12412-1] c 08 N82-24205
- Servomechanism for Doppler shift compensation in optical correlator for synthetic aperture radar
[NASA-CASE-NPO-14998-1] c 32 N83-18975
- SERVOMOTORS**
Automatic closed circuit television arc guidance control Patent
[NASA-CASE-MFS-13046] c 07 N71-19433
- Transistor servo system including a unique differential amplifier circuit Patent
[NASA-CASE-XMF-05195] c 10 N71-24861
- Cyclically operable optical shutter
[NASA-CASE-NPO-10758] c 14 N73-14427
- Rotary actuator
[NASA-CASE-NPO-10680] c 31 N73-14855
- Velocity servo for continuous scan Fourier interference spectrometer
[NASA-CASE-NPO-14093-1] c 35 N80-20563
- SEWAGE TREATMENT**
Sewage sludge additive
[NASA-CASE-NPO-13877-1] c 45 N82-11634
- SHAFTS (MACHINE ELEMENTS)**
Fatigue-resistant shear pin
[NASA-CASE-XLA-09122] c 15 N69-27505
- Elastic universal joint Patent
[NASA-CASE-XNP-00416] c 15 N70-36947
- Apparatus for absorbing and measuring power Patent
[NASA-CASE-XLE-00720] c 14 N70-40201
- Two-axis controller Patent
[NASA-CASE-XFR-04104] c 03 N70-42073
- Ratchet mechanism Patent
[NASA-CASE-MFS-12805] c 15 N71-17805
- Frictionless universal joint Patent
[NASA-CASE-NPO-10646] c 15 N71-28467
- Spiral groove seal
[NASA-CASE-XLE-10326-2] c 15 N72-29488
- High speed hybrid bearing comprising a fluid bearing and a rolling bearing convected in series
[NASA-CASE-LEW-11152-1] c 15 N73-32359
- Spiral groove seal --- for hydraulic rotating shaft
[NASA-CASE-LEW-10326-3] c 37 N74-10474
- Hole cutter --- drill bits and rotating shaft
[NASA-CASE-MFS-22649-1] c 37 N75-25186

Twin-capacitive shaft angle encoder with analog output signal
[NASA-CASE-ARC-10897-1] c 33 N77-31404

Counter pumping debris excluder and separator --- gas turbine shaft seals
[NASA-CASE-LEW-11855-1] c 07 N78-25090

Sequencing device utilizing planetary gear set
[NASA-CASE-MS-19514-1] c 37 N79-20377

Shaft seal assembly for high speed and high pressure applications
[NASA-CASE-LEW-11873-1] c 37 N79-22475

Speed control device for a heavy duty shaft --- solar sails for spacecraft propulsion
[NASA-CASE-NPO-14170-1] c 37 N81-15364

Hot gas engine with dual crankshafts
[NASA-CASE-NPO-14221-1] c 37 N81-25370

Circumferential shaft seal
[NASA-CASE-LEW-12119-2] c 37 N81-26447

Inflatable device for installing strain gage bridges
[NASA-CASE-FRC-11068-1] c 35 N82-24473

Hermetic seal for a shaft
[NASA-CASE-NPO-15115-1] c 37 N82-24493

Vertical shaft windmill
[NASA-CASE-LAR-12923-1] c 44 N82-29713

Portable 90 deg proof loading device
[NASA-CASE-MS-20250-1] c 37 N83-29707

SHALE OIL
In-situ laser retorting of oil shale
[NASA-CASE-LEW-12217-1] c 43 N78-14452

SHALES
Coal-shale interface detection
[NASA-CASE-MFS-23720-3] c 43 N79-25443

Coal-shale interface detection system
[NASA-CASE-MFS-23720-2] c 43 N80-14423

Coal-shale interface detector
[NASA-CASE-MFS-23720-1] c 43 N80-23711

SHAPE MEMORY ALLOYS
Rotary stepping device with memory metal actuator
[NASA-CASE-NPO-15482-1] c 37 N83-36484

Memory metal actuator --- for use in electromechanical servocontrol systems
[NASA-CASE-NPO-15960-1] c 37 N83-36485

SHAPED CHARGES
Coupling for linear shaped charge Patent
[NASA-CASE-XLA-00189] c 33 N70-36846

Lateral displacement system for separated rocket stages
[NASA-CASE-XLA-04804] c 31 N71-23008

SHAPERS
Mandrel for shaping solid propellant rocket fuel into a motor casing Patent
[NASA-CASE-XLA-00304] c 27 N70-34783

Tube dimpling tool Patent
[NASA-CASE-XMS-06876] c 15 N71-21536

Dielectric molding apparatus Patent
[NASA-CASE-LAR-10121-1] c 15 N71-26721

SHARKS
Process for conditioning tanned sharkskin and articles made therefrom Patent
[NASA-CASE-XMS-09691-1] c 18 N71-15545

SHARPNESS
Method of forming a sharp edge on an optical device
[NASA-CASE-GSC-12348-1] c 74 N80-24149

SHEAR CREEP
Instrument for measuring torsional creep and recovery
[NASA-CASE-XLE-01481] c 14 N71-10781

SHEAR FLOW
Shear modulated fluid amplifier Patent
[NASA-CASE-MFS-10412] c 12 N71-17578

SHEAR PROPERTIES
Parallel plate viscometer Patent
[NASA-CASE-XNP-09462] c 14 N71-17584

SHEAR STRESS
Fatigue-resistant shear pin
[NASA-CASE-XLA-09122] c 15 N69-27505

Angular velocity and acceleration measuring apparatus
[NASA-CASE-ERC-10292] c 14 N72-25410

Bonded joint and method --- for reducing peak shear stress in adhesive bonds
[NASA-CASE-LAR-10900-1] c 37 N74-23064

SHEARING
Longwall shearer tracking system
[NASA-CASE-MFS-25717-1] c 43 N83-14607

Elastomer coated filler and composites thereof comprising at least 60% by weight of a hydrated filler and an elastomer containing an acid substituent
[NASA-CASE-NPO-14857-1] c 27 N83-19900

SHELLS (STRUCTURAL FORMS)
Channel-type shell construction for rocket engines and the like Patent
[NASA-CASE-XLE-00144] c 28 N70-34860

Ring-cusp ion thruster with shell anode
[NASA-CASE-LEW-13881-1] c 72 N83-21903

SHIELDING

Spherical shield Patent
[NASA-CASE-XNP-01855] c 15 N71-28937

Shielded flat cable
[NASA-CASE-MFS-13687-2] c 09 N72-22198

System for the measurement of ultra-low stray light levels --- determining the adequacy of large space telescope systems
[NASA-CASE-MFS-23513-1] c 74 N79-11865

SHIFT REGISTERS

Binary to binary-coded-decimal converter Patent
[NASA-CASE-XNP-00432] c 08 N70-35423

Linear three-tap feedback shift register Patent
[NASA-CASE-NPO-10351] c 08 N71-12503

Counter and shift register Patent
[NASA-CASE-XNP-01753] c 08 N71-22897

Current steering commutator
[NASA-CASE-NPO-10743] c 08 N72-21199

Feedback shift register with states decomposed into cycles of equal length
[NASA-CASE-NPO-11082] c 08 N72-22167

MOD 2 sequential function generator for multibit binary sequence
[NASA-CASE-NPO-10636] c 08 N72-25210

Pseudonoise sequence generators with three tap linear feedback shift registers
[NASA-CASE-NPO-11406] c 08 N73-12175

A m-ary linear feedback shift register with binary logic
[NASA-CASE-NPO-11868] c 10 N73-20254

Counting digital filters
[NASA-CASE-NPO-11821-1] c 08 N73-26175

Event sequence detector
[NASA-CASE-NPO-11703-1] c 10 N73-32144

Method and apparatus for decoding compatible convolutional codes
[NASA-CASE-MS-14070-1] c 32 N74-32598

Nonlinear nonsingular feedback shift registers
[NASA-CASE-NPO-13451-1] c 33 N76-14373

Selective data segment monitoring system --- using shift registers
[NASA-CASE-ARC-10899-1] c 60 N77-19760

Digital data reformatter/deserializer
[NASA-CASE-NPO-13676-1] c 60 N79-20751

SHOCK ABSORBERS

Pivotal shock absorbing pad assembly Patent
[NASA-CASE-XMF-03856] c 31 N70-34159

Frangible tube energy dissipation Patent
[NASA-CASE-XLA-00754] c 15 N70-34850

Shock absorbing support and restraint means Patent
[NASA-CASE-XMS-01240] c 05 N70-35152

Energy absorbing structure Patent Application
[NASA-CASE-MS-12279-1] c 15 N70-35679

Landing pad assembly for aerospace vehicles Patent
[NASA-CASE-XMF-02853] c 31 N70-36654

Space craft soft landing system Patent
[NASA-CASE-XMF-02108] c 31 N70-36845

Double-acting shock absorber Patent
[NASA-CASE-XMF-01045] c 15 N70-40354

Articulated multiple couch assembly Patent
[NASA-CASE-MS-11253] c 05 N71-12343

Shock absorber Patent
[NASA-CASE-XMS-03722] c 15 N71-21530

Impact energy absorber Patent
[NASA-CASE-XLA-01530] c 14 N71-23092

Low onset rate energy absorber
[NASA-CASE-MS-12279] c 15 N72-17450

Impact energy absorbing system utilizing fracturable material
[NASA-CASE-NPO-10671] c 15 N72-20443

Translatory shock absorber for attitude sensors
[NASA-CASE-MFS-22905-1] c 19 N76-22284

Vehicular impact absorption system
[NASA-CASE-NPO-14014-1] c 37 N79-10420

Variable response load limiting device --- for aircraft seats
[NASA-CASE-LAR-12801-1] c 37 N82-20544

SHOCK LOADS

Wind tunnel model damper Patent
[NASA-CASE-XLA-09480] c 11 N71-33612

SHOCK MEASURING INSTRUMENTS

Semiconductor projectile impact detector
[NASA-CASE-MFS-23008-1] c 35 N78-18390

SHOCK RESISTANCE

Method and apparatus for shock protection Patent
[NASA-CASE-XLA-00482] c 15 N70-36409

Thermal shock resistant hafnia ceramic material
[NASA-CASE-LAR-10894-1] c 18 N73-14584

Thermal shock and erosion resistant tantalum carbide ceramic material
[NASA-CASE-LAR-11902-1] c 27 N78-17206

Method of fabricating an abradable gas path seal
[NASA-CASE-LEW-13269-2] c 27 N83-17714

Laser surface fusion of plasma sprayed ceramic turbine seals
[NASA-CASE-LEW-13269-1] c 18 N83-20996

SHOCK TUBES

Means for controlling rupture of shock tube diaphragms Patent
[NASA-CASE-XAC-00731] c 11 N71-15960

Shock tube bypass piston tunnel
[NASA-CASE-NPO-12109] c 11 N72-22245

Annular arc accelerator shock tube
[NASA-CASE-NPO-13528-1] c 09 N77-10071

SHOCK WAVE INTERACTION

Absorptive splitter for closely spaced supersonic engine air inlets Patent
[NASA-CASE-XLA-02865] c 28 N71-15563

SHOCK WAVE LUMINESCENCE

Shock-layer radiation measurement
[NASA-CASE-XAC-02970] c 14 N69-39896

SHOCK WAVE PROFILES

Shock-layer radiation measurement
[NASA-CASE-XAC-02970] c 14 N69-39896

Adapter for mounting a microphone flush with the external surface of the skin of a pressurized aircraft
[NASA-CASE-FRC-11072-1] c 05 N83-27975

SHOCK WAVES

Shock tube powder dispersing apparatus Patent
[NASA-CASE-XLE-04946] c 17 N71-24911

Shock wave convergence apparatus
[NASA-CASE-MFS-20890] c 14 N72-22439

Synthesis of superconducting compounds by explosive compaction of powders
[NASA-CASE-MFS-20881-1] c 18 N73-32437

Shock position sensor for supersonic inlets --- measuring pressure in the throat of a supersonic inlet
[NASA-CASE-LEW-11915-1] c 35 N76-14431

SHOES

Jet shoes
[NASA-CASE-XLA-08491] c 05 N69-21380

SHORT CIRCUITS

Protection for energy conversion systems
[NASA-CASE-XGS-04808] c 03 N69-25146

Trode thermionic energy converter
[NASA-CASE-XLE-01015] c 03 N69-39898

Analog to digital converter tester Patent
[NASA-CASE-XLA-06713] c 14 N71-28991

Apparatus including a plurality of spaced transformers for locating short circuits in cables
[NASA-CASE-KSC-10899-1] c 33 N79-18193

Test apparatus for locating shorts during assembly of electrical buses
[NASA-CASE-ARC-11116-1] c 33 N82-24420

SHOT PEENING

Method of peening and portable peening gun
[NASA-CASE-MFS-23047-1] c 37 N76-18454

SHROUDED NOZZLES

Two dimensional wedge/translating shroud nozzle
[NASA-CASE-LAR-11919-1] c 07 N78-27121

SHROUDED TURBINES

Composite seal for turbomachinery --- backings for turbine engine shrouds
[NASA-CASE-LEW-12131-1] c 37 N79-18318

Gas path seal
[NASA-CASE-NPO-12131-3] c 37 N80-18400

Composite seal for turbomachinery
[NASA-CASE-LEW-12131-2] c 37 N80-26658

Laser surface fusion of plasma sprayed ceramic turbine seals
[NASA-CASE-LEW-13269-1] c 18 N83-20996

SHROUDS

Composite powerplant and shroud therefor Patent
[NASA-CASE-XLA-01043] c 28 N71-10780

Composite seal for turbomachinery --- backings for turbine engine shrouds
[NASA-CASE-LEW-12131-1] c 37 N79-18318

Composite seal for turbomachinery
[NASA-CASE-LEW-12131-3] c 37 N82-19540

Active clearance control system for a turbomachine
[NASA-CASE-LEW-12938-1] c 07 N82-32366

Method of fabricating an abradable gas path seal
[NASA-CASE-LEW-13269-2] c 27 N83-17714

SHUTTERS

High speed shutter --- electrically actuated ribbon loop for shuttering optical or fluid passageways
[NASA-CASE-ARC-10516-1] c 70 N74-21300

SHUTTLE DERIVED VEHICLES

Three stage rocket vehicle with parallel staging --- space transportation system
[NASA-CASE-MFS-25878-1] c 18 N83-12138

SIDE INLETS

Low-drag ground vehicle particularly suited for use in safely transporting livestock
[NASA-CASE-FRC-11058-1] c 85 N82-33288

SIDE BANDS

Phase-locked loop with sideband rejecting properties Patent
[NASA-CASE-XNP-02723] c 07 N70-41680

SIDELobe REDUCTION

Dual mode horn antenna Patent
[NASA-CASE-XNP-01057] c 07 N71-15907

SIGNAL ANALYSIS

- Signal detection and tracking apparatus Patent
[NASA-CASE-XGS-03502] c 10 N71-20852
- Method and apparatus for a single channel digital communications system --- synchronization of received PCM signal by digital correlation with reference signal
[NASA-CASE-NPO-11302-2] c 32 N74-10132
- Differential phase shift keyed signal resolver
[NASA-CASE-MS-C-14066-1] c 33 N74-27705
- Correlation type phase detector --- with time correlation integrator for frequency multiplexed signals
[NASA-CASE-GSC-11744-1] c 33 N75-26243
- Real time analysis of voiced sounds
[NASA-CASE-NPO-13465-1] c 32 N76-31372
- Digital plus analog output encoder
[NASA-CASE-GSC-12115-1] c 62 N76-31946
- Serial data correlator/code translator
[NASA-CASE-KSC-11025-1] c 32 N83-13323

SIGNAL ANALYZERS

- System for monitoring signal amplitude ranges
[NASA-CASE-XMS-04061-1] c 09 N69-39885
- Sampled data controller Patent
[NASA-CASE-GSC-10554-1] c 08 N71-29033
- Family of frequency to amplitude converters
[NASA-CASE-MS-C-12395] c 09 N72-25257
- Apparatus for statistical time-series analysis of electrical signals
[NASA-CASE-MS-C-12428-1] c 10 N73-25240
- Pulse stretcher for narrow pulses
[NASA-CASE-MS-C-14130-1] c 33 N74-32711
- Electronic optical transfer function analyzer
[NASA-CASE-MFS-21672-1] c 74 N76-19935
- Speech analyzer
[NASA-CASE-GSC-11898-1] c 32 N77-30309

SIGNAL DETECTION

- Position location system and method Patent
[NASA-CASE-GSC-10087-2] c 21 N71-13958
- Method of detecting impending saturation of magnetic cores
[NASA-CASE-ERC-10089] c 23 N72-17747
- Anti-multipath digital signal detector
[NASA-CASE-LAR-11827-1] c 32 N77-10392
- Multiple rate digital command detection system with range clean-up capability
[NASA-CASE-NPO-13753-1] c 32 N77-20289
- Automatic communication signal monitoring system
[NASA-CASE-NPO-13941-1] c 32 N79-10262
- Apparatus and method for stabilized phase detection for binary signal tracking loops
[NASA-CASE-MS-C-16461-1] c 33 N79-11313
- Receiving and tracking phase modulated signals
[NASA-CASE-MS-C-16170-2] c 32 N81-16338

SIGNAL DETECTORS

- Surface roughness detector Patent
[NASA-CASE-XLA-00203] c 14 N70-34161
- Pulse amplitude and width detector Patent
[NASA-CASE-XMF-06519] c 09 N71-12519
- System for monitoring the presence of neutrals in a stream of ions Patent
[NASA-CASE-XNP-02592] c 24 N71-20518
- Digital modulator and demodulator Patent
[NASA-CASE-ERC-10041] c 08 N71-29138
- Coal-shale interface detection system
[NASA-CASE-MFS-23720-2] c 43 N80-14423
- Pulse transducer with artifact signal attenuator --- heart rate sensors
[NASA-CASE-FRC-11012-1] c 52 N80-23969
- Self-calibrating threshold detector
[NASA-CASE-MS-C-16370-1] c 35 N81-19427
- Maser amplifier slow wave structure --- detecting weak signals from spacecraft
[NASA-CASE-NPO-15211-1] c 36 N81-24425
- Tnac failure detector
[NASA-CASE-MFS-25607-1] c 33 N83-34190

SIGNAL DISTORTION

- Low distortion receiver for bi-level baseband PCM waveforms
[NASA-CASE-MS-C-14557-1] c 32 N76-16249

SIGNAL ENCODING

- Adaptive compression of communication signals Patent
[NASA-CASE-XLA-03076] c 07 N71-11266
- Self-calibrating threshold detector
[NASA-CASE-MS-C-16370-1] c 35 N81-19427
- Random digital encryption secure communication system
[NASA-CASE-MS-C-16462-1] c 32 N82-31583

SIGNAL GENERATORS

- Plural recorder system
[NASA-CASE-XMS-06949] c 09 N69-21467
- Signal generator
[NASA-CASE-XNP-05612] c 09 N69-21468
- Means for generating a sync signal in an FM communication system Patent
[NASA-CASE-XNP-10830] c 07 N71-11281

- Array phasing device Patent
[NASA-CASE-ERC-10046] c 10 N71-18722
- Sidereal frequency generator Patent
[NASA-CASE-XGS-02610] c 14 N71-23174
- Controllers Patent
[NASA-CASE-XMS-07487] c 15 N71-23255
- Signal ratio system utilizing voltage controlled oscillators Patent
[NASA-CASE-XMF-04367] c 09 N71-23545
- Signal processing apparatus for multiplex transmission Patent
[NASA-CASE-NPO-10388] c 07 N71-24622
- Multialarm summary alarm Patent
[NASA-CASE-XLE-03061-1] c 10 N71-24798
- Adaptive system and method for signal generation Patent
[NASA-CASE-GSC-11367] c 10 N71-26374
- Voltage dropout sensor Patent
[NASA-CASE-KSC-10020] c 10 N71-27338
- System for controlling the operation of a variable signal device
[NASA-CASE-NPO-11064] c 07 N72-11150
- Digital function generator
[NASA-CASE-NPO-11104] c 08 N72-22165
- Hall effect transducer
[NASA-CASE-LAR-10820-1] c 09 N72-25255
- Gunn-type solid state devices
[NASA-CASE-XER-07895] c 26 N72-25679
- Audio frequency marker system
[NASA-CASE-NPO-11147] c 14 N72-27408
- Digital servo control of random sound test excitation --- in reverberant acoustic chamber
[NASA-CASE-NPO-11623-1] c 71 N74-31148
- Signal conditioner test set
[NASA-CASE-KSC-10750-1] c 35 N75-12270
- System for generating timing and control signals
[NASA-CASE-NPO-13125-1] c 33 N75-19519
- Pseudo-noise test set for communication system evaluation --- test signals
[NASA-CASE-MFS-22671-1] c 35 N75-21582
- NDIR gas analyzer based on absorption modulation ratios for known and unknown samples
[NASA-CASE-ARC-10802-1] c 35 N75-30502
- Twin-capacitive shaft angle encoder with analog output signal
[NASA-CASE-ARC-10897-1] c 33 N77-31404
- Apparatus for providing a servo drive signal in a high-speed stepping interferometer
[NASA-CASE-NPO-13569-2] c 35 N79-14348
- Versatile LDV burst simulator
[NASA-CASE-LAR-11859-1] c 35 N79-14349
- Underwater seismic source --- for petroleum exploration
[NASA-CASE-NPO-14255-1] c 46 N79-23555
- Frequency translating phase conjugation circuit for active retrodirective antenna array --- microwave transmission
[NASA-CASE-NPO-14536-1] c 32 N81-14185
- Integrated control system for a gas turbine engine
[NASA-CASE-LEW-12594-2] c 07 N81-19116
- Motor power factor controller with a reduced voltage starter
[NASA-CASE-MFS-25586-1] c 33 N82-11360
- Magnetic heading reference
[NASA-CASE-LAR-12638-1] c 44 N82-24716
- Real time pressure signal system for a rotary engine
[NASA-CASE-LEW-13622-1] c 07 N82-26294
- Inflight IFR procedures simulator
[NASA-CASE-KSC-11218-1] c 09 N82-29331
- Combinational logic for generating gate drive signals for phase control rectifiers
[NASA-CASE-MFS-25208-1] c 33 N83-10345
- Adaptive reference voltage generator for firing angle control of line-commutated inverters
[NASA-CASE-MFS-25215-1] c 33 N83-31953

SIGNAL MIXING

- Signal multiplexer
[NASA-CASE-XGS-01110] c 07 N69-24334
- Baseband signal combiner for large aperture antenna array
[NASA-CASE-NPO-14641-1] c 32 N81-29308

SIGNAL PROCESSING

- Adaptive compression of communication signals Patent
[NASA-CASE-XLA-03076] c 07 N71-11266
- Television signal scan rate conversion system Patent
[NASA-CASE-XMS-07168] c 07 N71-11300
- Difference circuit Patent
[NASA-CASE-XNP-08274] c 10 N71-13537
- Correlation function apparatus Patent
[NASA-CASE-XNP-00746] c 07 N71-21476
- Sidereal frequency generator Patent
[NASA-CASE-XGS-02610] c 14 N71-23174
- Feedback integrator with grounded capacitor Patent
[NASA-CASE-XAC-10607] c 10 N71-23669

- Signal processing apparatus for multiplex transmission Patent
[NASA-CASE-NPO-10388] c 07 N71-24622
- Television signal processing system Patent
[NASA-CASE-NPO-10140] c 07 N71-24742
- Electronic scanning of 2-channel monopulse patterns Patent
[NASA-CASE-GSC-10299-1] c 09 N71-24804
- Remodulator filter Patent
[NASA-CASE-NPO-10198] c 09 N71-24806
- Video sync processor Patent
[NASA-CASE-KSC-10002] c 10 N71-25865
- Transient video signal recording with expanded playback Patent
[NASA-CASE-ARC-10003-1] c 09 N71-25866
- Phase multiplying electronic scanning system Patent
[NASA-CASE-NPO-10302] c 10 N71-26142
- Variable frequency nuclear magnetic resonance spectrometer Patent
[NASA-CASE-XNP-09830] c 14 N71-26266
- Digital modulator and demodulator Patent
[NASA-CASE-ERC-10041] c 08 N71-29138
- Digital pulse width selection circuit Patent
[NASA-CASE-XLA-07788] c 09 N71-29139
- Phase shift circuit apparatus
[NASA-CASE-ARC-10269-1] c 10 N72-16172
- Contourograph system for monitoring electrocardiograms
[NASA-CASE-MS-C-13407-1] c 10 N72-20225
- Recorder using selective noise filter
[NASA-CASE-ERC-10112] c 07 N72-21119
- Logarithmic function generator utilizing an exponentially varying signal in an inverse manner
[NASA-CASE-ERC-10267] c 09 N72-23173
- Flexible computer accessed telemetry
[NASA-CASE-NPO-11358] c 07 N72-25172
- Data processor with conditionally supplied clock signals
[NASA-CASE-GSC-10975-1] c 08 N73-13187
- Multichannel telemetry system
[NASA-CASE-NPO-11572] c 07 N73-16121
- Measurement system
[NASA-CASE-MFS-20658-1] c 14 N73-30386
- Digital to analog conversion apparatus
[NASA-CASE-MS-C-12458-1] c 08 N73-32081
- Fluid pressure amplifier and system
[NASA-CASE-LAR-10868-1] c 33 N74-11050
- Low level signal limiter
[NASA-CASE-XLE-04791] c 32 N74-22096
- Miniature multichannel biotelemetry system
[NASA-CASE-NPO-13065-1] c 52 N74-26625
- Apparatus and method for processing Korotkov sounds --- for blood pressure measurement
[NASA-CASE-MS-C-13999-1] c 52 N74-26626
- Pulse stretcher for narrow pulses
[NASA-CASE-MS-C-14130-1] c 33 N74-32711
- Continuous Fourier transform method and apparatus --- for the analysis of simultaneous analog signal components
[NASA-CASE-ARC-10466-1] c 60 N75-13539
- Signal conditioning circuit apparatus --- with constant input impedance
[NASA-CASE-ARC-10348-1] c 33 N75-19518
- Television noise reduction device
[NASA-CASE-MS-C-12607-1] c 32 N75-21485
- Isolated output system for a class D switching-mode amplifier
[NASA-CASE-MFS-21616-1] c 33 N75-30429
- Compact bi-phase pulse coded modulation decoder
[NASA-CASE-KSC-10834-1] c 33 N76-14371
- Filtering device --- removing electromagnetic noise from voice communication signals
[NASA-CASE-MFS-22729-1] c 32 N76-21366
- System for measuring Reynolds in a turbulently flowing fluid --- signal processing
[NASA-CASE-ARC-10755-2] c 34 N76-27517
- Three phase full wave dc motor decoder
[NASA-CASE-GSC-11824-1] c 33 N77-26386
- Apparatus for determining thermophysical properties of test specimens
[NASA-CASE-LAR-11883-1] c 09 N77-27131
- Analog to digital converter for two-dimensional radiant energy array computers
[NASA-CASE-GSC-11839-3] c 60 N77-32731
- Hearing aid malfunction detection system
[NASA-CASE-MS-C-14916-1] c 33 N78-10375
- Swept group delay measurement
[NASA-CASE-NPO-13909-1] c 33 N78-25319
- Quadrature demodulation
[NASA-CASE-GSC-12137-1] c 33 N78-32338
- Bit error rate measurement above and below bit rate tracking threshold
[NASA-CASE-MS-C-12743-1] c 32 N79-10263
- Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths
[NASA-CASE-NPO-14525-1] c 32 N79-19195

- Electrochemical detection device --- for use in microbiology
[NASA-CASE-LAR-11922-1] c 25 N79-24073
- Scannable beam forming interferometer antenna array system
[NASA-CASE-GSC-12365-1] c 32 N80-28578
- System for plotting subsoil structure and method therefor
[NASA-CASE-NPO-14191-1] c 31 N80-32584
- Navigation system and method
[NASA-CASE-GSC-12508-1] c 04 N81-26085
- CCD correlated quadruple sampling processor
[NASA-CASE-NPO-14426-1] c 33 N81-27396
- Interleaving device
[NASA-CASE-GSC-12111-2] c 33 N81-29342
- Wideband passive synthetic-aperture multichannel receiver
[NASA-CASE-NPO-15651-1] c 32 N82-26523
- Television camera video level control system --- space shuttle orbiters
[NASA-CASE-MSC-18578-1] c 74 N82-27121
- Reconfiguring redundancy management
[NASA-CASE-MSC-18498-1] c 60 N82-29013
- Discriminator aided phase lock acquisition for suppressed carrier signals
[NASA-CASE-NPO-14311-1] c 33 N82-29539
- Serial data correlator/code translator
[NASA-CASE-KSC-11025-1] c 32 N83-13323
- Optical stereo video signal processor --- line of sight tracking
[NASA-CASE-MFS-25752-1] c 74 N83-21950
- Power control for ac motor
[NASA-CASE-MFS-25862] c 33 N83-28329
- Three phase power factor controller
[NASA-CASE-MFS-25535-2] c 33 N83-29593
- Interferometric angle monitor
[NASA-CASE-GSC-12614-1] c 74 N83-32577
- SIGNAL RECEPTION**
- Radar ranging receiver Patent
[NASA-CASE-XNP-00748] c 07 N70-36911
- Reflectometer for receiver input impedance match measurement Patent
[NASA-CASE-XNP-10843] c 07 N71-11267
- Diversity receiving system with diversity phase lock Patent
[NASA-CASE-XGS-01222] c 10 N71-20841
- Signal detection and tracking apparatus Patent
[NASA-CASE-XGS-03502] c 10 N71-20852
- Optimum predetection diversity receiving system Patent
[NASA-CASE-XGS-00740] c 07 N71-23098
- Decoder system Patent
[NASA-CASE-NPO-10118] c 07 N71-24741
- Antenna array phase quadrature tracking system Patent
[NASA-CASE-MSC-12205-1] c 07 N71-27056
- Electricity measurement devices employing liquid crystalline materials
[NASA-CASE-ERC-10275] c 26 N72-25680
- Filter for third order phase locked loops
[NASA-CASE-NPO-11941-1] c 10 N73-27171
- Ferrofluidic solenoid
[NASA-CASE-NPO-11738-1] c 09 N73-30185
- Scan converting video tape recorder
[NASA-CASE-NPO-10166-2] c 35 N76-16391
- Receiving and tracking phase modulated signals
[NASA-CASE-MSC-16170-2] c 32 N81-16338
- Faraday rotation measurement method and apparatus
[NASA-CASE-NPO-14839-1] c 35 N82-15381
- A single frequency multitransmitter telemetry system
[NASA-CASE-LAR-13006-1] c 17 N83-20995
- SIGNAL REFLECTION**
- Reflectometer for receiver input impedance match measurement Patent
[NASA-CASE-XNP-10843] c 07 N71-11267
- Reflex feed system for dual frequency antenna with frequency cutoff means
[NASA-CASE-NPO-14022-1] c 32 N78-31321
- Doppler radar having phase modulation of both transmitted and reflected return signals --- ranging
[NASA-CASE-MSC-18675-1] c 32 N81-29312
- SIGNAL STABILIZATION**
- Linear accelerator frequency control system Patent
[NASA-CASE-XGS-05441] c 10 N71-22962
- Digital modulator and demodulator Patent
[NASA-CASE-ERC-10041] c 08 N71-29138
- System for interference signal nulling by polarization adjustment
[NASA-CASE-NPO-13140-1] c 32 N75-24982
- Fiber optic transmission line stabilization apparatus and method
[NASA-CASE-NPO-15036-1] c 74 N82-19029
- Method and apparatus for transfer function simulator for testing complex systems
[NASA-CASE-NPO-15696-1] c 36 N82-28619

SIGNAL TO NOISE RATIOS

- System for improving signal-to-noise ratio of a communication signal Patent Application
[NASA-CASE-MSC-12259-1] c 07 N70-12616
- Radar ranging receiver Patent
[NASA-CASE-XNP-00748] c 07 N70-36911
- Phase detector assembly Patent
[NASA-CASE-XMF-00701] c 09 N70-40272
- Signal-to-noise ratio estimating by taking ratio of mean and standard deviation of integrated signal samples Patent
[NASA-CASE-XNP-05254] c 07 N71-20791
- Signal ratio system utilizing voltage controlled oscillators Patent
[NASA-CASE-XMF-04367] c 09 N71-23545
- Recorder using selective noise filter
[NASA-CASE-ERC-10112] c 07 N72-21119
- Parametric amplifiers with idler circuit feedback
[NASA-CASE-LAR-10253-1] c 09 N72-25258
- System for improving signal-to-noise ratio of a communication signal
[NASA-CASE-MSC-12259-2] c 07 N72-33146
- Signal-to-noise ratio determination circuit
[NASA-CASE-GSC-11239-1] c 10 N73-25241
- Gated compressor, distortionless signal limiter
[NASA-CASE-NPO-11820-1] c 32 N74-19788
- SIGNAL TRANSMISSION**
- Time division multiplex system
[NASA-CASE-XGS-05918] c 07 N69-39974
- Apparatus for coupling a plurality of ungrounded circuits to a grounded circuit Patent
[NASA-CASE-XAC-00086] c 09 N70-33182
- Bi-carrier demodulator with modulation Patent
[NASA-CASE-XMF-01160] c 07 N71-11298
- Bi-polar phase detector and corrector for split phase PCM data signals Patent
[NASA-CASE-XGS-01590] c 07 N71-12392
- Signal-to-noise ratio estimating by taking ratio of mean and standard deviation of integrated signal samples Patent
[NASA-CASE-XNP-05254] c 07 N71-20791
- Elimination of frequency shift in a multiplex communication system Patent
[NASA-CASE-XNP-01306] c 07 N71-20814
- Adaptive tracking notch filter system Patent
[NASA-CASE-XMF-01892] c 10 N71-22986
- Passive synchronized spike generator with high input impedance and low output impedance and capacitor power supply Patent
[NASA-CASE-XGS-03632] c 09 N71-23311
- Junction range finder
[NASA-CASE-KSC-10108] c 14 N73-25461
- Television multiplexing system
[NASA-CASE-KSC-10654-1] c 07 N73-30115
- Controlled oscillator system with a time dependent output frequency
[NASA-CASE-NPO-11962-1] c 33 N74-10194
- Pulse code modulated signal synchronizer
[NASA-CASE-MSC-12462-1] c 32 N74-20809
- Pulse code modulated signal synchronizer
[NASA-CASE-MSC-12494-1] c 32 N74-20810
- Digital transmitter for data bus communications system
[NASA-CASE-MSC-14558-1] c 32 N75-21486
- Modulator for tone and binary signals --- phase of modulation of tone and binary signals on carrier waves in communication systems
[NASA-CASE-GSC-11743-1] c 32 N75-24981
- Method and apparatus for background signal reduction in opto-acoustic absorption measurement
[NASA-CASE-NPO-13683-1] c 35 N77-14411
- Automatic transponder --- measurement of the internal delay time of a transponder
[NASA-CASE-GSC-12075-1] c 32 N77-31350
- Fiber optic multiplex optical transmission system
[NASA-CASE-KSC-11047-1] c 74 N78-14889
- Telephone multiline signaling using common signal pair
[NASA-CASE-KSC-11023-1] c 32 N79-23310
- Precise RF timing signal distribution to remote stations --- fiber optics
[NASA-CASE-NPO-14749-1] c 32 N81-14186
- Digital numerically controlled oscillator
[NASA-CASE-MSC-16747-1] c 33 N81-17349
- Beam forming network
[NASA-CASE-NPO-15743-1] c 32 N83-19969
- High stability amplifier
[NASA-CASE-GSC-12646-1] c 33 N83-34191
- SIGNATURE ANALYSIS**
- Multispectral imaging and analysis system --- using charge coupled devices and linear arrays
[NASA-CASE-NPO-13691-1] c 43 N79-17288
- SILANES**
- Elastomeric silazane polymers and process for preparing the same Patent
[NASA-CASE-XMF-04133] c 06 N71-20717

- Process for preparation of dianilinosilanes Patent
[NASA-CASE-XMF-06409] c 06 N71-23230
- Process for preparation of high-molecular-weight polyaryloxysilanes Patent
[NASA-CASE-XMF-08674] c 06 N71-28807
- Oxygen post-treatment of plastic surface coated with plasma polymerized silicon-containing monomers
[NASA-CASE-ARC-10915-2] c 27 N79-18052
- Thermal protection system
[NASA-CASE-MSC-18796-1] c 24 N82-26389
- Thermal reactor --- liquid silicon production from silane gas
[NASA-CASE-NPO-14369-1] c 44 N83-10501
- SILICA GEL**
- Gels as battery separators for soluble electrode cells
[NASA-CASE-LEW-12364-1] c 44 N77-22606
- SILICA GLASS**
- Non-toxic invert analog glass compositions of high modulus
[NASA-CASE-HQN-10328-2] c 27 N82-29454
- High modulus rare earth and beryllium containing silicate glass compositions --- for glass reinforcing fibers
[NASA-CASE-HQN-10595-1] c 27 N82-29455
- SILICATES**
- Alkali-metal silicate protective coating
[NASA-CASE-XGS-04119] c 18 N69-39979
- Alkali-metal silicate binders and methods of manufacture
[NASA-CASE-GSC-12303-1] c 24 N79-31347
- SILICIDES**
- Silicide coatings for refractory metals Patent
[NASA-CASE-XLE-10910] c 18 N71-29040
- Fused silicide coatings containing discrete particles for protecting niobium alloys --- used in space shuttle thermal protection systems and turbine engine components
[NASA-CASE-LEW-11179-1] c 27 N76-16229
- SILICON**
- Method of forming thin window drifted silicon charged particle detector Patent
[NASA-CASE-XLE-00808] c 24 N71-10560
- Gd or Sm doped silicon semiconductor composition Patent
[NASA-CASE-XLE-10715] c 26 N71-23292
- Silicon solar cell with cover glass bonded to cell by metal pattern Patent
[NASA-CASE-XLE-08569] c 03 N71-23449
- Covered silicon solar cells and method of manufacture --- with polymers films
[NASA-CASE-LEW-11065-2] c 44 N76-14600
- Method of controlling defect orientation in silicon crystal ribbon growth
[NASA-CASE-NPO-13918-1] c 76 N79-11920
- Method of purifying metallurgical grade silicon employing reduced pressure atmospheric control
[NASA-CASE-NPO-14474-1] c 26 N80-14229
- Method of producing silicon --- gas phase reactor multiple injector liquid feed system
[NASA-CASE-NPO-14382-1] c 31 N80-18231
- System for slicing silicon wafers
[NASA-CASE-NPO-14406-1] c 37 N80-29703
- Apparatus for use in the production of ribbon-shaped crystals from a silicon melt
[NASA-CASE-NPO-14297-1] c 33 N81-19389
- Scrubber for silicon wafers
[NASA-CASE-NPO-15539-1] c 37 N82-11469
- Imaging X-ray spectrometer
[NASA-CASE-GSC-12682-1] c 35 N82-26629
- Process and apparatus for growing a crystal ribbon --- for use in photovoltaic cells
[NASA-CASE-NPO-15629-1] c 44 N82-26779
- Method of protecting a surface with a silicon-slurry/aluminate coating --- coatings for gas turbine engine blades and vanes
[NASA-CASE-LEW-13343-1] c 27 N82-28441
- Thermal reactor --- liquid silicon production from silane gas
[NASA-CASE-NPO-14369-1] c 44 N83-10501
- Apparatus and method to keep the walls of a free space reactor free from deposits of solid materials
[NASA-CASE-NPO-15851-1] c 73 N83-12986
- SILICON CARBIDES**
- A method for the deposition of beta-silicon carbide by isoeptaxy
[NASA-CASE-ERC-10120] c 26 N69-33482
- Production of high purity silicon carbide Patent
[NASA-CASE-XLA-00158] c 26 N70-36805
- Apparatus for producing high purity silicon carbide crystals Patent
[NASA-CASE-XLA-02057] c 26 N70-40015
- Process for fabricating SiC semiconductor devices
[NASA-CASE-LEW-12094-1] c 76 N76-25049
- Growth of silicon carbide crystals on a seed while pulling silicon crystals from a melt
[NASA-CASE-NPO-13969-1] c 76 N79-23798

- High temperature silicon carbide impregnated insulating fabrics
[NASA-CASE-MSC-18832-1] c 27 N83-18908
- SILICON COMPOUNDS**
Method of making a silicon semiconductor device Patent
[NASA-CASE-XLE-02792] c 26 N71-10607
Polymerizable disilanes having in-chain perfluoroalkyl groups
[NASA-CASE-MFS-20979-2] c 06 N73-32030
Infusible silazane polymer and process for producing same --- protective coatings
[NASA-CASE-XMF-02526-1] c 27 N79-21190
Silicon-slurry/aluminate coating --- protecting gas turbine engine vanes and blades
[NASA-CASE-LEW-13343] c 26 N83-31795
- SILICON CONTROLLED RECTIFIERS**
Protection for energy conversion systems
[NASA-CASE-XGS-04808] c 03 N69-25146
Transient-compensated SCR inverter
[NASA-CASE-XLA-08507] c 09 N69-39984
Reversible ring counter employing cascaded single SCR stages Patent
[NASA-CASE-XGS-01473] c 09 N71-10673
SCR blocking pulse gate amplifier Patent
[NASA-CASE-XLA-07497] c 09 N71-12514
Combinational logic for generating gate drive signals for phase control rectifiers
[NASA-CASE-MFS-25208-1] c 33 N83-10345
- SILICON DIOXIDE**
Intermittent type silica gel adsorption refrigerator Patent
[NASA-CASE-XNP-00920] c 15 N71-15906
Nose cone mounted heat resistant antenna Patent
[NASA-CASE-XMS-04312] c 07 N71-22984
Method and apparatus for stable silicon dioxide layers on silicon grown in silicon nitride ambient
[NASA-CASE-ERC-10073-1] c 24 N74-19769
Silica reusable surface insulation
[NASA-CASE-ARC-10721-1] c 27 N76-22376
Two-component ceramic coating for silica insulation
[NASA-CASE-MSC-14270-1] c 27 N76-22377
Transmitting and reflecting diffuser --- using ultraviolet grade fused silica coatings
[NASA-CASE-LAR-10385-3] c 74 N78-15879
Field effect transistor and method of construction thereof
[NASA-CASE-MFS-23312-1] c 33 N78-27326
Fibrous refractory composite insulation --- shielding reusable spacecraft
[NASA-CASE-ARC-11169-1] c 24 N79-24062
Castable high temperature refractory materials
[NASA-CASE-LEW-13080-2] c 27 N82-11210
Attachment system for silica tiles --- thermal protection for space shuttle orbiter
[NASA-CASE-MSC-18741-1] c 27 N82-29456
Pyroelectric detector arrays
[NASA-CASE-LAR-12363-2] c 33 N83-24763
Apparatus and method for heating a material in a transparent ampoule --- crystal growth
[NASA-CASE-MFS-25436-1] c 27 N83-36220
- SILICON FILMS**
A method for the deposition of beta-silicon carbide by isoeptaxy
[NASA-CASE-ERC-10120] c 26 N69-33482
Pyroelectric detector arrays
[NASA-CASE-LAR-12363-1] c 35 N82-31659
- SILICON JUNCTIONS**
Radiation resistant silicon semiconductor devices Patent
[NASA-CASE-XGS-07801] c 09 N71-12513
- SILICON NITRIDES**
Method and apparatus for stable silicon dioxide layers on silicon grown in silicon nitride ambient
[NASA-CASE-ERC-10073-1] c 24 N74-19769
Silicon nitride coated, plastic covered solar cell
[NASA-CASE-LEW-11496-1] c 44 N77-14580
Sandblasting nozzle
[NASA-CASE-NPO-13823-1] c 37 N81-25371
- SILICON OXIDES**
Three-component ceramic coating for silica insulation
[NASA-CASE-MSC-14270-2] c 27 N76-23426
- SILICON POLYMERS**
Oxygen post-treatment of plastic surface coated with plasma polymerized silicon-containing monomers
[NASA-CASE-ARC-10915-2] c 27 N79-18052
- SILICON RADIATION DETECTORS**
Thin window, drifted silicon, charged particle detector
[NASA-CASE-XLE-10529] c 14 N69-23191
Biomedical radiation detecting probe Patent
[NASA-CASE-XMS-01177] c 05 N71-19440
- SILICON TRANSISTORS**
Tungsten contacts on silicon substrates
[NASA-CASE-GSC-10695-1] c 09 N72-25259
- Method and apparatus for detecting surface ions on silicon diodes and transistors
[NASA-CASE-ERC-10325] c 15 N72-25457
- SILICON RESINS**
Vacuum pressure molding technique
[NASA-CASE-LAR-10073-1] c 37 N76-24575
- SILICONES**
Silicone containing solid propellant
[NASA-CASE-NPO-14477-1] c 28 N80-28536
- SILICONIZING**
Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent
[NASA-CASE-XLA-00284] c 15 N71-16075
- SILOXANES**
Synthesis of siloxane-containing epoxy polymers Patent
[NASA-CASE-MFS-13994-1] c 06 N71-11240
Method of producing alternating ether siloxane copolymers Patent
[NASA-CASE-XMF-02584] c 06 N71-20905
Siloxane containing epoxide compounds
[NASA-CASE-MFS-13994-2] c 06 N72-25148
Silphenylenesiloxane polymers having in-chain perfluoroalkyl groups
[NASA-CASE-MFS-20979] c 06 N72-25151
Low outgassing polydimethylsiloxane material and preparation thereof
[NASA-CASE-GSC-11358-1] c 06 N73-26100
Thermal protection system
[NASA-CASE-MSC-18796-1] c 24 N82-26389
- SILVER**
Method of making dry electrodes
[NASA-CASE-FRC-10029-2] c 05 N72-25121
- SILVER ALLOYS**
Brazing alloy composition
[NASA-CASE-XMF-06053] c 26 N75-27126
- SILVER CHLORIDES**
Electrode for biological recording
[NASA-CASE-XMS-02872] c 05 N69-21925
Bonding graphite with fused silver chloride
[NASA-CASE-XGS-00963] c 15 N69-39735
- SILVER COMPOUNDS**
Water management system and an electrolytic cell therefor Patent
[NASA-CASE-MSC-10960-1] c 03 N71-24718
- SILVER ZINC BATTERIES**
Electric battery and method for operating same Patent
[NASA-CASE-XGS-01674] c 03 N71-29129
Additive for zinc electrodes
[NASA-CASE-LEW-13286-1] c 44 N81-27597
- SIMULATION**
Lower body negative pressure apparatus
[NASA-CASE-MSC-20202-1] c 54 N83-18254
- SIMULATORS**
Method and apparatus of simulating zero gravity conditions Patent
[NASA-CASE-MFS-12750] c 27 N71-16223
Phonocardiogram simulator Patent
[NASA-CASE-XKS-10804] c 05 N71-24606
Waveform simulator Patent
[NASA-CASE-NPO-10251] c 10 N71-27365
Laser Doppler velocity simulator --- to induce frequency shift
[NASA-CASE-LAR-12176-1] c 36 N80-16321
- SINE SERIES**
Electro-mechanical sine/cosine generator
[NASA-CASE-LAR-10503-1] c 09 N72-21248
Function generator for synthesizing complex vibration mode patterns
[NASA-CASE-LAR-10310-1] c 10 N73-20253
Magnetic heading reference
[NASA-CASE-LAR-12638-1] c 44 N82-24716
- SINE WAVES**
Waveform simulator Patent
[NASA-CASE-NPO-10251] c 10 N71-27365
Wide band doubler and sine wave quadrature generator
[NASA-CASE-NPO-11133] c 10 N72-20223
Electro-mechanical sine/cosine generator
[NASA-CASE-LAR-11389-1] c 33 N77-26387
- SINGLE CRYSTALS**
Production of high purity silicon carbide Patent
[NASA-CASE-XLA-00158] c 26 N70-36805
Fabrication of single crystal film semiconductor devices
[NASA-CASE-ERC-10222] c 09 N72-22199
Hall effect magnetometer
[NASA-CASE-LEW-11632-2] c 35 N75-13213
Vapor phase growth of groups 3-5 compounds by hydrogen chloride transport of the elements
[NASA-CASE-LAR-11144-1] c 25 N75-26043
Method for the preparation of inorganic single crystal and polycrystalline electronic materials
[NASA-CASE-XLE-02545-1] c 76 N79-21910
- Growth of silicon carbide crystals on a seed while pulling silicon crystals from a melt
[NASA-CASE-NPO-13969-1] c 76 N79-23798
Total immersion crystal growth --- using a melt covered with an encapsulating fluid
[NASA-CASE-NPO-15800-1] c 76 N83-15149
Method of making macrocrystalline or single crystal semiconductor material and products produced thereby --- epitaxial substrates using low melting materials for photovoltaic cells
[NASA-CASE-NPO-15904-1] c 76 N83-21993
- SINTERING**
Condenser - Separator
[NASA-CASE-XLA-08845] c 15 N69-21465
Method of producing refractory bodies having controlled porosity Patent
[NASA-CASE-LEW-10393-1] c 17 N71-15468
Electrodes for solid state devices
[NASA-CASE-NPO-15161-1] c 33 N82-26575
- SIZE (DIMENSIONS)**
Apparatus for producing metal powders
[NASA-CASE-XLE-06461-2] c 17 N72-28535
- SIZE DETERMINATION**
Impact measuring technique
[NASA-CASE-LAR-10913] c 14 N72-16282
Small conductive particle sensor --- microfiber size determination
[NASA-CASE-LAR-12552-1] c 35 N82-11431
- SIZE SEPARATION**
Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114-2] c 15 N71-26148
Material handling device Patent
[NASA-CASE-XNP-09770-3] c 11 N71-27036
- SIZING (SHAPING)**
Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114] c 15 N71-17650
- SIZING SCREENS**
Method of making screen by casting Patent
[NASA-CASE-XLE-00953] c 15 N71-15966
Screen particle separator
[NASA-CASE-XNP-09770-2] c 15 N72-22483
- SKENEWS**
Tape guidance system and apparatus for the provision thereof Patent
[NASA-CASE-XNP-09453] c 08 N71-19420
Automatic character skew and spacing checking network --- of digital tape drive systems
[NASA-CASE-GSC-11925-1] c 33 N76-18353
- SKID LANDINGS**
Nose gear steering system for vehicle with main skids Patent
[NASA-CASE-XLA-01804] c 02 N70-34160
- SKIN (ANATOMY)**
Process for conditioning tanned sharkskin and articles made therefrom Patent
[NASA-CASE-XMS-09691-1] c 18 N71-15545
Percutaneous connector device
[NASA-CASE-KSC-10849-1] c 52 N77-14738
Medical diagnosis system and method with multispectral imaging --- depth of burns and optical density of the skin
[NASA-CASE-NPO-14402-1] c 52 N81-27783
- SKIN (STRUCTURAL MEMBER)**
Flexibly connected support and skin Patent
[NASA-CASE-XLA-01027] c 31 N71-24035
Fire extinguishing apparatus having a slidable mass for a penetrator nozzle --- for penetrating aircraft and shuttle orbiter skin
[NASA-CASE-KSC-11064-1] c 31 N81-14137
- SKIN FRICTION**
Skin friction measuring device for aircraft
[NASA-CASE-FRC-11029-1] c 06 N81-17057
Hot foil transducer skin friction sensor
[NASA-CASE-LAR-12321-1] c 35 N82-24470
Dual-beam skin friction interferometer
[NASA-CASE-ARC-11354-1] c 74 N83-21949
- SKIN TEMPERATURE (BIOLOGY)**
Thermistor holder for skin temperature measurements
[NASA-CASE-ARC-10855-1] c 52 N77-10780
- SKIN TEMPERATURE (NON-BIOLOGICAL)**
Heat flux measuring system Patent
[NASA-CASE-XFR-03802] c 33 N71-23085
- SKIRTS**
Inflatable transpiration cooled nozzle
[NASA-CASE-MFS-20619] c 28 N72-11708
- SKY BRIGHTNESS**
Cloud cover sensor
[NASA-CASE-NPO-14936-1] c 47 N83-32232
- SLEEP**
EEG sleep analyzer and method of operation Patent
[NASA-CASE-MSC-13282-1] c 05 N71-24729
- SLEEVES**
Energy absorbing device Patent
[NASA-CASE-XMF-10040] c 15 N71-22877

System for enhancing tool-exchange capabilities of a portable wrench
[NASA-CASE-MFS-22283-1] c 37 N75-33395
Prosthesis coupling
[NASA-CASE-KSC-11069-1] c 52 N79-26772
Fire extinguishing apparatus having a slidable mass for a penetrator nozzle --- for penetrating aircraft and shuttle orbiter skin
[NASA-CASE-KSC-11064-1] c 31 N81-14137

SLENDER BODIES

A support technique for vertically oriented launch vehicles
[NASA-CASE-XLA-02704] c 11 N69-21540

SLENDER WINGS

Leading edge vortex flaps for drag reduction --- during subsonic flight
[NASA-CASE-LAR-12750-1] c 02 N81-19016

SLICING

Method and apparatus for slicing crystals
[NASA-CASE-GSC-12291-1] c 76 N80-18951
System for slicing silicon wafers
[NASA-CASE-NPO-14406-1] c 37 N80-29703
Scriber for silicon wafers
[NASA-CASE-NPO-15539-1] c 37 N82-11469
Improved ingot slicing machine
[NASA-CASE-NPO-15483-1] c 37 N82-28642
Workpiece positioning vise
[NASA-CASE-GSC-12762-1] c 37 N82-29604

SLIDING CONTACT

Electrical connector pin with wiping action
[NASA-CASE-XMF-04238] c 09 N69-39734
Continuous turning slip ring assembly Patent
[NASA-CASE-XMF-01049] c 15 N71-23049
Electrical rotary joint apparatus for large space structures
[NASA-CASE-MFS-23981-1] c 07 N83-20944

SLIDING FRICTION

Bearing material --- composite material with low friction surface for rolling or sliding contact
[NASA-CASE-LEW-11930-1] c 24 N76-22309

SLIP CASTING

Process of casting heavy slips Patent
[NASA-CASE-XLE-00106] c 15 N71-16076

SLITS

Slit regulated gas journal bearing Patent
[NASA-CASE-XNP-00476] c 15 N70-38620
Method of fabricating an object with a thin wall having a precisely shaped slit
[NASA-CASE-LAR-10409-1] c 31 N74-21059
Dual acting slit control mechanism
[NASA-CASE-LAR-11370-1] c 35 N80-28686

SLOPES

Penetrometer --- for determining load bearing characteristics of inclined surfaces
[NASA-CASE-NPO-11103-1] c 35 N77-27367
Family of airfoil shapes for rotating blades --- for increased power efficiency and blade stability
[NASA-CASE-LAR-12843-1] c 05 N82-33372

SLOT ANTENNAS

Virtual wall slot circularly polarized planar array antenna
[NASA-CASE-NPO-10301] c 07 N72-11148
Omnidirectional slot antenna for mounting on cylindrical space vehicle
[NASA-CASE-LAR-10163-1] c 09 N72-25247
Circularly polarized antenna
[NASA-CASE-ERC-10214] c 09 N72-31235
Turnstile slot antenna
[NASA-CASE-GSC-11428-1] c 32 N74-20864
Horn antenna having V-shaped corrugated slots
[NASA-CASE-LAR-11112-1] c 32 N76-15330
Spiral slotted phased antenna array
[NASA-CASE-MSC-18532-1] c 32 N82-27558

SLOTS

Bellefonte spring assembly with elastic guides
[NASA-CASE-XNP-09452] c 15 N69-27504
Direct lift control system Patent
[NASA-CASE-LAR-10249-1] c 02 N71-26110
Fine adjustment mount
[NASA-CASE-MFS-20249] c 15 N72-11386
Method and tool for machining a transverse slot about a bore
[NASA-CASE-LAR-11855-1] c 37 N81-14319

SLUDGE

Sewage sludge additive
[NASA-CASE-NPO-13877-1] c 45 N82-11634

SLURRIES

Silicon-slurry/aluminide coating --- protecting gas turbine engine vanes and blades
[NASA-CASE-LEW-13343] c 26 N83-31795

SLURRY PROPELLANTS

Apparatus for making a metal slurry product Patent
[NASA-CASE-XLE-00010] c 15 N70-33382

SMOKE

Method and construction for protecting heat sensitive bodies from thermal radiation and convective heat Patent
[NASA-CASE-XNP-01310] c 33 N71-28852
Stack plume visualization system
[NASA-CASE-LAR-11875-1] c 45 N76-17656
Smoke generator
[NASA-CASE-ARC-10905-1] c 37 N77-13418
Continuous laminar smoke generator --- visualizing flow around wind tunnel models
[NASA-CASE-LAR-13014-1] c 28 N83-35158

SODIUM CHLORIDES

Diffuse reflective coating
[NASA-CASE-GSC-11214-1] c 06 N73-13128
Separator for alkaline electric batteries and method of making
[NASA-CASE-GSC-10018-1] c 44 N82-24844

SODIUM VAPOR

Method of producing silicon --- gas phase reactor multiple injector liquid feed system
[NASA-CASE-NPO-14382-1] c 31 N80-18231

SOFT LANDING

Non-reusable kinetic energy absorber Patent
[NASA-CASE-XLE-00810] c 15 N70-34861
Space craft soft landing system Patent
[NASA-CASE-XMF-02108] c 31 N70-36845
Omnidirectional multiple impact landing system Patent
[NASA-CASE-XLA-09881] c 31 N71-16085

SOFT LANDING SPACECRAFT

Proton shock absorbing pad assembly Patent
[NASA-CASE-XMF-03858] c 31 N70-34159

SOIL MECHANICS

Penetrometer --- for determining load bearing characteristics of inclined surfaces
[NASA-CASE-NPO-11103-1] c 35 N77-27367

SOIL MOISTURE

Radar target for remotely sensing hydrological phenomena
[NASA-CASE-LAR-12344-1] c 43 N80-18498

SOIL SCIENCE

Soil penetrometer
[NASA-CASE-XNP-05530] c 14 N73-32321
System for plotting subsoil structure and method therefor
[NASA-CASE-NPO-14191-1] c 31 N80-32584

SOILS

Screen particle separator
[NASA-CASE-XNP-09770-2] c 15 N72-22483
Burrrowing apparatus
[NASA-CASE-XNP-07169] c 15 N73-32362
Remote sensing of vegetation and soil using microwave ellipsometry
[NASA-CASE-GSC-11976-1] c 43 N78-10529

SOL-GEL PROCESSES

Alkali-metal silicate binders and methods of manufacture
[NASA-CASE-GSC-12303-1] c 24 N79-31347

SOLAR ACTIVITY

Method and apparatus for measuring solar activity and atmospheric radiation effects
[NASA-CASE-ERC-10276] c 14 N73-26432

SOLAR ARRAYS

Deployable solar cell array
[NASA-CASE-NPO-10883] c 31 N72-22874
Use of unilluminated solar cells as shunt diodes for a solar array
[NASA-CASE-GSC-10344-1] c 03 N72-27053
Solar energy powered heliotrope
[NASA-CASE-GSC-10945-1] c 21 N72-31637
Method of making silicon solar cell array --- and mounting on flexible substrate
[NASA-CASE-LEW-11069-1] c 44 N74-14784
Solar cell shingle
[NASA-CASE-LEW-12587-1] c 44 N77-31601
Hexagon solar power panel
[NASA-CASE-NPO-12148-1] c 44 N78-27515
Solar array strip and a method for forming the same
[NASA-CASE-NPO-13652-1] c 44 N79-17314
Closed Loop solar array-ion thruster system with power control circuitry
[NASA-CASE-LEW-12780-1] c 20 N79-20179
Bonding machine for forming a solar array strip
[NASA-CASE-NPO-13652-2] c 44 N79-24431
Double-sided solar cell package
[NASA-CASE-NPO-14199-1] c 44 N79-25482
Method of construction of a multi-cell solar array
[NASA-CASE-MFS-23540-1] c 44 N79-26475
Method for forming a solar array strip
[NASA-CASE-NPO-13652-3] c 44 N80-14474
Electrical rotary joint apparatus for large space structures
[NASA-CASE-MFS-23981-1] c 07 N83-20944
Electronic system for high power load control --- solar arrays
[NASA-CASE-NPO-15358-1] c 33 N83-27126

SOLAR CELLS

Method for producing a solar cell having an integral protective covering
[NASA-CASE-XGS-04531] c 03 N69-24267
Radiation direction detector including means for compensating for photocell aging Patent
[NASA-CASE-XLA-00183] c 14 N70-40239
Attitude control for spacecraft Patent
[NASA-CASE-XNP-02982] c 31 N70-41855
Voltage-current characteristic simulator Patent
[NASA-CASE-XMS-01554] c 10 N71-10578
Method of making a silicon semiconductor device Patent
[NASA-CASE-XLE-02792] c 26 N71-10607
Solar cell including second surface mirrors Patent
[NASA-CASE-NPO-10109] c 03 N71-11049
Solar battery with interconnecting means for plural cells Patent
[NASA-CASE-XNP-06506] c 03 N71-11050
Solar cell submodule Patent
[NASA-CASE-XNP-05821] c 03 N71-11056
Interconnection of solar cells Patent
[NASA-CASE-XGS-01475] c 03 N71-11058
Solar cell matrix Patent
[NASA-CASE-NPO-10821] c 03 N71-19545
Roll-up solar array Patent
[NASA-CASE-NPO-10180] c 03 N71-20273
Method of making electrical contact on silicon solar cell and resultant product Patent
[NASA-CASE-XLE-04787] c 03 N71-20492
Solar cell mounting Patent
[NASA-CASE-XNP-00826] c 03 N71-20895
Simple method of making photovoltaic junctions Patent
[NASA-CASE-XNP-01960] c 09 N71-23027
Gd or Sm doped silicon semiconductor composition Patent
[NASA-CASE-XLE-10715] c 26 N71-23292
Protection of serially connected solar cells against open circuits by the use of shunting diode Patent
[NASA-CASE-XLE-04535] c 03 N71-23354
Silicon solar cell with cover glass bonded to cell by metal pattern Patent
[NASA-CASE-XLE-08569] c 03 N71-23449
Semiconductor material and method of making same Patent
[NASA-CASE-XLE-02798] c 26 N71-23654
Method of attaching a cover glass to a silicon solar cell Patent
[NASA-CASE-XLE-08569-2] c 03 N71-24681
Solar panel fabrication Patent
[NASA-CASE-XNP-03413] c 03 N71-26726
Solar cell Patent
[NASA-CASE-ARC-10050] c 03 N71-33409
Solar cell matrix
[NASA-CASE-NPO-11190] c 03 N71-34044
Recovery of radiation damaged solar cells through thermal annealing
[NASA-CASE-XGS-04047-2] c 03 N72-11062
Optimum performance spacecraft solar cell system
[NASA-CASE-GSC-10669-1] c 03 N72-20031
Solar cell assembly test method
[NASA-CASE-NPO-10401] c 03 N72-20033
Solid state matrices
[NASA-CASE-NPO-10591] c 03 N72-22041
Solar cell panels with light transmitting plate
[NASA-CASE-NPO-10747] c 03 N72-22042
Method of coating solar cell with borosilicate glass and resultant product
[NASA-CASE-GSC-11514-1] c 03 N72-24037
Apparatus for applying cover slides
[NASA-CASE-NPO-10575] c 03 N72-25019
Use of unilluminated solar cells as shunt diodes for a solar array
[NASA-CASE-GSC-10344-1] c 03 N72-27053
Stacked solar cell arrays
[NASA-CASE-NPO-11771] c 03 N73-20040
Method of making silicon solar cell array --- and mounting on flexible substrate
[NASA-CASE-LEW-11069-1] c 44 N74-14784
Covered silicon solar cells and method of manufacture --- with polymers films
[NASA-CASE-LEW-11065-2] c 44 N76-14600
Fabrication of polycrystalline solar cells on low-cost substrates
[NASA-CASE-GSC-12022-1] c 44 N76-28635
Solar cell grid patterns
[NASA-CASE-NPO-13087-2] c 44 N76-31686
Photovoltaic cell array
[NASA-CASE-MFS-22458-1] c 44 N77-10635
Silicon nitride coated, plastic covered solar cell
[NASA-CASE-LEW-11496-1] c 44 N77-14580
Solar cell assembly --- for use under high intensity illumination
[NASA-CASE-LEW-11549-1] c 44 N77-19571

- High voltage, high current Schottky barrier solar cell [NASA-CASE-NPO-13482-1] c 44 N78-13526
- Shunt regulation electric power system [NASA-CASE-GSC-10135] c 33 N78-17296
- Process for utilizing low-cost graphite substrates for polycrystalline solar cells [NASA-CASE-GSC-12022-2] c 44 N78-24609
- Method of making encapsulated solar cell modules [NASA-CASE-LEW-12185-1] c 44 N78-25528
- Method for producing solar energy panels by automation [NASA-CASE-LEW-12541-1] c 44 N78-25529
- Hexagon solar power panel [NASA-CASE-NPO-12148-1] c 44 N78-27515
- Application of semiconductor diffusants to solar cells by screen printing [NASA-CASE-LEW-12775-1] c 44 N79-11468
- Method and apparatus for measuring minority carrier lifetimes and bulk diffusion length in P-N junction solar cells [NASA-CASE-NPO-14100-1] c 44 N79-12541
- Back wall solar cell [NASA-CASE-LEW-12236-2] c 44 N79-14528
- Method for fabricating solar cells having integrated collector grids [NASA-CASE-LEW-12819-2] c 44 N79-18444
- Solar cell module assembly jig [NASA-CASE-XGS-00829-1] c 44 N79-19447
- Double-sided solar cell package [NASA-CASE-NPO-14199-1] c 44 N79-25482
- Solar cell with improved N-region contact and method of forming the same [NASA-CASE-NPO-14205-1] c 44 N79-31752
- Solar cell module [NASA-CASE-NPO-14467-1] c 44 N79-31753
- Self-reconfiguring solar cell system [NASA-CASE-LEW-12586-1] c 44 N80-14472
- Driver for solar cell I-V characteristic plots [NASA-CASE-NPO-14096-1] c 44 N80-18551
- Solar cell angular position transducer [NASA-CASE-LAR-11999-1] c 44 N80-18552
- Method of mitigating titanium impurities effects in p-type silicon material for solar cells [NASA-CASE-NPO-14635-1] c 44 N80-24741
- Induced junction solar cell and method of fabrication [NASA-CASE-NPO-13786-1] c 44 N80-29835
- Solar cell system having alternating current output [NASA-CASE-LEW-12806-2] c 44 N81-12542
- Method and apparatus for fabricating improved solar cell modules [NASA-CASE-NPO-14416-1] c 44 N81-14389
- Copper doped polycrystalline silicon solar cell [NASA-CASE-NPO-14670-1] c 44 N81-19558
- Schottky barrier solar cell [NASA-CASE-NPO-13689-2] c 44 N81-29525
- Efficiency of silicon solar cells containing chromium [NASA-CASE-NPO-15179-1] c 44 N82-26777
- Method of fabricating Schottky Barrier solar cell [NASA-CASE-NPO-13689-4] c 44 N82-28780
- Method of making a high voltage V-groove solar cell [NASA-CASE-LEW-13401-1] c 44 N82-29709
- High voltage planar multijunction solar cell [NASA-CASE-LEW-13400-1] c 44 N82-31764
- Solar cell having improved back surface reflector [NASA-CASE-LEW-13620-1] c 44 N83-13579
- Heat transparent high intensity high efficiency solar cell [NASA-CASE-LEW-12892-1] c 44 N83-14692
- Screen printed interdigitated back contact solar cell [NASA-CASE-LEW-13414-1] c 44 N83-20374
- Solar energy converter using surface plasma waves [NASA-CASE-LEW-13827-1] c 44 N83-26258
- High voltage V-groove solar cell [NASA-CASE-LEW-13401-2] c 44 N83-32177
- SOLAR COLLECTORS**
- Connector strips-positive, negative and T tabs [NASA-CASE-XGS-01395] c 03 N69-21539
- Device for directionally controlling electromagnetic radiation Patent [NASA-CASE-XLE-01716] c 09 N70-40234
- Roll-up solar array Patent [NASA-CASE-NPO-10188] c 03 N71-20273
- Thermally activated foaming compositions Patent [NASA-CASE-LAR-10373-1] c 18 N71-26155
- Solar cell Patent [NASA-CASE-ARC-10050] c 03 N71-33409
- Mount for continuously orienting a collector dish in a system adapted to perform both diurnal and seasonal solar tracking [NASA-CASE-MFS-23267-1] c 35 N77-20401
- Solar cell shingle [NASA-CASE-LEW-12587-1] c 44 N77-31601
- Solar energy collection system [NASA-CASE-NPO-13810-1] c 44 N77-32582
- Three-dimensional tracking solar energy concentrator and method for making same [NASA-CASE-NPO-13736-1] c 44 N77-32583
- Portable linear-focused solar thermal energy collecting system [NASA-CASE-NPO-13734-1] c 44 N78-10554
- Solar heating system [NASA-CASE-LAR-12009-1] c 44 N78-15560
- Low cost solar energy collection system [NASA-CASE-NPO-13579-1] c 44 N78-17460
- Selective coating for solar panels --- using black chrome and black nickel [NASA-CASE-LEW-12159-1] c 44 N78-19599
- Solar cell collector [NASA-CASE-LEW-12552-1] c 44 N78-25527
- Non-tracking solar energy collector system [NASA-CASE-NPO-13813-1] c 44 N78-31526
- Solar cells having integral collector grids [NASA-CASE-LEW-12819-1] c 44 N79-11467
- Method for making an aluminum or copper substrate panel for selective absorption of solar energy [NASA-CASE-MFS-23518-1] c 44 N79-11469
- Non-tracking solar energy collector system [NASA-CASE-NPO-13817-1] c 44 N79-11471
- Solar cell collector and method for producing same [NASA-CASE-LEW-12552-2] c 44 N79-11472
- Electromagnetic radiation energy arrangement --- coatings for solar energy absorption and infrared reflection [NASA-CASE-WOO-00428-1] c 32 N79-19186
- Horizontally mounted solar collector [NASA-CASE-MFS-23349-1] c 44 N79-23481
- Primary reflector for solar energy collection systems and method of making same [NASA-CASE-NPO-13579-3] c 44 N79-24432
- Solar energy collection system [NASA-CASE-NPO-13579-2] c 44 N79-24433
- Solar concentrator [NASA-CASE-MFS-23727-1] c 44 N80-14473
- Combined solar collector and energy storage system [NASA-CASE-LAR-12205-1] c 44 N80-20810
- Solar energy receiver for a Stirling engine [NASA-CASE-NPO-14619-1] c 44 N81-17518
- Solar tracking system [NASA-CASE-MFS-23999-1] c 44 N81-24520
- Automotive absorption air conditioner utilizing solar and motor waste heat [NASA-CASE-NPO-15183-1] c 44 N82-26776
- Solar concentrator protective system [NASA-CASE-NPO-15862-1] c 44 N82-28785
- Method of forming oxide coatings --- for solar collector heating panels [NASA-CASE-LEW-13132-1] c 27 N83-29388
- SOLAR ELECTRIC PROPULSION**
- Closed Loop solar array-ion thruster system with power control circuitry [NASA-CASE-LEW-12780-1] c 20 N79-20179
- SOLAR ENERGY**
- Stacked solar cell arrays [NASA-CASE-NPO-11771] c 03 N73-20040
- Solar energy power system --- using Freon [NASA-CASE-MFS-21628-1] c 44 N75-32581
- Thermostatically controlled non-tracking type solar energy concentrator [NASA-CASE-NPO-13497-1] c 44 N76-14602
- Solar photolysis of water [NASA-CASE-NPO-13675-1] c 44 N77-32580
- Three-dimensional tracking solar energy concentrator and method for making same [NASA-CASE-NPO-13736-1] c 44 N77-32583
- Solar heating system [NASA-CASE-LAR-12009-1] c 44 N78-15560
- Method for producing solar energy panels by automation [NASA-CASE-LEW-12541-1] c 44 N78-25529
- Method for making an aluminum or copper substrate panel for selective absorption of solar energy [NASA-CASE-MFS-23518-1] c 44 N79-11469
- Primary reflector for solar energy collection systems [NASA-CASE-NPO-13579-4] c 44 N79-14529
- Method of construction of a multi-cell solar array [NASA-CASE-MFS-23540-1] c 44 N79-26475
- Solar cell module [NASA-CASE-NPO-14467-1] c 44 N79-31753
- Solar energy modulator [NASA-CASE-NPO-15388-1] c 44 N82-10496
- A solar pumped laser [NASA-CASE-LAR-12870-1] c 36 N82-25497
- SOLAR ENERGY ABSORBERS**
- Panel for selectively absorbing solar thermal energy and the method of producing said panel [NASA-CASE-MFS-22562-1] c 44 N76-14595
- Solar energy absorber [NASA-CASE-MFS-22743-1] c 44 N76-22657
- Solar energy trap [NASA-CASE-MFS-22744-1] c 44 N76-24696
- Solar cell shingle [NASA-CASE-LEW-12587-1] c 44 N77-31601
- Low cost solar energy collection system [NASA-CASE-NPO-13579-1] c 44 N78-17460
- Electromagnetic radiation energy arrangement --- coatings for solar energy absorption and infrared reflection [NASA-CASE-WOO-00428-1] c 32 N79-19186
- Aluminum or copper substrate panel for selective absorption of solar energy [NASA-CASE-MFS-23518-3] c 44 N80-16452
- A stable density-stratification solar pond [NASA-CASE-NPO-15419-1] c 44 N81-27599
- SOLAR ENERGY CONVERSION**
- Solar energy power system [NASA-CASE-MFS-21628-2] c 44 N76-23675
- High voltage, high current Schottky barrier solar cell [NASA-CASE-NPO-13482-1] c 44 N78-13526
- Process for utilizing low-cost graphite substrates for polycrystalline solar cells [NASA-CASE-GSC-12022-2] c 44 N78-24609
- Solar photolysis of water [NASA-CASE-NPO-14126-1] c 44 N79-11470
- Thermal energy transformer [NASA-CASE-NPO-14058-1] c 44 N79-18443
- Solar concentrator [NASA-CASE-MFS-23727-1] c 44 N80-14473
- Copper doped polycrystalline silicon solar cell [NASA-CASE-NPO-14670-1] c 44 N81-19558
- Solar energy control system --- temperature measurement [NASA-CASE-MFS-25287-1] c 44 N82-18686
- Solar engine [NASA-CASE-LAR-12148-1] c 44 N82-24640
- Solar powered actuator with continuously variable auxiliary power control [NASA-CASE-MFS-25637-1] c 44 N82-26780
- Wind and solar powered turbine [NASA-CASE-NPO-15496-1] c 44 N82-28784
- Chalcogenophosphate photoelectrodes [NASA-CASE-LAR-12958-1] c 44 N83-18025
- Photoelectrochemical electrodes [NASA-CASE-NPO-15458-1] c 76 N83-25587
- Solar energy converter using surface plasma waves [NASA-CASE-LEW-13827-1] c 44 N83-26258
- Solar driven liquid metal MHD power generator [NASA-CASE-LAR-12495-1] c 44 N83-28573
- SOLAR FLUX DENSITY**
- Solar energy modulator [NASA-CASE-NPO-15388-1] c 44 N82-10496
- SOLAR FURNACES**
- High temperature lens construction Patent [NASA-CASE-XNP-04111] c 14 N71-15622
- SOLAR GENERATORS**
- GaAs solar detector using manganese as a doping agent Patent [NASA-CASE-XNP-01328] c 26 N71-18064
- Wind and solar powered turbine [NASA-CASE-NPO-15496-1] c 44 N82-28784
- SOLAR GRAVITATION**
- Means for visually indicating flight paths of vehicles between the Earth, Venus, and Mercury Patent [NASA-CASE-XNP-00708] c 14 N70-35394
- SOLAR HEATING**
- Portable linear-focused solar thermal energy collecting system [NASA-CASE-NPO-13734-1] c 44 N78-10554
- Solar heating system [NASA-CASE-LAR-12009-1] c 44 N78-15560
- Combined solar collector and energy storage system [NASA-CASE-LAR-12205-1] c 44 N80-20810
- Multi-channel temperature measurement amplification system --- solar heating systems [NASA-CASE-MFS-23775-1] c 44 N82-16474
- Solar heated fluidized bed gasification system [NASA-CASE-NPO-15071-1] c 44 N82-16475
- Solar energy control system --- temperature measurement [NASA-CASE-MFS-25287-1] c 44 N82-18686
- SOLAR OBSERVATORIES**
- Solar optical telescope dome control system Patent [NASA-CASE-MSC-10966] c 14 N71-19568
- SOLAR PONDS (HEAT STORAGE)**
- Solar pond [NASA-CASE-NPO-13581-2] c 44 N78-31525
- A stable density-stratification solar pond [NASA-CASE-NPO-15419-1] c 44 N81-27599
- Saltless solar pond [NASA-CASE-NPO-15808-1] c 44 N82-29714
- SOLAR POSITION**
- Sun angle calculator [NASA-CASE-MSC-12617-1] c 35 N76-29552
- Solar tracking system [NASA-CASE-MFS-23999-1] c 44 N81-24520

SOLAR POWERED AIRCRAFT

Solar powered aircraft
[NASA-CASE-LAR-12615-1] c 05 N81-32138

SOLAR RADIATION

Space simulator Patent
[NASA-CASE-XNP-00459] c 11 N70-38675
Solar vane actuator Patent
[NASA-CASE-XNP-05535] c 14 N71-23040
Compact solar still Patent
[NASA-CASE-XMS-04533] c 15 N71-23086
Wide angle sun sensor --- consisting of cylinder, insulation and pair of detectors
[NASA-CASE-NPO-13327-1] c 35 N75-23910
Particulate and solar radiation stable coating for spacecraft
[NASA-CASE-LAR-10805-2] c 34 N77-18382
Solar concentrator protective system
[NASA-CASE-NPO-15662-1] c 44 N82-28785

SOLAR RADIATION SHIELDING

High temperature glass thermal control structure and coating --- for application to spacecraft reusable heat shielding
[NASA-CASE-ARC-11164-1] c 44 N83-34448
Variable anodic thermal control coating
[NASA-CASE-LAR-12719-1] c 44 N83-34449

SOLAR RADIO EMISSION

Sideral frequency generator Patent
[NASA-CASE-XGS-02610] c 14 N71-23174

SOLAR REFLECTORS

Foldable solar concentrator Patent
[NASA-CASE-XLA-04622] c 03 N70-41580
Solar cell including second surface mirrors Patent
[NASA-CASE-NPO-10109] c 03 N71-11049
Method and apparatus for making curved reflectors Patent
[NASA-CASE-XLE-08917] c 15 N71-15597
Thermal pump-compressor for space use Patent
[NASA-CASE-XLA-00377] c 33 N71-17610
Apparatus for making curved reflectors Patent
[NASA-CASE-XLE-08917-2] c 15 N71-24836
Inorganic thermal control coatings
[NASA-CASE-MFS-20011] c 18 N72-22566
Lightweight reflector assembly
[NASA-CASE-NPO-13707-1] c 74 N77-28933
Primary reflector for solar energy collection systems
[NASA-CASE-NPO-13579-4] c 44 N79-14529
Primary reflector for solar energy collection systems and method of making same
[NASA-CASE-NPO-13579-3] c 44 N79-24432
Solar energy collection system
[NASA-CASE-NPO-13579-2] c 44 N79-24433

SOLAR SAILS

Strong thin membrane structure --- solar sails
[NASA-CASE-NPO-14021-2] c 27 N80-16163
Speed control device for a heavy duty shaft --- solar sails for spacecraft propulsion
[NASA-CASE-NPO-14170-1] c 37 N81-15364

SOLAR SENSORS

Plurality of photosensitive cells on a pyramidal base for planetary trackers
[NASA-CASE-XNP-04180] c 07 N69-39736
Space vehicle attitude control Patent
[NASA-CASE-XNP-00465] c 21 N70-35395
Sun tracker with rotatable plane-parallel plate and two photocells Patent
[NASA-CASE-XGS-01159] c 21 N71-10678
Solar sensor having coarse and fine sensing with matched preirradiated cells and method of selecting cells Patent
[NASA-CASE-XLA-01584] c 14 N71-23269
Sun direction detection system
[NASA-CASE-NPO-13722-1] c 74 N77-22951
Sun tracking solar energy collector
[NASA-CASE-NPO-13921-1] c 44 N79-14526
Solar tracking system
[NASA-CASE-MFS-23999-1] c 44 N81-24520
Sun sensing guidance system for high altitude aircraft
[NASA-CASE-FRC-11052-1] c 04 N82-23231
Cloud cover sensor
[NASA-CASE-NPO-14936-1] c 47 N83-32232

SOLAR SIMULATORS

High temperature lens construction Patent
[NASA-CASE-XNP-04111] c 14 N71-15622
High powered arc electrodes --- producing solar simulator radiation
[NASA-CASE-LEW-11162-1] c 33 N74-12913

SOLDERED JOINTS

Soldering device Patent
[NASA-CASE-XLA-08911] c 15 N71-27214

SOLDERING

Solder flux which leaves corrosion-resistant coating Patent
[NASA-CASE-XNP-03459-2] c 18 N71-15688
Soldering with solder flux which leaves corrosion resistant coating Patent
[NASA-CASE-XNP-03459] c 15 N71-21078

Method of plating copper on aluminum Patent
[NASA-CASE-XLA-08966-1] c 17 N71-25903
Resistance soldering apparatus
[NASA-CASE-GSC-10913] c 15 N72-22491
Positive contact resistance soldering unit
[NASA-CASE-KSC-10242] c 15 N72-23497
Bonding machine for forming a solar array strip
[NASA-CASE-NPO-13652-2] c 44 N79-24431
Multicolor printing plate joining
[NASA-CASE-LEW-13598-1] c 31 N83-17745

SOLDERS

Method of coating circuit paths on printed circuit boards with solder Patent
[NASA-CASE-XMF-01599] c 09 N71-20705
Method for attaching a fused-quartz mirror to a conductive metal substrate
[NASA-CASE-MFS-23405-1] c 26 N77-29260

SOLENOID VALVES

Two-step rocket engine bipropellant valve Patent
[NASA-CASE-XMS-04890-1] c 15 N70-22192
Automatic recording McLeod gauge Patent
[NASA-CASE-XLE-03280] c 14 N71-23093
Solenoid valve including guide for armature and valve member
[NASA-CASE-GSC-10607-1] c 15 N72-20442
Remote fire stack igniter --- with solenoid-controlled valve
[NASA-CASE-MFS-21675-1] c 25 N74-33378
Automatically operable self-leveling load table
[NASA-CASE-MFS-22039-1] c 09 N75-12968

SOLENOIDS

Solenoid construction Patent
[NASA-CASE-XNP-01951] c 09 N70-41929
Drive circuit for minimizing power consumption in inductive load Patent
[NASA-CASE-NPO-10716] c 09 N71-24892
Rotary solenoid shutter drive assembly and rotary inertia damper and stop plate assembly --- for use with cameras mounted in satellites
[NASA-CASE-GSC-11560-1] c 33 N74-20861
Sprag solenoid brake --- development and operations of electrically controlled brake
[NASA-CASE-MFS-21846-1] c 37 N74-26976
Low temperature latching solenoid
[NASA-CASE-MSC-18106-1] c 33 N82-11357
Fluid driven sump pump
[NASA-CASE-ARC-11414-1] c 37 N83-20152

SOLID CRYOGEN COOLING

Cooling by conversion of para to ortho-hydrogen
[NASA-CASE-GSC-12770-1] c 25 N83-29324

SOLID ELECTRODES

Polymeric electrolytic hygrometer
[NASA-CASE-NPO-13948-1] c 35 N78-25391

SOLID LUBRICANTS

Bonded solid lubricant coating Patent
[NASA-CASE-XMS-00259] c 18 N70-36400
Method of lubricating rolling element bearings Patent
[NASA-CASE-XLE-09527] c 15 N71-17688
Inorganic solid film lubricants Patent
[NASA-CASE-XMF-03988] c 15 N71-21403
Rolling element bearings Patent
[NASA-CASE-XLE-09527-2] c 15 N71-26189
Method of making bearing materials --- self-lubricating, oxidation resistant composites for high temperature applications
[NASA-CASE-LEW-11930-4] c 24 N79-17916

SOLID PHASES

Solid electrolyte cell
[NASA-CASE-NPO-15269-1] c 44 N82-29710

SOLID PROPELLANT IGNITION

Apparatus for igniting solid propellants Patent
[NASA-CASE-XLE-00207] c 28 N70-33375
Method of igniting solid propellants Patent
[NASA-CASE-XLE-01988] c 27 N71-15634
Molded composite pyrogen igniter for rocket motors --- solid propellant ignition
[NASA-CASE-LAR-12018-1] c 20 N78-24275
Method and apparatus for suppressing ignition overpressure in solid rocket propulsion systems
[NASA-CASE-MFS-25843-1] c 20 N83-17588

SOLID PROPELLANT ROCKET ENGINES

Spherical solid-propellant rocket motor Patent
[NASA-CASE-XLA-00105] c 28 N70-33331
Mandrel for shaping solid propellant rocket fuel into a motor casing Patent
[NASA-CASE-XLA-00304] c 27 N70-34783
Spherically-shaped rocket motor Patent
[NASA-CASE-XHQ-01897] c 28 N70-35381
Propellant grain for rocket motors Patent
[NASA-CASE-XGS-03556] c 27 N70-35534
Apparatus and method for control of a solid fueled rocket vehicle Patent
[NASA-CASE-XNP-00217] c 28 N70-38181
Steerable solid propellant rocket motor Patent
[NASA-CASE-XNP-00234] c 28 N70-38645

Method of making a solid propellant rocket motor Patent
[NASA-CASE-XLA-04126] c 28 N71-26779
Electrical apparatus for detection of thermal decomposition of insulation Patent
[NASA-CASE-XMF-03968] c 14 N71-27186
Solid propellant rocket motor
[NASA-CASE-XNP-03282] c 28 N72-20758
Solid propellant rocket motor nozzle
[NASA-CASE-NPO-11458] c 28 N72-23810
Solid propellant rocket motor
[NASA-CASE-NPO-11559] c 28 N73-24784
Space vehicle
[NASA-CASE-MFS-22734-1] c 18 N75-19329
Solid propellant rocket motor and method of making same
[NASA-CASE-XLA-1349] c 20 N77-17143
Molded composite pyrogen igniter for rocket motors --- solid propellant ignition
[NASA-CASE-LAR-12018-1] c 20 N78-24275
Solid propellant motor
[NASA-CASE-NPO-11458A] c 20 N78-32179
Space Shuttle with improved external propellant tank
[NASA-CASE-MFS-25853] c 16 N83-13149
Method and apparatus for suppressing ignition overpressure in solid rocket propulsion systems
[NASA-CASE-MFS-25843-1] c 20 N83-17588

SOLID PROPELLANTS

Variable thrust ion engine utilizing thermally decomposable solid fuel Patent
[NASA-CASE-XMF-00923] c 28 N70-36802
Means and method of measuring viscoelastic strain Patent
[NASA-CASE-XNP-01153] c 32 N71-17645
Processing for producing a sterilized instrument Patent
[NASA-CASE-XNP-09763] c 14 N71-20461
Method of forming difunctional polysubethylene
[NASA-CASE-NPO-10893] c 27 N73-22710

SOLID ROCKET BINDERS

Solid propellant liner Patent
[NASA-CASE-XNP-09744] c 27 N71-16392
Silicone containing solid propellant
[NASA-CASE-NPO-14477-1] c 28 N80-28536

SOLID ROCKET PROPELLANTS

Process for preparing sterile solid propellants Patent
[NASA-CASE-XNP-01749] c 27 N70-41897
Burning rate control of solid propellants Patent
[NASA-CASE-XLE-03494] c 27 N71-21819
Hydrazinium nitroformate propellant stabilized with nitroguanidine
[NASA-CASE-NPO-12000] c 27 N72-25699
Hydrazinium nitroformate propellant with saturated polymeric hydrocarbon binder
[NASA-CASE-NPO-12015] c 27 N73-16764
Preparing oxidizer coated metal fuel particles
[NASA-CASE-NPO-11975-1] c 28 N74-33209
Casting propellant in rocket engine
[NASA-CASE-LAR-11995-1] c 28 N77-10213
Solid propellant rocket motor and method of making same
[NASA-CASE-XLA-1349] c 20 N77-17143
High performance ammonium nitrate propellant
[NASA-CASE-NPO-14260-1] c 28 N79-28342
Process for the leaching of AP from propellant
[NASA-CASE-NPO-14109-1] c 28 N80-23471
Silicone containing solid propellant
[NASA-CASE-NPO-14477-1] c 28 N80-28536

SOLID STATE

Solid state chemical source for ammonia beam maser Patent
[NASA-CASE-XGS-01504] c 16 N70-41578

SOLID STATE DEVICES

Solid state switch
[NASA-CASE-XNP-09228] c 09 N69-27500
Temperature compensated solid state differential amplifier Patent
[NASA-CASE-XAC-00435] c 09 N70-35440
Operational integrator Patent
[NASA-CASE-NPO-10230] c 09 N71-12520
Microwave power receiving antenna Patent
[NASA-CASE-MFS-20333] c 09 N71-13486
Counter and shift register Patent
[NASA-CASE-XNP-01753] c 08 N71-22897
Solid state television camera system Patent
[NASA-CASE-XMF-06092] c 07 N71-24612
Switching circuit Patent
[NASA-CASE-NPO-06505] c 10 N71-24799
Transverse piezoresistance and pinch effect electromechanical transducers Patent
[NASA-CASE-ERC-10088] c 26 N71-25490
A solid state acoustic variable time delay line Patent
[NASA-CASE-ERC-10032] c 10 N71-25900
Broadband stable power multiplier Patent
[NASA-CASE-XNP-10854] c 10 N71-26331

Solid state remote circuit selector switch
[NASA-CASE-LEW-10387] c 09 N72-22201

RF controlled solid state switch
[NASA-CASE-ARC-10136-1] c 09 N72-22202

Thermal to electrical power conversion system with solid-state switches with Seebeck effect compensation
[NASA-CASE-NPO-11388] c 03 N72-23048

Radiation sensitive solid state switch
[NASA-CASE-NPO-10817-1] c 08 N73-30135

Full wave modulator-demodulator amplifier apparatus — for generating rectified output signal
[NASA-CASE-FRC-10072-1] c 33 N74-14939

Traveling wave solid state amplifier utilizing a semiconductor with negative differential mobility
[NASA-CASE-HQN-10069] c 33 N75-27251

Solid-state current transformer
[NASA-CASE-MFS-22560-1] c 33 N77-14335

Space-charge-limited solid-state triode
[NASA-CASE-NPO-13064-1] c 33 N79-11314

Hermetically sealable package for hybrid solid-state electronic devices and the like
[NASA-CASE-MSC-20181-1] c 33 N82-28549

Control means for a solid state crossbar switch
[NASA-CASE-NPO-15066-1] c 33 N82-29538

SOLID SURFACES
Dye penetrant for surfaces subsequently contacted by liquid oxygen Patent
[NASA-CASE-XMF-02221] c 18 N71-27170

SOLID WASTES
Process of forming catalytic surfaces for wet oxidation reactions
[NASA-CASE-MSC-14831-1] c 25 N78-10225

SOLID-SOLID INTERFACES
Coal-shale interface detection
[NASA-CASE-MFS-23720-3] c 43 N79-25443

Coal-rock interface detector
[NASA-CASE-MFS-23725-1] c 43 N79-31706

SOLIDIFICATION
Method of preparing radially homogeneous mercury cadmium telluride crystals
[NASA-CASE-MFS-25786-1] c 76 N83-18533

Method and apparatus for supercooling and solidifying substances
[NASA-CASE-MFS-25242-1] c 35 N83-29650

SOLIDIFIED GASES
Cooling by conversion of para to ortho-hydrogen
[NASA-CASE-GSC-12770-1] c 25 N83-29324

SOLIDS
Apparatus and method to keep the walls of a free space reactor free from deposits of solid materials
[NASA-CASE-NPO-15851-1] c 73 N83-12986

SOLIDS FLOW
Use of glow discharge in fluidized beds
[NASA-CASE-ARC-11245-1] c 28 N82-18401

Acoustic agglomeration methods and apparatus
[NASA-CASE-NPO-15466-1] c 71 N82-27087

SOLUBILITY
Fire resistant coating composition Patent
[NASA-CASE-GSC-10072] c 18 N71-14014

Insoluble polyelectrolyte and ion-exchange hollow fiber impregnated therewith
[NASA-CASE-NPO-13530-1] c 25 N81-17187

Method for the preparation of thin-skinned asymmetric reverse osmosis membranes and products thereof
[NASA-CASE-ARC-11359-1] c 27 N82-28444

SOLUTES
Specific wavelength colorimeter — for measuring given solute concentration in test sample
[NASA-CASE-MSC-14081-1] c 35 N74-27860

SOLUTIONS
Asymmetric polyimide separation membrane and method
[NASA-CASE-NPO-15431-1] c 25 N81-29178

SOLVENT EXTRACTION
Recovery of aluminum from composite propellants
[NASA-CASE-NPO-14110-1] c 28 N81-15119

Supercritical multicomponent solvent coal extraction
[NASA-CASE-NPO-15767-1] c 28 N82-12241

SOLVENT REFINED COAL
Supercritical solvent coal extraction
[NASA-CASE-NPO-15210-1] c 28 N82-26481

SOLVENTS
Coal desulfurization — using iron pentacarbonyl
[NASA-CASE-NPO-14272-1] c 25 N81-33246

Ethynyl and substituted ethynyl-terminated polysulfones
[NASA-CASE-LAR-12931-1] c 23 N83-17590

Polyphenylene ethers with imide linking groups
[NASA-CASE-LAR-12980-1] c 27 N83-21143

A solvent resistant, thermoplastic aromatic poly(midesulfone) and process for preparing same
[NASA-CASE-LAR-12858-2] c 27 N83-29391

SONAR
Method for shaping and aiming narrow beams — sonar mapping and target identification
[NASA-CASE-NPO-14632-1] c 32 N82-18443

Echo tracker/range finder for radars and sonars
[NASA-CASE-NPO-14361-1] c 32 N82-23376

SONIC BOOMS
Instrumentation for measurement of aircraft noise and sonic boom
[NASA-CASE-LAR-11173-1] c 35 N75-19614

Instrumentation for measuring aircraft noise and sonic boom
[NASA-CASE-LAR-11476-1] c 07 N76-27232

SORBATES
Apparatus for measuring a sorbate dispersed in a fluid stream
[NASA-CASE-ARC-10896-1] c 35 N78-19465

SORET COEFFICIENT
Method of growing composites of the type exhibiting the Soret effect — improved structure of eutectic alloy crystals
[NASA-CASE-MFS-22926-1] c 24 N77-27187

SOUND GENERATORS
Ejectable underwater sound source recovery assembly
[NASA-CASE-LAR-10595-1] c 35 N74-16135

Acoustic suspension system
[NASA-CASE-NPO-15435-1] c 71 N83-36846

SOUND LOCALIZATION
Resolution enhanced sound detecting apparatus
[NASA-CASE-NPO-14134-1] c 71 N79-23753

SOUND PRESSURE
Instrumentation for measurement of aircraft noise and sonic boom
[NASA-CASE-LAR-11173-1] c 35 N75-19614

Differential sound level meter
[NASA-CASE-LAR-12106-1] c 71 N78-14867

SOUND PROPAGATION
System for plotting subsoil structure and method therefor
[NASA-CASE-NPO-14191-1] c 31 N80-32584

SOUND RANGING
Echo tracker/range finder for radars and sonars
[NASA-CASE-NPO-14361-1] c 32 N82-23376

SOUND TRANSDUCERS
Method for detecting hydrogen gas
[NASA-CASE-XMF-03873] c 06 N69-39733

Cosmic dust sensor
[NASA-CASE-GSC-10503-1] c 14 N72-20381

Resolution enhanced sound detecting apparatus
[NASA-CASE-NPO-14134-1] c 71 N79-23753

Pulse transducer with artifact signal attenuator — heart rate sensors
[NASA-CASE-FRC-11012-1] c 52 N80-23969

Acoustic system for material transport
[NASA-CASE-NPO-15435-1] c 71 N83-32515

SOUND WAVES
Phonocardiograph transducer Patent
[NASA-CASE-XMS-05365] c 14 N71-22993

Material suspension within an acoustically excited resonant chamber — at near weightless conditions
[NASA-CASE-NPO-13263-1] c 12 N75-24774

Acoustic energy shaping
[NASA-CASE-NPO-13802-1] c 71 N78-10837

Acoustic driving of rotor
[NASA-CASE-NPO-14005-1] c 71 N79-20827

Acoustic suspension system
[NASA-CASE-NPO-15435-1] c 71 N81-27887

Acoustic rotation control
[NASA-CASE-NPO-15689-1] c 35 N82-24475

Acoustic particle separation
[NASA-CASE-NPO-15559-1] c 71 N82-29112

Acoustic bubble removal method
[NASA-CASE-NPO-15334-1] c 71 N83-35781

SOUNDING ROCKETS
Attitude control system for sounding rockets Patent
[NASA-CASE-XGS-01654] c 31 N71-24750

Method and system for ejecting fairing sections from a rocket vehicle
[NASA-CASE-GSC-10590-1] c 31 N73-14853

SPACE CAPSULES
Assembly for recovering a capsule Patent
[NASA-CASE-XMF-00841] c 31 N70-36410

Space capsule Patent
[NASA-CASE-XLA-01332] c 31 N71-15664

Space capsule ejection assembly Patent
[NASA-CASE-XMF-03169] c 31 N71-15675

SPACE CHARGE
Space-charge-limited solid-state triode
[NASA-CASE-NPO-13064-1] c 33 N79-11314

SPACE COMMUNICATION
Multiple input radio receiver Patent
[NASA-CASE-XLA-00901] c 07 N71-10775

Tracking receiver Patent
[NASA-CASE-XGS-08679] c 10 N71-21473

Apparatus providing a directive field pattern and attitude sensing of a spin stabilized satellite Patent
[NASA-CASE-XGS-02607] c 31 N71-23009

Space communication system for compressed data with a concatenated Reed-Solomon-Viterbi coding channel
[NASA-CASE-NPO-13545-1] c 32 N77-12240

SPACE ENVIRONMENT SIMULATION
Voltage-current characteristic simulator Patent
[NASA-CASE-XMS-01554] c 10 N71-10578

Fluid dispensing apparatus and method Patent
[NASA-CASE-XLE-01182] c 27 N71-15635

Reduced gravity simulator Patent
[NASA-CASE-XLA-01787] c 11 N71-16028

Apparatus for measuring electric field strength on the surface of a model vehicle Patent
[NASA-CASE-XLE-02038] c 09 N71-16086

Optical characteristics measuring apparatus Patent
[NASA-CASE-XNP-08840] c 23 N71-16365

Omni-directional anisotropic molecular trap Patent
[NASA-CASE-XGS-00783] c 30 N71-17788

Space environmental work simulator Patent
[NASA-CASE-XMF-07488] c 11 N71-18773

Mechanical simulator of low gravity conditions Patent
[NASA-CASE-MFS-10555] c 11 N71-19494

Self-lubricating fluoride metal composite materials Patent
[NASA-CASE-XLE-08511] c 18 N71-23710

Autogeneration test cell Patent
[NASA-CASE-KSC-10198] c 11 N71-28629

Illumination system including a virtual light source Patent
[NASA-CASE-HQN-10781] c 23 N71-30292

Underwater space suit pressure control regulator
[NASA-CASE-MFS-20332] c 05 N72-20097

Diffuser/ejector system for a very high vacuum environment
[NASA-CASE-MFS-15791-1] c 37 N82-33712

SPACE ERECTABLE STRUCTURES
Flexible foam erectable space structures Patent
[NASA-CASE-XLA-00686] c 31 N70-34135

Erectable modular space station Patent
[NASA-CASE-XLA-00678] c 31 N70-34296

Manned space station Patent
[NASA-CASE-XLA-00258] c 31 N70-38676

Collapsible loop antenna for space vehicle Patent
[NASA-CASE-XMF-00437] c 07 N70-40202

Passive communication satellite Patent
[NASA-CASE-XLA-00210] c 30 N70-40309

Flexible wing deployment device Patent
[NASA-CASE-XLA-01220] c 02 N70-41863

Capillary radiator Patent
[NASA-CASE-XLE-03307] c 33 N71-14035

Space manufacturing machine Patent
[NASA-CASE-MFS-20410] c 15 N71-19214

Roll-up solar array Patent
[NASA-CASE-NPO-10188] c 03 N71-20273

Collapsible reflector Patent
[NASA-CASE-XMS-03454] c 09 N71-20658

Inflatable support structure Patent
[NASA-CASE-XLA-01731] c 32 N71-21045

Radiator deployment actuator Patent
[NASA-CASE-MSC-11817-1] c 15 N71-26611

Inflatable tether Patent
[NASA-CASE-XMS-10993] c 15 N71-28936

Expandable space frames
[NASA-CASE-ERC-10385-1] c 31 N73-32749

Apparatus for assembling space structure
[NASA-CASE-MFS-23579-1] c 18 N79-11108

Lightweight structural columns — space erectable trusses
[NASA-CASE-LAR-12095-1] c 31 N81-25258

Telescoping columns — parabolic antenna support
[NASA-CASE-LAR-12195-1] c 31 N81-27324

SPACE EXPLORATION
Vehicle for use in planetary exploration
[NASA-CASE-NPO-11366] c 11 N73-26238

SPACE FLIGHT
Portable environmental control system Patent
[NASA-CASE-XMS-09632-1] c 05 N71-11203

Television simulation for aircraft and space flight Patent
[NASA-CASE-XFR-03107] c 09 N71-19449

SPACE FLIGHT FEEDING
Helmet feedport
[NASA-CASE-XMS-09653] c 54 N78-17680

Self-charging metering and dispensing device for fluids
[NASA-CASE-MSC-20275-1] c 35 N83-17856

SPACE INDUSTRIALIZATION
Apparatus for assembling space structure
[NASA-CASE-MFS-23579-1] c 18 N79-11108

SPACE MAINTENANCE
Thruster maintenance system Patent
[NASA-CASE-MFS-20325] c 28 N71-27095

High temperature emittance coatings and coating compositions — repairing damaged space shuttle tiles in space
[NASA-CASE-MSC-18851-1] c 27 N82-26460

Hot melt recharge system
[NASA-CASE-LAR-12881-1] c 27 N82-26464

- Spray applicator for spraying coatings and other fluids in space
[NASA-CASE-MSC-18852-1] c 37 N82-28640
- Mechanical fastener
[NASA-CASE-LAR-12738-1] c 18 N82-33419
- Hot melt adhesive attachment pad
[NASA-CASE-LAR-12894-1] c 27 N83-34044
- SPACE MANUFACTURING**
- Material suspension within an acoustically excited resonant chamber --- at near weightless conditions
[NASA-CASE-NPO-13263-1] c 12 N75-24774
- Method for manufacturing mirrors in zero gravity environment
[NASA-CASE-MSC-12611-1] c 12 N76-15189
- Apparatus for assembling space structure
[NASA-CASE-MFS-23579-1] c 18 N79-11108
- Structural members, method and apparatus
[NASA-CASE-MSC-16217-1] c 31 N81-27323
- Self-locking mechanical center joint --- for space construction
[NASA-CASE-LAR-12864-1] c 37 N82-29606
- SPACE MISSIONS**
- Method of planetary atmospheric investigation using a split-trajectory dual flyby mode Patent
[NASA-CASE-XAC-08494] c 30 N71-15990
- Deep space monitor communication satellite system Patent
[NASA-CASE-XAC-06029-1] c 31 N71-24813
- A method of delivering a vehicle to earth orbit and returning the reusable portion thereof to earth
[NASA-CASE-MSC-12391] c 30 N73-12884
- SPACE NAVIGATION**
- Trigonometric vehicle guidance assembly which aligns the three perpendicular axes of two three-axes systems Patent
[NASA-CASE-XMF-00684] c 21 N71-21688
- Dual purpose momentum wheels for spacecraft with magnetic recording
[NASA-CASE-NPO-11481] c 21 N73-13644
- Star tracking reticles and process for the production thereof
[NASA-CASE-GSC-11188-2] c 21 N73-19630
- SPACE ORIENTATION**
- Method and apparatus for determining satellite orientation utilizing spatial energy sources Patent
[NASA-CASE-XGS-00466] c 21 N70-34297
- SPACE PLATFORMS**
- Articulated joint for deployable structures
[NASA-CASE-NPO-16038-1] c 37 N83-20157
- SPACE PROCESSING**
- Exothermic furnace module
[NASA-CASE-MFS-25707-1] c 35 N82-26631
- SPACE RENDEZVOUS**
- Method and apparatus for securing to a spacecraft Patent
[NASA-CASE-MFS-11133] c 31 N71-16222
- Apparatus for releasably connecting first and second objects in predetermined space relationship
[NASA-CASE-MSC-18969-1] c 15 N82-28318
- SPACE SHUTTLE ORBITERS**
- Surface conforming thermal/pressure seal --- tail assemblies of space shuttle orbiters
[NASA-CASE-MSC-18422-1] c 37 N82-16408
- High temperature emittance coatings and coating compositions --- repairing damaged space shuttle tiles in space
[NASA-CASE-MSC-18851-1] c 27 N82-26460
- Television camera video level control system --- space shuttle orbiters
[NASA-CASE-MSC-18578-1] c 74 N82-27121
- CAM controlled retractable door latch
[NASA-CASE-MSC-20304-1] c 37 N82-31690
- Space Shuttle with improved external propellant tank
[NASA-CASE-MFS-25853] c 16 N83-13149
- Prestressed thermal protection systems --- space shuttle orbiters
[NASA-CASE-MSC-20254-1] c 24 N83-17601
- Shell tile thermal protection system
[NASA-CASE-LAR-12862-1] c 24 N83-17602
- Self-charging metering and dispensing device for fluids
[NASA-CASE-MSC-20275-1] c 35 N83-17856
- High temperature glass thermal control structure and coating --- for application to spacecraft reusable heat shielding
[NASA-CASE-ARC-11164-1] c 44 N83-34448
- SPACE SHUTTLES**
- Flight craft Patent
[NASA-CASE-XAC-02058] c 02 N71-16087
- A method of delivering a vehicle to earth orbit and returning the reusable portion thereof to earth
[NASA-CASE-MSC-12391] c 30 N73-12884
- Space shuttle vehicle and system
[NASA-CASE-MSC-12433] c 31 N73-14854
- Variable ratio mixed-mode bilateral master-slave control system for shuttle remote manipulator system
[NASA-CASE-MSC-14245-1] c 18 N75-27041
- Fused silicide coatings containing discrete particles for protecting niobium alloys --- used in space shuttle thermal protection systems and turbine engine components
[NASA-CASE-LEW-11179-1] c 27 N76-16229
- Device for coupling a first vehicle to a second vehicle
[NASA-CASE-GSC-12429-1] c 37 N81-14320
- System for sterilizing objects --- cleaning space vehicle systems
[NASA-CASE-KSC-11085-1] c 54 N81-24724
- Terminal guidance sensor system --- space shuttle coupling to orbiting satellites
[NASA-CASE-NPO-14521-1] c 37 N81-27519
- Adjustable high emittance gap filler --- reentry shielding for space shuttle vehicles
[NASA-CASE-ARC-11310-1] c 27 N82-24339
- Hemispherical latching apparatus for payload retention
[NASA-CASE-MFS-25837] c 16 N82-31398
- SPACE SIMULATORS**
- Space simulator Patent
[NASA-CASE-XNP-00459] c 11 N70-38675
- Variable geometry manned orbital vehicle Patent
[NASA-CASE-XLA-03691] c 31 N71-15674
- Space simulation and radiative property testing system and method Patent
[NASA-CASE-MFS-20096] c 14 N71-30026
- Biocentrifuge system capable of exchanging specimen cages while in operational mode
[NASA-CASE-MFS-23825-1] c 51 N81-32829
- SPACE STATIONS**
- Manned space station Patent
[NASA-CASE-XLA-00258] c 31 N70-38676
- Meteoroid impact position locator aid for manned space station
[NASA-CASE-LAR-10629-1] c 35 N75-33367
- Multiple in-line docking capability for rotating space stations
[NASA-CASE-MFS-20855-1] c 15 N77-10112
- SPACE STORAGE**
- Hemispherical latching apparatus for payload retention
[NASA-CASE-MFS-25837] c 16 N82-31398
- SPACE SUITS**
- Universal pilot restraint suit and body support therefor Patent
[NASA-CASE-XAC-00405] c 05 N70-41819
- Space suit pressure stabilizer Patent
[NASA-CASE-XLA-05332] c 05 N71-11194
- Equipotential space suit Patent
[NASA-CASE-LAR-10007-1] c 05 N71-11195
- Biological isolation garment Patent
[NASA-CASE-MSC-12206-1] c 05 N71-17599
- Space environmental work simulator Patent
[NASA-CASE-XMF-07488] c 11 N71-18773
- Space suit heat exchanger Patent
[NASA-CASE-XMS-09571] c 05 N71-19439
- G conditioning suit Patent
[NASA-CASE-XLA-02898] c 05 N71-20268
- Hard space suit Patent
[NASA-CASE-XAC-07043] c 05 N71-23161
- Evacuation port seal Patent
[NASA-CASE-XMF-03290] c 15 N71-23256
- Fabric for micrometeoroid protection garment Patent
[NASA-CASE-MSC-12109] c 18 N71-26285
- Venting device for pressurized space suit helmet Patent
[NASA-CASE-XMS-09652-1] c 05 N71-26333
- Automatic control of liquid cooling garment by cutaneous and external auditory meatus temperatures
[NASA-CASE-MSC-13917-1] c 05 N72-15098
- Underwater space suit pressure control regulator
[NASA-CASE-MFS-20332] c 05 N72-20097
- Space suit having improved waist and torso movement
[NASA-CASE-ARC-10275-1] c 05 N72-22092
- Underwater space suit pressure control regulator
[NASA-CASE-MFS-20332-2] c 05 N73-25125
- Temperature controller for a fluid cooled garment
[NASA-CASE-ARC-10599-1] c 05 N73-26071
- Space suit
[NASA-CASE-MSC-12609-1] c 05 N73-32012
- Non-flammable elastomeric fiber from a fluorinated elastomer and containing an halogenated flame retardant
[NASA-CASE-MSC-14331-1] c 27 N76-24405
- Protective garment ventilation system
[NASA-CASE-XMS-04928] c 54 N78-17679
- Emergency space-suit helmet
[NASA-CASE-MSC-10954-1] c 54 N78-18761
- Spacesuit mobility joints
[NASA-CASE-ARC-11058-1] c 54 N78-31735
- Spacesuit torso closure
[NASA-CASE-ARC-11100-1] c 54 N78-31736
- Cooling system for removing metabolic heat from an hermetically sealed spacesuit
[NASA-CASE-ARC-11059-1] c 54 N78-32721
- Spacesuit mobility knee joints
[NASA-CASE-ARC-11058-2] c 54 N79-24651
- Absorbent product to absorb fluids --- for collection of human wastes
[NASA-CASE-MSC-18223-1] c 24 N82-29362
- SPACE TOOLS**
- Pneumatic inflatable end effector
[NASA-CASE-MFS-23696-1] c 54 N81-26718
- SPACE TRANSPORTATION SYSTEM**
- Coupling device for moving vehicles
[NASA-CASE-GSC-12322-1] c 37 N80-14398
- Three stage rocket vehicle with parallel staging --- space transportation system
[NASA-CASE-MFS-25878-1] c 18 N83-12138
- SPACE VEHICLE CHECKOUT PROGRAM**
- Hydraulic support for dynamic testing Patent
[NASA-CASE-XMF-03248] c 11 N71-10604
- Electronic checkout system for space vehicles Patent
[NASA-CASE-XKS-08012-2] c 31 N71-15566
- High pressure gas filter system Patent
[NASA-CASE-MFS-12806] c 14 N71-17588
- SPACEBORNE EXPERIMENTS**
- Thermal control system
[NASA-CASE-GSC-12771-1] c 34 N83-12361
- SPACEBORNE TELESCOPES**
- Anastigmatic three-mirror telescope
[NASA-CASE-MFS-23675-1] c 89 N79-10969
- Cooled echelle grating spectrometer --- for space telescope applications
[NASA-CASE-NPO-14372-1] c 35 N80-26635
- Extended range X-ray telescope
[NASA-CASE-MFS-25282-1] c 34 N83-19015
- SPACECRAFT**
- Interconnection of solar cells Patent
[NASA-CASE-XGS-01475] c 03 N71-11058
- Attitude sensor for space vehicles Patent
[NASA-CASE-XLA-00793] c 21 N71-22880
- Solar cell and circuit array and process for nullifying magnetic fields Patent
[NASA-CASE-XGS-03390] c 03 N71-23187
- High efficiency ionizer assembly Patent
[NASA-CASE-XNP-01954] c 28 N71-28850
- Altitude simulation chamber for rocket engine testing
[NASA-CASE-MFS-20620] c 11 N72-27262
- SPACECRAFT ANTENNAS**
- Parasitic probe antenna Patent
[NASA-CASE-XKS-09348] c 09 N71-13521
- Millimeter wave antenna system Patent Application
[NASA-CASE-GSC-10949-1] c 07 N71-28965
- Integrated thermoelectric generator/space antenna combination
[NASA-CASE-XER-09521] c 09 N72-12136
- Omnidirectional slot antenna for mounting on cylindrical space vehicle
[NASA-CASE-LAR-10163-1] c 09 N72-25247
- Singly-curved reflector for use in high-gain antennas
[NASA-CASE-NPO-11361] c 07 N72-32169
- Collapsible structure for an antenna reflector
[NASA-CASE-NPO-11751] c 07 N73-24176
- Multi-channel rotating optical interface for data transmission
[NASA-CASE-NPO-14066-1] c 74 N79-34011
- Antenna deployment mechanism for use with a spacecraft --- extensible and retractable telescopic antenna mast
[NASA-CASE-GSC-12331-1] c 18 N80-14183
- Spiral slotted phased antenna array
[NASA-CASE-MSC-18532-1] c 32 N82-27558
- SPACECRAFT CABIN ATMOSPHERES**
- Thermal control wall panel Patent
[NASA-CASE-XLA-01243] c 33 N71-22792
- Nonflammable coating compositions --- for use in high oxygen environments
[NASA-CASE-MFS-20486-2] c 27 N74-17283
- Regenerable device for scrubbing breathable air of CO₂ and moisture without special heat exchanger equipment
[NASA-CASE-MSC-14771-1] c 54 N77-32722
- SPACECRAFT COMMUNICATION**
- Time division multiplex system
[NASA-CASE-XGS-05918] c 07 N69-39974
- Phase-shift data transmission system having a pseudo-noise SYNC code modulated with the data in a single channel Patent
[NASA-CASE-XNP-00911] c 08 N70-41961
- Tracking receiver Patent
[NASA-CASE-XGS-08679] c 10 N71-21473
- Omnidirectional microwave spacecraft antenna Patent
[NASA-CASE-XLA-03114] c 09 N71-22888
- VHF/UHF parasitic probe antenna Patent
[NASA-CASE-XKS-09340] c 07 N71-24614
- Rapid sync acquisition system Patent
[NASA-CASE-NPO-10214] c 10 N71-26577

SUBJECT INDEX

Turnstile slot antenna
[NASA-CASE-GSC-11428-1] c 32 N74-20864

Switchable beamwidth monopulse method and system
[NASA-CASE-GSC-11924-1] c 33 N76-27472

Antenna feed system for receiving circular polarization and transmitting linear polarization
[NASA-CASE-NPO-14362-1] c 32 N80-16261

Common data buffer system --- communication with computational equipment utilized in spacecraft operations
[NASA-CASE-KSC-11048-1] c 62 N81-24779

Apparatus and method for determining the position of a radiant energy source
[NASA-CASE-GSC-12147-1] c 32 N81-27341

Electronic conscaning spacecraft communication system
[NASA-CASE-NPO-15899-1] c 32 N83-19970

SPACECRAFT COMPONENTS

Electrical connector Patent Application
[NASA-CASE-MFS-14741] c 09 N70-20737

Vibration damping system Patent
[NASA-CASE-XMS-01620] c 23 N71-15673

Intermittent type silica gel adsorption refrigerator Patent
[NASA-CASE-XNP-00920] c 15 N71-15906

Omni-directional anisotropic molecular trap Patent
[NASA-CASE-XGS-00783] c 30 N71-17788

Spacecraft airlock Patent
[NASA-CASE-XLA-02050] c 31 N71-22968

Docking structure for spacecraft Patent
[NASA-CASE-XMF-05941] c 31 N71-23912

Redundant actuating mechanism Patent
[NASA-CASE-XGS-08718] c 15 N71-24600

Space simulator Patent
[NASA-CASE-NPO-10141] c 11 N71-24964

Spacecraft Patent
[NASA-CASE-MSC-13047-1] c 31 N71-25434

Peak acceleration limiter for vibrational tester Patent
[NASA-CASE-NPO-10556] c 14 N71-27185

Solid state thermal control polymer coating Patent
[NASA-CASE-XLA-01745] c 33 N71-28903

Scientific experiment flexible mount
[NASA-CASE-MSC-12372-1] c 31 N72-25842

Airlock
[NASA-CASE-MFS-20922-1] c 18 N74-22136

Thrust-isolating mounting --- characteristics of support for loads mounted in spacecraft
[NASA-CASE-MFS-21680-1] c 18 N74-27397

Variable ratio mixed-mode bilateral master-slave control system for shuttle remote manipulator system
[NASA-CASE-MSC-14245-1] c 18 N75-27041

High temperature penetrator assembly with bayonet plug and ramp-activated lock
[NASA-CASE-MSC-18526-1] c 37 N82-24494

Electrical self-aligning connector
[NASA-CASE-MFS-25211-2] c 33 N83-29592

SPACECRAFT CONFIGURATIONS

Inflatable honeycomb Patent
[NASA-CASE-XLA-00204] c 32 N70-36536

Space and atmospheric reentry vehicle Patent
[NASA-CASE-XGS-00260] c 31 N70-37924

Spacecraft separation system for spinning vehicles and/or payloads Patent
[NASA-CASE-XLA-02132] c 31 N71-10582

Space shuttle vehicle and system
[NASA-CASE-MSC-12433] c 31 N73-14854

Space vehicle
[NASA-CASE-MFS-22734-1] c 18 N75-19329

Space Shuttle with improved external propellant tank
[NASA-CASE-MFS-25853] c 16 N83-13149

SPACECRAFT CONSTRUCTION MATERIALS

Pressurized cell micrometeoroid detector Patent
[NASA-CASE-XLA-00936] c 14 N71-14996

Fluid impervious barrier including liquid metal alloy and method of making same Patent
[NASA-CASE-XNP-08881] c 17 N71-28747

Method of making a composite sandwich lattice structure
[NASA-CASE-LAR-11898-2] c 24 N78-17149

Diamondlike flake composites --- for use in aerospace structures and components
[NASA-CASE-LEW-13837-1] c 24 N83-28095

Curved cap corrugated sheet
[NASA-CASE-LAR-12884-1] c 31 N83-29446

Fixture for environmental exposure of structural materials under compression load
[NASA-CASE-LAR-12602-1] c 39 N83-32081

SPACECRAFT CONTROL

Light sensitive digital aspect sensor Patent
[NASA-CASE-XGS-00359] c 14 N70-34158

Space vehicle attitude control Patent
[NASA-CASE-XNP-00465] c 21 N70-35395

Parachute glider Patent
[NASA-CASE-XLA-00898] c 02 N70-36804

Attitude control for spacecraft Patent
[NASA-CASE-XNP-00294] c 21 N70-36938

Attitude orientation of spin-stabilized space vehicles Patent
[NASA-CASE-XLA-00281] c 21 N70-36943

Hypersonic reentry vehicle Patent
[NASA-CASE-XMS-04142] c 31 N70-41631

Roll attitude star sensor system Patent
[NASA-CASE-XNP-01307] c 21 N70-41856

Canopus detector including automotive gain control of photomultiplier tube Patent
[NASA-CASE-XNP-03914] c 21 N71-10771

Spacecraft experiment pointing and attitude control system Patent
[NASA-CASE-XLA-05464] c 21 N71-14132

Attitude control system Patent
[NASA-CASE-XGS-04393] c 21 N71-14159

Reactance control system Patent
[NASA-CASE-XMF-01588] c 21 N71-15583

Spacecraft attitude detection system by stellar reference Patent
[NASA-CASE-XGS-03431] c 21 N71-15642

Inertial reference apparatus Patent
[NASA-CASE-XAC-03107] c 23 N71-16098

Construction and method of arranging a plurality of ion engines to form a cluster Patent
[NASA-CASE-XNP-02923] c 28 N71-23081

Ion beam deflector Patent
[NASA-CASE-LEW-10689-1] c 28 N71-26173

Heated porous plug microthruster
[NASA-CASE-GSC-10640-1] c 28 N72-18766

Flight control system
[NASA-CASE-MSC-13397-1] c 21 N72-25595

All sky pointing attitude control system
[NASA-CASE-ARC-10716-1] c 35 N77-20399

SPACECRAFT DESIGN

Lunar landing flight research vehicle Patent
[NASA-CASE-XFR-00929] c 31 N70-34966

Space capsule Patent
[NASA-CASE-XLA-01332] c 31 N71-15664

Spacecraft radiator cover Patent
[NASA-CASE-MSC-12049] c 31 N71-16080

Method and apparatus for securing to a spacecraft Patent
[NASA-CASE-MFS-11133] c 31 N71-16222

Aerodynamic protection for space flight vehicles Patent
[NASA-CASE-XNP-02507] c 31 N71-17679

Self supporting space vehicle Patent
[NASA-CASE-XLA-00117] c 31 N71-17680

Multi-mission module Patent
[NASA-CASE-XMF-01543] c 31 N71-17730

Docking structure for spacecraft Patent
[NASA-CASE-XMF-05941] c 31 N71-23912

Spacecraft Patent
[NASA-CASE-MSC-13047-1] c 31 N71-25434

Emergency earth orbital escape device
[NASA-CASE-MSC-13281] c 31 N72-18859

Space vehicle
[NASA-CASE-MFS-22734-1] c 18 N75-19329

Space vehicle system
[NASA-CASE-MSC-12561-1] c 18 N76-17185

Method and apparatus for neutralizing potentials induced on spacecraft surfaces
[NASA-CASE-GSC-11963-1] c 33 N77-10429

SPACECRAFT DOCKING

Expanding center probe and drogue Patent
[NASA-CASE-XMS-03613] c 31 N71-16346

Docking structure for spacecraft Patent
[NASA-CASE-XMF-05941] c 31 N71-23912

Latching mechanism Patent
[NASA-CASE-MSC-15474-1] c 15 N71-26162

Docking structure for spacecraft
[NASA-CASE-MFS-20863] c 31 N73-26876

Latch mechanism
[NASA-CASE-MSC-12549-1] c 37 N74-27903

Spacecraft docking and alignment system --- using television camera system
[NASA-CASE-MSC-12559-1] c 18 N76-14186

Multiple in-line docking capability for rotating space stations
[NASA-CASE-MFS-20855-1] c 15 N77-10112

Combined docking and grasping device
[NASA-CASE-MFS-23088-1] c 37 N77-23483

Terminal guidance sensor system --- space shuttle coupling to orbiting satellites
[NASA-CASE-NPO-14521-1] c 37 N81-27519

Apparatus for releasably connecting first and second objects in predetermined space relationship
[NASA-CASE-MSC-18969-1] c 15 N82-28318

Satellite retrieval system
[NASA-CASE-MFS-25403-1] c 18 N83-29303

SPACECRAFT ELECTRONIC EQUIPMENT

Dynamic Doppler simulator Patent
[NASA-CASE-XMS-05454-1] c 07 N71-12391

Vacuum deposition apparatus Patent
[NASA-CASE-XMF-01667] c 15 N71-17647

SPACECRAFT MODULES

Nose cone mounted heat resistant antenna Patent
[NASA-CASE-XMS-04312] c 07 N71-22984

Electrical self-aligning connector
[NASA-CASE-MFS-25211-2] c 33 N83-29592

SPACECRAFT ENVIRONMENTS

Portable environmental control system Patent
[NASA-CASE-XMS-08632-1] c 05 N71-11203

Quick disconnect latch and handle combination Patent
[NASA-CASE-MFS-11132] c 15 N71-17649

Dual solid cryogenics for spacecraft refrigeration Patent
[NASA-CASE-GSC-10188-1] c 23 N71-24725

Dual stage check valve
[NASA-CASE-MSC-13587-1] c 15 N73-30459

Metering gun for dispensing precisely measured charges of fluid
[NASA-CASE-MFS-21163-1] c 54 N74-17853

Automatic thermal switch --- spacecraft applications
[NASA-CASE-GSC-12553-1] c 34 N83-28356

SPACECRAFT GUIDANCE

Ejection unit Patent
[NASA-CASE-XNP-00676] c 15 N70-38996

Trigonometric vehicle guidance assembly which aligns the three perpendicular axes of two three-axis systems Patent
[NASA-CASE-XMF-00684] c 21 N71-21688

Solar vane actuator Patent
[NASA-CASE-XNP-05535] c 14 N71-23040

Azimuth laying system Patent
[NASA-CASE-XMF-01669] c 21 N71-23289

Hermetic sealed vibration damper Patent
[NASA-CASE-MSC-10959] c 15 N71-26243

Echo tracker/range finder for radars and sonars
[NASA-CASE-NPO-14381-1] c 32 N82-23376

SPACECRAFT INSTRUMENTS

Mechanical coordinate converter Patent
[NASA-CASE-XNP-00614] c 14 N70-36907

Air bearing Patent
[NASA-CASE-XMF-00339] c 15 N70-39896

Folding boom assembly Patent
[NASA-CASE-XGS-00936] c 32 N70-41367

Pressurized cell micrometeoroid detector Patent
[NASA-CASE-XLA-00936] c 14 N71-14996

Guidance and maneuver analyzer Patent
[NASA-CASE-XNP-09572] c 14 N71-15621

Clamping assembly for inertial components Patent
[NASA-CASE-XMS-02184] c 15 N71-20813

Optical projector system Patent
[NASA-CASE-XNP-03853] c 23 N71-21882

Combined optical attitude and altitude indicating instrument Patent
[NASA-CASE-XLA-01907] c 14 N71-23268

Method and apparatus for mapping planets
[NASA-CASE-NPO-11001] c 07 N72-21118

Spacecraft attitude control method and apparatus
[NASA-CASE-HQN-10439] c 21 N72-21624

Pump for delivering heated fluids
[NASA-CASE-NPO-11417] c 15 N73-24513

Deployable pressurized cell structure for a micrometeoroid detector
[NASA-CASE-LAR-10295-1] c 35 N74-21062

Distributed-switch Dicke radiometers
[NASA-CASE-GSC-12219-1] c 35 N80-18359

Real-time multiple-look synthetic aperture radar processor for spacecraft applications
[NASA-CASE-NPO-14054-1] c 32 N82-12297

Optical system
[NASA-CASE-NPO-15801-1] c 74 N83-25541

String cycle cryogenic cooler
[NASA-CASE-LAR-12697-1] c 44 N83-28574

Vibration isolation and pressure compensation apparatus for sensitive instrumentation
[NASA-CASE-LAR-12728-1] c 35 N83-32026

SPACECRAFT LANDING

Non-reusable kinetic energy absorber Patent
[NASA-CASE-XLE-00810] c 15 N70-34861

Foam generator Patent
[NASA-CASE-XLA-00838] c 03 N70-36778

Discrete local altitude sensing device Patent
[NASA-CASE-MSC-03792] c 14 N70-41812

SPACECRAFT LAUNCHING

Passive caging mechanism Patent
[NASA-CASE-GSC-10306-1] c 15 N71-24694

Disconnect unit
[NASA-CASE-NPO-11330] c 33 N73-26958

SPACECRAFT MODELS

Apparatus for measuring electric field strength on the surface of a model vehicle Patent
[NASA-CASE-XLE-02038] c 09 N71-16086

SPACECRAFT MODULES

Radial module space station Patent
[NASA-CASE-XMS-01906] c 31 N70-41373

Multi-mission module Patent
[NASA-CASE-XMF-01543] c 31 N71-17730

Spacecraft Patent
[NASA-CASE-MSC-13047-1] c 31 N71-25434

Thermal control system for a spacecraft modular housing
[NASA-CASE-GSC-11018-1] c 31 N73-30829

SPACECRAFT MOTION
Magnetic suspension and pointing system --- on a carrier vehicle
[NASA-CASE-LAR-11889-1] c 35 N79-26372

SPACECRAFT POSITION INDICATORS
Device for determining relative angular position between a spacecraft and a radiation emitting celestial body
[NASA-CASE-GSC-11444-1] c 14 N73-28490
Spacecraft attitude sensor
[NASA-CASE-GSC-10890-1] c 21 N73-30640

SPACECRAFT POWER SUPPLIES
Spacecraft battery seals
[NASA-CASE-XGS-03864] c 15 N69-24320
Space vehicle electrical system Patent
[NASA-CASE-XMF-00517] c 03 N70-34157
Ionospheric battery Patent
[NASA-CASE-XGS-01593] c 03 N70-35408
Generator for a space power system Patent
[NASA-CASE-XLE-04250] c 09 N71-20446
Monostable multivibrator
[NASA-CASE-GSC-10082-1] c 10 N72-20221
Stacked solar cell arrays
[NASA-CASE-NPO-11771] c 03 N73-20040
Thermoelectric power system --- for spacecraft
[NASA-CASE-MFS-22002-1] c 44 N76-16612
Solar energy power system
[NASA-CASE-MFS-21628-2] c 44 N76-23675
Module failure isolation circuit for paralleled inverters --- preventing system failure during power conditioning for spacecraft applications
[NASA-CASE-NPO-14000-1] c 33 N79-24254
Linear magnetic motor/generator --- to generate electric energy using magnetic flux for spacecraft power supply
[NASA-CASE-GSC-12518-1] c 33 N82-24421
Solar driven liquid metal MHD power generator
[NASA-CASE-LAR-12495-1] c 44 N83-28573

SPACECRAFT PROPULSION
Colloid propulsion method and apparatus Patent
[NASA-CASE-XLE-00817] c 28 N70-33265
Trajectory-correction propulsion system Patent
[NASA-CASE-XNP-01104] c 28 N70-39931
Ion engine casing construction and method of making same Patent
[NASA-CASE-XNP-06942] c 28 N71-23293
Voice operated controller Patent
[NASA-CASE-XLA-04063] c 31 N71-33160
Solid propellant motor
[NASA-CASE-NPO-11458A] c 20 N78-32179
General purpose rocket furnace
[NASA-CASE-MFS-23460-1] c 12 N79-26075
Speed control device for a heavy duty shaft --- solar sails for spacecraft propulsion
[NASA-CASE-NPO-14170-1] c 37 N81-15364

SPACECRAFT RADIATORS
Thermal control canister
[NASA-CASE-GSC-12253-1] c 34 N79-31523

SPACECRAFT RECOVERY
Assembly for recovering a capsule Patent
[NASA-CASE-XMF-00641] c 31 N70-36410
Wing deployment method and apparatus Patent
[NASA-CASE-XMS-00907] c 02 N70-41630
Satellite retrieval system
[NASA-CASE-MFS-25403-1] c 18 N83-29303

SPACECRAFT REENTRY
Space capsule Patent
[NASA-CASE-XLA-00149] c 31 N70-37938
Event recorder Patent
[NASA-CASE-XLA-01832] c 14 N71-21006

SPACECRAFT SHIELDING
Aerodynamic protection for space flight vehicles Patent
[NASA-CASE-XNP-02507] c 31 N71-17679
Isothermal cover with thermal reservoirs Patent
[NASA-CASE-MFS-20355] c 33 N71-25353
Stabilized zinc oxide coating compositions Patent
[NASA-CASE-XMF-07770-2] c 18 N71-26772
Electrically conductive thermal control coatings
[NASA-CASE-GSC-12207-1] c 24 N79-14156
Thermal insulation protection means
[NASA-CASE-MSC-12737-1] c 24 N79-25142
Thermal barrier pressure seal --- shielding junctions between spacecraft control surfaces and structures
[NASA-CASE-MSC-18134-1] c 37 N81-15363
Shell tile thermal protection system
[NASA-CASE-LAR-12862-1] c 24 N83-17602
High temperature glass thermal control structure and coating --- for application to spacecraft reusable heat shielding
[NASA-CASE-ARC-11164-1] c 44 N83-34448
Variable anodic thermal control coating
[NASA-CASE-LAR-12719-1] c 44 N83-34449

SPACECRAFT STABILITY

Reaction wheel scanner Patent
[NASA-CASE-XGS-02629] c 14 N71-21082

Attitude sensor
[NASA-CASE-LAR-10586-1] c 19 N74-15089
Annular momentum control device used for stabilization of space vehicles and the like
[NASA-CASE-LAR-11051-1] c 15 N76-14158
Tetherline system for orbiting satellites
[NASA-CASE-MFS-23564-1] c 15 N78-25119
Active nutation controller
[NASA-CASE-GSC-12273-1] c 35 N80-21719
Method of damping nutation motion with minimum spin axis attitude disturbance
[NASA-CASE-MSC-12551-1] c 18 N83-28064

SPACECRAFT STRUCTURES
Collapsible loop antenna for space vehicle Patent
[NASA-CASE-XMF-00437] c 07 N70-40202
Electro-optical alignment control system Patent
[NASA-CASE-XMF-00908] c 14 N70-40238
Spacecraft radiator cover Patent
[NASA-CASE-MSC-12049] c 31 N71-16080
Satellite appendage tie down cord Patent
[NASA-CASE-XGS-02554] c 31 N71-21064
Thermal control panel Patent
[NASA-CASE-XLA-07728] c 33 N71-22890
Inflatable tether Patent
[NASA-CASE-XMS-10993] c 15 N71-28936
Delayed simultaneous release mechanism
[NASA-CASE-GSC-10814-1] c 03 N73-20039
Pressurized panel
[NASA-CASE-XLA-08916-2] c 14 N73-28487
Structural heat pipe --- for spacecraft wall thermal insulation system
[NASA-CASE-GSC-11619-1] c 34 N75-12222
Auger attachment method for insulation --- of spacecraft
[NASA-CASE-MSC-12615-1] c 37 N76-19437
Particulate and solar radiation stable coating for spacecraft
[NASA-CASE-LAR-10805-2] c 34 N77-18382
Diced tile thermal protection for spacecraft
[NASA-CASE-MSC-16366-1] c 24 N79-23142
Pneumatic inflatable end effector
[NASA-CASE-MFS-23696-1] c 54 N81-26718

SPACECRAFT TELEVISION
Electrically-operated rotary shutter Patent
[NASA-CASE-XNP-00637] c 14 N70-40273
Television signal scan rate conversion system Patent
[NASA-CASE-XMS-07168] c 07 N71-11300
Optical conversion method --- for spacecraft television
[NASA-CASE-MSC-12618-1] c 74 N78-17865

SPACECRAFT TRACKING
Ranging system Patent
[NASA-CASE-NPO-10066] c 09 N71-18598
Deep space monitor communication satellite system Patent
[NASA-CASE-XAC-06029-1] c 31 N71-24813
Optical tracking mount Patent
[NASA-CASE-MFS-14017] c 14 N71-26627
Orbital and entry tracking accessory for globes --- to provide range requirements for reentry vehicles to any landing site
[NASA-CASE-LAR-10626-1] c 19 N74-21015
Conical scan tracking system employing a large antenna
[NASA-CASE-NPO-14009-1] c 32 N79-13214

SPACECREWS
Orbital escape device Patent
[NASA-CASE-XMS-06162] c 31 N71-28851

SPACELAB PAYLOADS
Hemispherical latching apparatus for payload retention
[NASA-CASE-MFS-25837] c 16 N82-31398

SPALLATION
Method of producing I-123 --- by bombardment of cesium causing spallation
[NASA-CASE-LEW-11390-2] c 25 N76-27383

SPARK CHAMBERS
Laser measuring system for incremental assemblies --- measuring wire-wrapped frame assemblies in spark chambers
[NASA-CASE-GSC-12321-1] c 36 N82-16396
Inorganic spark chamber frame and method of making the same
[NASA-CASE-GSC-12354-1] c 35 N82-24471

SPARK GAPS
Protective circuit of the spark gap type
[NASA-CASE-XAC-08981] c 09 N69-39897
Measurement of time differences between luminous events Patent
[NASA-CASE-XLA-01987] c 23 N71-23976

SPARK IGNITION
High temperature spark plug Patent
[NASA-CASE-XLE-00660] c 28 N70-39925
Plasma igniter for internal combustion engine
[NASA-CASE-NPO-13828-1] c 37 N79-11405

SPARK PLUGS

High temperature spark plug Patent
[NASA-CASE-XLE-00660] c 28 N70-39925

SPATIAL DISTRIBUTION

Propellant mass distribution metering apparatus Patent
[NASA-CASE-NPO-10185] c 10 N71-26339
Spatial energy distribution --- scanning a tunable diode laser beam automatically
[NASA-CASE-LAR-12631-1] c 35 N82-18557

SPATIAL FILTERING

Spatial filter for Q-switched lasers
[NASA-CASE-LEW-12164-1] c 36 N77-32478

SPECTRAL REFLECTANCE

Single reflector interference spectrometer and drive system therefor
[NASA-CASE-NPO-11932-1] c 35 N74-23040

SPECTRAL SIGNATURES

Multispectral imaging and analysis system --- using charge coupled devices and linear arrays
[NASA-CASE-NPO-13691-1] c 43 N79-17288

SPECTROMETERS

Photoelectric energy spectrometer Patent
[NASA-CASE-NPO-04161] c 14 N71-15599
Variable frequency nuclear magnetic resonance spectrometer Patent
[NASA-CASE-XNP-09830] c 14 N71-26266
Maksutov spectrograph Patent
[NASA-CASE-XLA-10402] c 14 N71-29041
Dual purpose optical instrument capable of simultaneously acting as spectrometer and diffractometer
[NASA-CASE-XNP-05231] c 14 N73-28491
Compton scatter attenuation gamma ray spectrometer
[NASA-CASE-MFS-21441-1] c 14 N73-30392
Mossbauer spectrometer radiation detector
[NASA-CASE-LAR-11155-1] c 35 N74-15091
Single reflector interference spectrometer and drive system therefor
[NASA-CASE-NPO-11932-1] c 35 N74-23040
Spectrometer integrated with a facsimile camera
[NASA-CASE-LAR-11207-1] c 35 N75-19613
Resonant waveguide stark cell --- using microwave spectrometers
[NASA-CASE-LAR-11352-1] c 33 N75-26245
Ion and electron detector for use in an ICR spectrometer
[NASA-CASE-NPO-13479-1] c 35 N77-10492
Frequency-scanning particle size spectrometer
[NASA-CASE-NPO-13606-2] c 35 N80-18364
Velocity servo for continuous scan Fourier interference spectrometer
[NASA-CASE-NPO-14093-1] c 35 N80-20563
Visible and infrared polarization ratio spectrophotometer
[NASA-CASE-LAR-12285-1] c 35 N80-28687
Correlation spectrometer having high resolution and multiplexing capability
[NASA-CASE-NPO-15558-1] c 35 N82-26636
Integrated optics in an electrically scanned imaging Fourier transform spectrometer
[NASA-CASE-NPO-15844-1] c 74 N83-12992

SPECTROPHOTOMETERS

Apparatus for producing three-dimensional recordings of fluorescence spectra Patent
[NASA-CASE-XGS-01231] c 14 N70-41676
High resolution Fourier interferometer-spectrophotometer
[NASA-CASE-NPO-13604-1] c 35 N76-31490
Differential optoacoustic absorption detector
[NASA-CASE-NPO-13759-1] c 74 N78-17867

SPECTRORADIOMETERS

Compact spectroradiometer
[NASA-CASE-HQN-10683] c 14 N71-34389

SPECTROSCOPIC ANALYSIS

Spectroscopic equipment using a slender cylindrical reflector as a substitute for a slit Patent
[NASA-CASE-XGS-08269] c 23 N71-26206

SPECTRUM ANALYSIS

Photoelectric energy spectrometer Patent
[NASA-CASE-XNP-04161] c 14 N71-15599
Spectral method for monitoring atmospheric contamination of inert-gas welding shields Patent
[NASA-CASE-XMF-02039] c 15 N71-15871
Method and apparatus for high resolution spectral analysis
[NASA-CASE-NPO-10748] c 08 N72-20177
Stark cell optoacoustic detection of constituent gases in sample
[NASA-CASE-NPO-14143-1] c 25 N81-14015

SPECULAR REFLECTION

Real time reflectometer --- measurement of specular reflectance
[NASA-CASE-MFS-23118-1] c 35 N77-31465

SUBJECT INDEX

STABILIZATION

SPEECH RECOGNITION

Speech analyzer
[NASA-CASE-GSC-11898-1] c 32 N77-30309

SPEED CONTROL

System for maintaining a motor at a predetermined speed utilizing digital feedback means Patent
[NASA-CASE-XMF-06892] c 09 N71-24805

Optimal control system for an electric motor driven vehicle
[NASA-CASE-NPO-11210] c 11 N72-20244

Two speed drive system --- mechanical device for changing speed on rotating vehicle wheel
[NASA-CASE-MFS-20645-1] c 37 N74-23070

Low speed phase-locked speed control system --- for brushless dc motor
[NASA-CASE-GSC-11127-1] c 09 N75-24758

Speed control device for a heavy duty shaft --- solar sails for spacecraft propulsion
[NASA-CASE-NPO-14170-1] c 37 N81-15364

Variable speed drive
[NASA-CASE-GSC-12643-1] c 37 N83-26078

SPEED REGULATORS

A dc motor speed control system Patent
[NASA-CASE-MFS-14610] c 09 N71-28886

SPHERES

Guidance and maneuver analyzer Patent
[NASA-CASE-XNP-09572] c 14 N71-15621

Radar calibration sphere
[NASA-CASE-XLA-11154] c 07 N72-21117

Method of forming frozen spheres in a force-free drop tower
[NASA-CASE-NPO-14845-1] c 27 N82-28442

Contactless pellet fabrication --- targets for inertial confinement fusion
[NASA-CASE-NPO-15592-1] c 31 N83-17746

Sphere forming method and apparatus
[NASA-CASE-NPO-15070-1] c 31 N83-35176

SPHERICAL SHELLS

Electrode and insulator with shielded dielectric junction
[NASA-CASE-XLE-03778] c 09 N69-21542

Spherical measurement device
[NASA-CASE-XLA-06683] c 14 N72-28436

SPHERICAL TANKS

Spherical tank gauge Patent
[NASA-CASE-XMS-06236] c 14 N71-21007

SPHERICAL WAVES

Shock wave convergence apparatus
[NASA-CASE-MFS-20890] c 14 N72-22439

SPHYMOGRAPHY

Logic-controlled occlusive cuff system
[NASA-CASE-MSC-14836-1] c 52 N82-11770

SPIKE NOZZLES

Aerodynamic spike nozzle Patent
[NASA-CASE-XGS-01143] c 31 N71-15647

SPIKE POTENTIALS

Elimination of current spikes in buck power converters
[NASA-CASE-NPO-14505-1] c 33 N81-19393

SPILLING

A spillage detector for liquid chromatography systems
[NASA-CASE-MSC-20206-1] c 25 N83-29325

SPIN DYNAMICS

Nutation damper
[NASA-CASE-GSC-11205-1] c 15 N73-25513

Stabilization of He₂(a 3 Sigma u+) molecules in liquid helium by optical pumping for vacuum UV laser
[NASA-CASE-NPO-13993-1] c 72 N79-13826

SPIN REDUCTION

Optical spin compensator
[NASA-CASE-XGS-02401] c 14 N69-27485

Despin weight release Patent
[NASA-CASE-XLA-00679] c 15 N70-38601

Stretch de-spin mechanism Patent
[NASA-CASE-XGS-00619] c 30 N70-40016

Spacecraft separation system for spinning vehicles and/or payloads Patent
[NASA-CASE-XLA-02132] c 31 N71-10582

Method and means for damping nutation in a satellite Patent
[NASA-CASE-XMF-00442] c 31 N71-10747

SPIN STABILIZATION

Dynamic precession damper for spin stabilized vehicles Patent
[NASA-CASE-XLA-01989] c 21 N70-34295

Attitude orientation of spin-stabilized space vehicles Patent
[NASA-CASE-XLA-00281] c 21 N70-36943

Spacecraft attitude detection system by stellar reference Patent
[NASA-CASE-XGS-03431] c 21 N71-15642

Cartwheel satellite synchronization system Patent
[NASA-CASE-XGS-05579] c 31 N71-15676

Velocity package Patent
[NASA-CASE-XLA-01339] c 31 N71-15692

Passive dual spin misalignment compensators --- gyro-stabilized device
[NASA-CASE-GSC-11479-1] c 35 N74-28097

Deployable flexible ventral fins for use as an emergency spin recovery device in aircraft
[NASA-CASE-LAR-10753-1] c 08 N74-30421

Active nutation controller
[NASA-CASE-GSC-12273-1] c 35 N80-21719

Thrust augmented spin recovery device
[NASA-CASE-LAR-11970-2] c 08 N81-19130

Scanner --- photography from a spin stabilized synchronous satellite
[NASA-CASE-GSC-12032-2] c 43 N82-13465

SPINDLES

Variable contour securing system
[NASA-CASE-MSC-16270-1] c 37 N78-27423

SPINE

Spine immobilization apparatus
[NASA-CASE-ARC-11167-1] c 52 N81-25662

SPINNERS

Head for high speed spinner having a vacuum chuck --- holding silicon dioxide chips for etching
[NASA-CASE-NPO-15227-1] c 37 N81-33482

SPIRAL ANTENNAS

Spiral slotted phased antenna array
[NASA-CASE-MSC-18532-1] c 32 N82-27558

SPIRAL WRAPPING

Adjustable tension wire guide Patent
[NASA-CASE-XMS-02383] c 15 N71-15918

Continuous self-locking spiral wound seal --- for maintaining pressure between chambers in cryogenic wind tunnels
[NASA-CASE-LAR-12315-1] c 37 N82-24490

Modified spiral wound retaining ring
[NASA-CASE-LAR-12361-1] c 37 N83-19091

SPIRALS (CONCENTRATORS)

Spiral groove seal --- for hydraulic rotating shaft
[NASA-CASE-LEW-10326-3] c 37 N74-10474

SPIROMETERS

Balanced bellows spirometer
[NASA-CASE-XAR-01547] c 05 N69-21473

SPLINTS

Stretcher Patent
[NASA-CASE-XMF-06589] c 05 N71-23159

SPOILERS

Hydraulic actuator mechanism to control aircraft spoiler movements through dual input commands
[NASA-CASE-LAR-12412-1] c 08 N82-24205

SPORES

Lyophilized spore dispenser
[NASA-CASE-LAR-10544-1] c 37 N74-13178

SPOT WELDS

Electric arc welding Patent
[NASA-CASE-XMF-00392] c 15 N70-34814

Automatic closed circuit television arc guidance control Patent
[NASA-CASE-MFS-13046] c 07 N71-19433

SPRAY NOZZLES

Rocket injector head
[NASA-CASE-XMF-04592-1] c 20 N79-21125

Fire extinguishing apparatus having a slidable mass for a penetrator nozzle --- for penetrating aircraft and shuttle orbiter skin
[NASA-CASE-KSC-11064-1] c 31 N81-14137

Controlled overspray spray nozzle
[NASA-CASE-MFS-25139-1] c 34 N82-13376

SPRAYED COATINGS

Method of making a diffusion bonded refractory coating Patent
[NASA-CASE-XLE-01604-2] c 15 N71-15610

Thermal protection ablation spray system Patent
[NASA-CASE-XLA-04251] c 18 N71-26100

Peen plating
[NASA-CASE-GSC-11163-1] c 15 N73-32360

Sprayable low density ablator and application process
[NASA-CASE-MFS-23506-1] c 24 N78-24290

Spray coating apparatus having a rotatable workpiece holder
[NASA-CASE-ARC-11110-1] c 37 N82-24492

High temperature emittance coatings and coating compositions --- repairing damaged space shuttle tiles in space
[NASA-CASE-MSC-18851-1] c 27 N82-26460

Spray applicator for spraying coatings and other fluids in space
[NASA-CASE-MSC-18852-1] c 37 N82-28640

Thermal barrier coating system having improved adhesion
[NASA-CASE-LEW-1335901] c 27 N83-31855

SPRAYERS

External liquid-spray cooling of turbine blades Patent
[NASA-CASE-XLE-00037] c 28 N70-33372

Method and apparatus for attaching physiological monitoring electrodes Patent
[NASA-CASE-XFR-07658-1] c 05 N71-26293

Liquid spray cooling method Patent
[NASA-CASE-XLE-00027] c 33 N71-29152

Closed loop spray cooling apparatus --- for particle accelerator targets
[NASA-CASE-LEW-11981-1] c 31 N78-17237

Spray coating apparatus having a rotatable workpiece holder
[NASA-CASE-ARC-11110-1] c 37 N82-24492

Spray applicator for spraying coatings and other fluids in space
[NASA-CASE-MSC-18852-1] c 37 N82-28640

SPRAYING

Aircraft wheel spray drag alleviator Patent
[NASA-CASE-XLA-01583] c 02 N70-36825

Closed loop spray cooling apparatus
[NASA-CASE-LEW-11981-2] c 34 N79-20336

Method and apparatus for suppressing ignition overpressure in solid rocket propulsion systems
[NASA-CASE-MFS-25843-1] c 20 N83-17588

SPREADING

Tool attachment for spreading loose elements away from work Patent
[NASA-CASE-XMF-02107] c 15 N71-10809

Tool for releasing optical elements
[NASA-CASE-GSC-12794-1] c 37 N83-12434

SPRINGS (ELASTIC)

Belleville spring assembly with elastic guides
[NASA-CASE-NPO-09452] c 15 N69-27504

Multiple Belleville spring assembly Patent
[NASA-CASE-XNP-00840] c 15 N70-38225

Switching mechanism with energy storage means Patent
[NASA-CASE-XGS-00473] c 03 N70-38713

Load cell protection device Patent
[NASA-CASE-XMS-06782] c 32 N71-15974

Vibration isolation system using compression springs
[NASA-CASE-NPO-11012] c 15 N72-11391

Spring operated accelerator and constant force spring mechanism therefor
[NASA-CASE-ARC-10898-1] c 35 N77-18417

Natural turbulence electrical power generator --- using wave action or random motion
[NASA-CASE-LAR-11551-1] c 44 N80-29834

Unidirectional flexural pivot
[NASA-CASE-GSC-12622-1] c 37 N81-22359

Unitary seal ring assembly --- cryogenic applications
[NASA-CASE-MFS-25678-1] c 37 N82-25517

Rotary stepping device with memory metal actuator
[NASA-CASE-NPO-15482-1] c 37 N83-36484

SPUTTERING

A method for the deposition of beta-silicon carbide by isoeptaxy
[NASA-CASE-ERC-10120] c 26 N69-33482

Method of forming transparent films of ZnO
[NASA-CASE-FRC-10019] c 15 N73-12487

Method and apparatus for sputtering utilizing an apertured electrode and a pulsed substrate bias
[NASA-CASE-LEW-10920-1] c 17 N73-24569

Sputtering holes with ion beamlets
[NASA-CASE-LEW-11646-1] c 20 N74-31269

Multitarget sequential sputtering apparatus
[NASA-CASE-NPO-13345-1] c 37 N75-19684

Method of cold welding using ion beam technology
[NASA-CASE-LEW-12982-1] c 37 N81-19455

Ion beam textured graphite electrode plates --- high efficiency electron tube devices
[NASA-CASE-LEW-12919-2] c 24 N82-26386

Refractory coatings and method of producing the same
[NASA-CASE-LEW-13169-1] c 26 N82-29415

Ion sputter textured graphite --- anode collector plates in electron tube devices
[NASA-CASE-LEW-12919-1] c 24 N83-10117

Mechanical bonding of metal method
[NASA-CASE-LEW-12941-1] c 26 N83-10170

SQUARE WAVES

High speed phase detector Patent
[NASA-CASE-XNP-01306-2] c 09 N71-24596

SQUARES (MATHEMATICS)

Apparatus for computing square roots Patent
[NASA-CASE-XGS-04768] c 08 N71-19437

SQUIBS

Separation nut Patent
[NASA-CASE-XGS-01971] c 15 N71-15922

STABILITY AUGMENTATION

Velocity vector control system augmented with direct lift control
[NASA-CASE-LAR-12268-1] c 08 N81-24106

STABILITY TESTS

Method and apparatus for checking the stability of a setup for making reflection type holograms
[NASA-CASE-MFS-21455-1] c 35 N74-15146

STABILIZATION

Ultrastable calibrated light source
[NASA-CASE-MSC-12293-1] c 14 N72-27411

- System for stabilizing torque between a balloon and gondola
[NASA-CASE-GSC-11077-1] c 02 N73-13008
- Suppression of flutter
[NASA-CASE-LAR-10682-1] c 02 N73-26004
- Radiation hardening of MOS devices by boron — for stabilizing gate threshold potential
[NASA-CASE-GSC-11425-2] c 76 N75-25730
- Arc control in compact arc lamps
[NASA-CASE-NPO-10870-1] c 33 N77-22386
- Self-stabilizing radial face seal
[NASA-CASE-LEW-12991-1] c 37 N81-24442
- STABILIZED PLATFORMS**
- Hydraulic drive mechanism Patent
[NASA-CASE-XMS-03252] c 15 N71-10658
- Failure detection and control means for improved drift performance of a gimballed platform system
[NASA-CASE-MFS-23551-1] c 04 N76-26175
- Rotary leveling base platform
[NASA-CASE-ARC-10981-1] c 37 N78-27425
- Magnetic bearing and motor
[NASA-CASE-GSC-12726-1] c 37 N83-34323
- STABILIZERS**
- Satellite despin device Patent
[NASA-CASE-XMF-08523] c 31 N71-20396
- STABILIZERS (AGENTS)**
- Hydrazinium nitroformate propellant stabilized with nitroguanidine
[NASA-CASE-NPO-12000] c 27 N72-25699
- STABILIZERS (FLUID DYNAMICS)**
- Assembly for recovering a capsule Patent
[NASA-CASE-XMF-00641] c 31 N70-36410
- Mechanical stability augmentation system Patent
[NASA-CASE-XLA-06339] c 02 N71-13422
- Apparatus for automatically stabilizing the attitude of a nonguided vehicle
[NASA-CASE-ARC-10134] c 30 N72-17873
- Life raft stabilizer
[NASA-CASE-MSC-12383-1] c 02 N73-26006
- Externally supported internally stabilized flexible duct joint
[NASA-CASE-MFS-19194-1] c 37 N76-14460
- STABLE OSCILLATIONS**
- Amplifier drift tester
[NASA-CASE-XMS-05562-1] c 09 N69-39986
- STACKS**
- Remote fire stack igniter — with solenoid-controlled valve
[NASA-CASE-MFS-21675-1] c 25 N74-33378
- STAGE SEPARATION**
- Tubular coupling having frangible connecting means
[NASA-CASE-XLA-02854] c 15 N69-27490
- Missile stage separation indicator and stage initiator Patent
[NASA-CASE-XLA-00791] c 03 N70-39930
- Quick release separation mechanism Patent
[NASA-CASE-XLA-01441] c 15 N70-41879
- Spacecraft separation system for spinning vehicles and/or payloads Patent
[NASA-CASE-XLA-02132] c 31 N71-10582
- Payload/burned-out motor case separation system Patent
[NASA-CASE-XLA-05369] c 31 N71-15687
- Single action separation mechanism Patent
[NASA-CASE-XLA-00188] c 15 N71-22874
- Lateral displacement system for separated rocket stages Patent
[NASA-CASE-XLA-04804] c 31 N71-23008
- Separation simulator Patent
[NASA-CASE-XKS-04631] c 10 N71-23663
- Frangible link
[NASA-CASE-MSC-11849-1] c 15 N72-22488
- STAGNATION PRESSURE**
- Traversing probe Patent
[NASA-CASE-XFR-02007] c 12 N71-24692
- Stagnation pressure probe — for measuring pressure of supersonic gas streams
[NASA-CASE-LAR-11139-1] c 35 N74-32878
- STAGNATION TEMPERATURE**
- Enthalpy and stagnation temperature determination of a high temperature laminar flow gas stream Patent
[NASA-CASE-XLE-00266] c 14 N70-34156
- STAINING**
- Automated single-slide staining device
[NASA-CASE-LAR-11649-1] c 51 N77-27677
- STAINLESS STEELS**
- Method of joining aluminum to stainless steel Patent
[NASA-CASE-MFS-07369] c 15 N71-20443
- Ultrasonic scanning system for in-place inspection of brazed tube joints
[NASA-CASE-MFS-20767-1] c 38 N74-15130
- Method of forming a wick for a heat pipe
[NASA-CASE-NPO-13391-1] c 34 N76-27515
- Method of making reinforced composite structure
[NASA-CASE-LEW-12619-1] c 24 N77-19171
- Method of forming dynamic membrane on stainless steel support
[NASA-CASE-MSC-18172-1] c 26 N80-18237
- Moving body velocity arresting line — stainless steel cables with energy absorbing sleeves
[NASA-CASE-LAR-12372-1] c 37 N82-18601
- STAMPING**
- Holding fixture for a hot stamping press
[NASA-CASE-GSC-12619-1] c 37 N81-16470
- STANDARDS**
- Microwave integrated circuit for Josephson voltage standards
[NASA-CASE-MFS-23845-1] c 33 N81-17348
- STANDING WAVES**
- Method and apparatus for shaping and enhancing acoustical levitation forces
[NASA-CASE-MFS-25050-1] c 71 N81-15767
- Image readout device with electronically variable spatial resolution
[NASA-CASE-LAR-12633-1] c 33 N82-24416
- Acoustic rotation control
[NASA-CASE-NPO-15689-1] c 35 N82-24475
- Acoustic levitation methods and apparatus
[NASA-CASE-NPO-15562-1] c 71 N82-27086
- Acoustic particle separation
[NASA-CASE-NPO-15559-1] c 71 N82-29112
- System for controlled acoustic rotation of objects
[NASA-CASE-NPO-15522-1] c 71 N83-32516
- STAR TRACKERS**
- Roll attitude star sensor system Patent
[NASA-CASE-XNP-01307] c 21 N70-41856
- Sun tracker with rotatable plane-parallel plate and two photocells Patent
[NASA-CASE-XGS-01159] c 21 N71-10678
- Canopus detector including automotive gain control of photomultiplier tube Patent
[NASA-CASE-XNP-03914] c 21 N71-10771
- Spacecraft attitude detection system by stellar reference Patent
[NASA-CASE-XGS-03431] c 21 N71-15642
- Reference voltage switching unit
[NASA-CASE-NPO-11253] c 09 N72-17157
- Star tracking reticles and process for the production thereof
[NASA-CASE-GSC-11188-2] c 21 N73-19630
- Star tracking reticles
[NASA-CASE-GSC-11188-1] c 14 N73-32320
- Formation of star tracking reticles
[NASA-CASE-GSC-11188-3] c 74 N74-20008
- Star scanner — with a reticle with a pair of slits having differing separation
[NASA-CASE-GSC-11569-1] c 89 N74-30886
- Programmable scan/read circuitry for charge coupled device imaging detectors — for a startracker
[NASA-CASE-NPO-15345-1] c 33 N81-27403
- STARK EFFECT**
- Resonant waveguide stark cell — using microwave spectrometers
[NASA-CASE-LAR-11352-1] c 33 N75-26245
- Stark-effect modulation of CO₂ laser with NH₂D
[NASA-CASE-NPO-11945-1] c 36 N76-18427
- Stark cell optoacoustic detection of constituent gases in sample
[NASA-CASE-NPO-14143-1] c 25 N81-14015
- Stark effect spectrophone for continuous absorption spectra monitoring — a technique for gas analysis
[NASA-CASE-NPO-15102-1] c 25 N81-25159
- STARTERS**
- Starting circuit for vapor lamps and the like Patent
[NASA-CASE-XNP-01058] c 09 N71-12540
- Motor run-up system — power lines
[NASA-CASE-NPO-13374-1] c 33 N75-19524
- Motor power factor controller with a reduced voltage starter
[NASA-CASE-MFS-25586-1] c 33 N82-11360
- STARTING**
- Portable device for use in starting air-start-units for aircraft and having cable lead testing capability
[NASA-CASE-FRC-10113-1] c 33 N80-26599
- STATIC DISCHARGES**
- Use of glow discharge in fluidized beds
[NASA-CASE-ARC-11245-1] c 28 N82-18401
- STATIC FRICTION**
- Friction measuring apparatus Patent
[NASA-CASE-XNP-08680] c 14 N71-22995
- Static coefficient test method and apparatus
[NASA-CASE-GSC-11893-1] c 35 N76-31489
- STATIC INVERTERS**
- Static inverters which sum a plurality of waves Patent
[NASA-CASE-XMF-00663] c 08 N71-18752
- Static inverter Patent
[NASA-CASE-XGS-05289] c 09 N71-19470
- STATIC LOADS**
- Instrument for measuring torsional creep and recovery Patent
[NASA-CASE-XLE-01481] c 14 N71-10781
- Tension measurement device Patent
[NASA-CASE-XMS-04545] c 15 N71-22878
- STATIC PRESSURE**
- Aerodynamic measuring device Patent
[NASA-CASE-XLA-00481] c 14 N70-36824
- Check valve assembly for a probe Patent
[NASA-CASE-XLA-00128] c 15 N70-37925
- Static pressure probe
[NASA-CASE-LAR-11552-1] c 35 N76-14429
- Static pressure onifice system testing method and apparatus
[NASA-CASE-LAR-12269-1] c 35 N80-18358
- STATIONKEEPING**
- Station keeping of a gravity gradient stabilized satellite Patent
[NASA-CASE-XLA-03132] c 31 N71-22969
- STATISTICAL CORRELATION**
- Optical probing of supersonic flows with statistical correlation
[NASA-CASE-MFS-20642] c 14 N72-21407
- STATOR BLADES**
- Stator rotor tools
[NASA-CASE-MSC-16000-1] c 37 N78-24544
- STATORS**
- Nickel base alloy — for gas turbine engine stator vanes
[NASA-CASE-LEW-12270-1] c 26 N77-32280
- Natural turbulence electrical power generator — using wave action or random motion
[NASA-CASE-LAR-11551-1] c 44 N80-29834
- Damping seal for turbomachinery
[NASA-CASE-MFS-25842-1] c 37 N83-26080
- STEADY STATE**
- Steady state thermal radiometers
[NASA-CASE-MFS-21108-1] c 34 N74-27861
- Trace water sensor
[NASA-CASE-NPO-15722-1] c 35 N83-20084
- STEAM**
- Steam cooled rich-burn combustor liner
[NASA-CASE-LEW-13609-1] c 25 N83-17628
- STEAM TURBINES**
- Boiler for generating high quality vapor Patent
[NASA-CASE-XLE-00785] c 33 N71-16104
- STEELS**
- Potassium silicate zinc coatings
[NASA-CASE-GSC-10361-1] c 18 N72-23581
- STEERABLE ANTENNAS**
- Array phasing device Patent
[NASA-CASE-ERC-10046] c 10 N71-18722
- Satellite communication system Patent
[NASA-CASE-XNP-02389] c 07 N71-28900
- Amplitude steered array
[NASA-CASE-GSC-11446-1] c 33 N74-20860
- Phased array antenna control
[NASA-CASE-MSC-14939-1] c 32 N79-11264
- STEERING**
- Steerable solid propellant rocket motor Patent
[NASA-CASE-XNP-00234] c 28 N70-38645
- STELLAR LUMINOSITY**
- Radiant energy intensity measurement system Patent
[NASA-CASE-NPO-06510] c 14 N71-23797
- STELLAR SPECTRA**
- Radiant energy intensity measurement system Patent
[NASA-CASE-NPO-06510] c 14 N71-23797
- STENCIL PROCESSES**
- Method of tracing contour patterns for use in making gradual contour resin matrix composites
[NASA-CASE-ARC-11246-1] c 31 N83-34073
- STEPPING MOTORS**
- Scanner — photography from a spin stabilized synchronous satellite
[NASA-CASE-GSC-12032-2] c 43 N82-13465
- STEREOPHOTOGRAPHY**
- Stereo photomicrography system
[NASA-CASE-LAR-10176-1] c 14 N72-20380
- Optical stereo video signal processor — line of sight tracking
[NASA-CASE-MFS-25752-1] c 74 N83-21950
- STEREOSCOPIC VISION**
- Stereoscopic television system and apparatus
[NASA-CASE-ARC-10160-1] c 23 N72-27728
- STERILIZATION**
- Process for preparing sterile solid propellants Patent
[NASA-CASE-XNP-01749] c 27 N70-41897
- Processing for producing a sterilized instrument Patent
[NASA-CASE-XNP-09763] c 14 N71-20461
- Air conditioned suit
[NASA-CASE-LAR-10076-1] c 05 N73-20137
- Protein sterilization method of firefly luciferase using reduced pressure and molecular sieves
[NASA-CASE-GSC-10225-1] c 06 N73-27086
- Heat sterilizable patient ventilator
[NASA-CASE-NPO-13313-1] c 54 N75-27761
- Portable heatable container
[NASA-CASE-NPO-14237-1] c 44 N80-20808

System for sterilizing objects --- cleaning space vehicle systems
[NASA-CASE-KSC-11085-1] c 54 N81-24724

STERILIZATION EFFECTS
Electrical connector
[NASA-CASE-NPO-10694] c 09 N72-20200

STIFFNESS
Modified face seal for positive film stiffness
[NASA-CASE-LEW-12989-1] c 37 N82-12442

STIMULATED EMISSION
Repetitively pulsed, wavelength selective laser Patent
[NASA-CASE-ERC-10178] c 16 N71-24832

STIRLING CYCLE
Stirling cycle engine and refrigeration systems
[NASA-CASE-NPO-13613-1] c 37 N76-29590
Power control for hot gas engines
[NASA-CASE-NPO-14220-1] c 37 N81-14318
Phase-angle control for Stirling engines
[NASA-CASE-NPO-14388-1] c 37 N81-17432
Solar energy receiver for a Stirling engine
[NASA-CASE-NPO-14619-1] c 44 N81-17518
Hot gas engine with dual crankshafts
[NASA-CASE-NPO-14221-1] c 37 N81-25370
Stirling cycle cryogenic cooler --- magnetically suspended pistons
[NASA-CASE-GSC-12697-1] c 31 N82-11312
Reciprocating linear motor
[NASA-CASE-GSC-12773-1] c 33 N83-12332
Magnetically actuated compressor
[NASA-CASE-GSC-12799-1] c 37 N83-20153
Stirling cycle cryogenic cooler
[NASA-CASE-LAR-12697-1] c 44 N83-28574

STIRRING
Stirring apparatus for plural test tubes Patent
[NASA-CASE-XAC-06956] c 15 N71-21177

STORAGE
Fluid sample collector Patent
[NASA-CASE-XMS-06767-1] c 14 N71-20435
Sodium storage and injection system
[NASA-CASE-NPO-14384-1] c 37 N80-10494

STORAGE BATTERIES
Bonded elastomeric seal for electrochemical cells Patent
[NASA-CASE-XGS-02631] c 03 N71-23006
Automatic battery charger Patent
[NASA-CASE-XNP-04758] c 03 N71-24605
Electric battery and method for operating same Patent
[NASA-CASE-XGS-01674] c 03 N71-29129
Electric storage battery
[NASA-CASE-NPO-11021] c 03 N72-20032
Hydrogen-bromine secondary battery
[NASA-CASE-NPO-13237-1] c 44 N76-18641
Rechargeable battery which combats shape change of the zinc anode
[NASA-CASE-HQN-10862-1] c 44 N76-29699
Electrically rechargeable REDOX flow cell
[NASA-CASE-LEW-12220-1] c 44 N77-14581
Formulated plastic separators for soluble electrode cells --- rubber-ion transport membranes
[NASA-CASE-LEW-12358-1] c 44 N79-17313
Toroidal cell and battery --- storage battery for high amp-hour load applications
[NASA-CASE-LEW-12918-1] c 44 N81-24521

STORAGE STABILITY
Thermally activated foaming compositions Patent
[NASA-CASE-LAR-10373-1] c 18 N71-26155
Gas diffusion liquid storage bag and method of use for storing blood
[NASA-CASE-NPO-13930-1] c 52 N79-14749
Method for retarding dye fading during archival storage of developed color photographic film --- inert atmosphere
[NASA-CASE-MFS-23250-1] c 35 N82-11432

STORAGE TANKS
Expulsion bladder-equipped storage tank structure Patent
[NASA-CASE-XNP-00612] c 11 N70-38182
Method for leakage testing of tanks Patent
[NASA-CASE-XMF-02392] c 32 N71-24285
Zero gravity shadow shield aligner
[NASA-CASE-KSC-10622-1] c 31 N72-21893
Cryogenic container compound suspension strap
[NASA-CASE-ARC-11157-1] c 37 N80-18393

STOWAGE (ONBOARD EQUIPMENT)
Hemispherical latching apparatus for payload retention
[NASA-CASE-MFS-25837] c 16 N82-31398

STRAIN GAGE ACCELEROMETERS
Accelerometer with FM output Patent
[NASA-CASE-XLA-00492] c 14 N70-34799
Angular accelerometer Patent
[NASA-CASE-XMS-05936] c 14 N70-41682

STRAIN GAGE BALANCES
Self-balancing strain gage transducer Patent
[NASA-CASE-MFS-12827] c 14 N71-17656

STRAIN GAGES
Semiconductor p-n junction stress and strain sensor
[NASA-CASE-XLA-04980] c 09 N69-27422
Wire grid forming apparatus Patent
[NASA-CASE-XLE-00023] c 15 N70-33330
Force measuring instrument Patent
[NASA-CASE-XMF-00456] c 14 N70-34705
Strain gage Patent Application
[NASA-CASE-FRC-10053] c 14 N70-35587
Difference circuit Patent
[NASA-CASE-XNP-08274] c 10 N71-13537
Strain sensor for high temperatures Patent
[NASA-CASE-XNP-09205] c 14 N71-17657
Extensometer Patent
[NASA-CASE-XMF-04680] c 15 N71-19489
Strain gauge measuring techniques Patent
[NASA-CASE-XGS-04478] c 14 N71-24233
Method of temperature compensating semiconductor strain gages Patent
[NASA-CASE-XLA-04555-1] c 14 N71-25892
Pulsed excitation voltage circuit for transducers
[NASA-CASE-FRC-10036] c 09 N72-22200
Method of making semiconductor p-n junction stress and strain sensor
[NASA-CASE-XLA-04980-2] c 14 N72-28438
Device for monitoring a change in mass in varying gravimetric environments
[NASA-CASE-MFS-21556-1] c 35 N74-26945
Strain gauge ambiguity sensor for segmented mirror active optical system
[NASA-CASE-MFS-20506-1] c 35 N75-12273
Subminiature insertable force transducer --- including a strain gage to measure forces in muscles
[NASA-CASE-NPO-13423-1] c 33 N75-31329
Self-supporting strain transducer
[NASA-CASE-LAR-11263-1] c 35 N75-33369
Strain gage mounting assembly
[NASA-CASE-NPO-13170-1] c 35 N76-14430
High temperature strain gage calibration fixture
[NASA-CASE-LAR-11500-1] c 35 N76-24523
Miniature biaxial strain transducer
[NASA-CASE-LAR-11648-1] c 35 N77-14407
CW ultrasonic bolt tensioning monitor
[NASA-CASE-LAR-12016-1] c 39 N78-15512
Attaching of strain gages to substrates
[NASA-CASE-FRC-10093-1] c 35 N80-20560
Photomechanical transducer
[NASA-CASE-NPO-14363-1] c 39 N81-25400
Inflatable device for installing strain gage bridges
[NASA-CASE-FRC-11068-1] c 35 N82-24473
Thin film strain transducer --- for strain monitoring of high altitude balloons
[NASA-CASE-WLP-10055-1] c 35 N82-26632
Strain gage calibration
[NASA-CASE-LAR-12743-1] c 35 N82-32661
Procedure for internally mounting strain gauges
[NASA-CASE-GSC-12824-1] c 35 N82-13424
Pulsed phase locked loop strain monitor --- voltage controlled oscillators
[NASA-CASE-LAR-12772-1] c 33 N83-16626
Securable bearing stress-strain indicator --- for monitoring torque on bolts incorporated in pressure vessels
[NASA-CASE-LAR-12774-1] c 35 N83-29654

STRAIN RATE
Light intensity strain analysis
[NASA-CASE-LAR-10765-1] c 32 N73-20740
Strain gage calibration
[NASA-CASE-LAR-12743-1] c 35 N82-32661

STRAPDOWN INERTIAL GUIDANCE
All sky pointing attitude control system
[NASA-CASE-ARC-10716-1] c 35 N77-20399

STRAPS
Meter for use in detecting tension in straps having predetermined elastic characteristics
[NASA-CASE-MFS-22189-1] c 35 N75-19615
Cryogenic container compound suspension strap
[NASA-CASE-ARC-11157-1] c 37 N80-18393

STRATIFICATION
A stable density-stratification solar pond
[NASA-CASE-NPO-15419-1] c 44 N81-27599

STRATIGRAPHY
System for plotting subsoil structure and method therefor
[NASA-CASE-NPO-14191-1] c 31 N80-32584

STREAMS
Apparatus for measuring a sorbate dispersed in a fluid stream
[NASA-CASE-ARC-10896-1] c 35 N78-19465

STRESS ANALYSIS
Method and apparatus for measuring the damping characteristics of a structure
[NASA-CASE-ARC-10154-1] c 14 N72-22440
Light intensity strain analysis
[NASA-CASE-LAR-10765-1] c 32 N73-20740

High temperature strain gage calibration fixture
[NASA-CASE-LAR-11500-1] c 35 N76-24523

STRESS CONCENTRATION
Self-supporting strain transducer
[NASA-CASE-LAR-11263-1] c 35 N75-33369

STRESS CORROSION
Method of inhibiting stress corrosion cracks in titanium alloys Patent
[NASA-CASE-NPO-10271] c 17 N71-16393
Controlled glass bead peening Patent
[NASA-CASE-XLA-07390] c 15 N71-18616

STRESS MEASUREMENT
Semiconductor p-n junction stress and strain sensor
[NASA-CASE-XLA-04980] c 09 N69-27422
Force measuring instrument Patent
[NASA-CASE-XMF-00456] c 14 N70-34705
Self-balancing strain gage transducer Patent
[NASA-CASE-MFS-12827] c 14 N71-17656
Strain coupled servo control system Patent
[NASA-CASE-XLA-08530] c 32 N71-25360
Amplifying ribbon extensometer
[NASA-CASE-LAR-11825-1] c 35 N77-22449
CW ultrasonic bolt tensioning monitor
[NASA-CASE-LAR-12016-1] c 39 N78-15512

STRESS RELAXATION
Method for alleviating thermal stress damage in laminates --- metal matrix composites
[NASA-CASE-LEW-12493-1] c 24 N81-17170

STRESS RELIEVING
All-directional fastener Patent
[NASA-CASE-XLA-01807] c 15 N71-10799
Steam cooled nch-burn combustor liner
[NASA-CASE-LEW-13609-1] c 25 N83-17628

STRESS-STRAIN RELATIONSHIPS
Securable bearing stress-strain indicator --- for monitoring torque on bolts incorporated in pressure vessels
[NASA-CASE-LAR-12774-1] c 35 N83-29654

STRESSES
Tape recorder Patent
[NASA-CASE-XGS-08259] c 14 N71-23698
Strain gauge measuring techniques Patent
[NASA-CASE-XGS-04478] c 14 N71-24233
Strain arrestor plate for fused silica tile --- bonding of thermal insulation to metallic plates or structural parts
[NASA-CASE-MSC-14182-1] c 27 N76-14264
Fixture for environmental exposure of structural materials under compression load
[NASA-CASE-LAR-12602-1] c 39 N83-32081

STRETCHERS
Rescue litter flotation assembly Patent
[NASA-CASE-XMS-04170] c 05 N71-22748
Stretcher Patent
[NASA-CASE-XMF-06589] c 05 N71-23159

STRETCHING
Fastener stretcher
[NASA-CASE-GSC-11149-1] c 15 N73-30457

STRINGERS
Universal connectors for joining stringers
[NASA-CASE-LAR-12744-1] c 37 N81-31551

STRINGS
Omnidirectional joint Patent
[NASA-CASE-XMS-09635] c 05 N71-24623

STRIP TRANSMISSION LINES
Microwave integrated circuit for Josephson voltage standards
[NASA-CASE-MFS-23845-1] c 33 N81-17348
Microwave switching power divider --- antenna feeds
[NASA-CASE-GSC-12420-1] c 33 N82-16340

STRUCTURAL ANALYSIS
Window defect planar mapping technique
[NASA-CASE-MSC-19442-1] c 74 N77-10899

STRUCTURAL DESIGN
Life raft Patent
[NASA-CASE-XMS-00863] c 05 N70-34857
High pressure regulator valve Patent
[NASA-CASE-XNP-00710] c 15 N71-10778
Lifting body Patent Application
[NASA-CASE-FRC-10063] c 01 N71-12217
Ring wing tension vehicle Patent
[NASA-CASE-XLA-04901] c 31 N71-24315
Opto-mechanical subsystem with temperature compensation through isothermal design
[NASA-CASE-GSC-12059-1] c 35 N77-27366
Lightweight reflector assembly
[NASA-CASE-NPO-13707-1] c 74 N77-28933
Horizontally mounted solar collector
[NASA-CASE-MFS-23349-1] c 44 N79-23481

STRUCTURAL ENGINEERING
Daze fasteners
[NASA-CASE-LAR-13009-1] c 37 N83-29706
Beam connector apparatus and assembly
[NASA-CASE-MFS-25134-1] c 31 N83-31895

STRUCTURAL FAILURE

Method and apparatus for nondestructive testing of pressure vessels
[NASA-CASE-NPO-12142-1] c 38 N76-28563

STRUCTURAL MEMBERS

Broadband choke for antenna structure
[NASA-CASE-XMS-05303] c 07 N69-27462
Optical alignment system Patent
[NASA-CASE-XNP-02029] c 14 N70-41955
All-directional fastener Patent
[NASA-CASE-XLA-01807] c 15 N71-10799
Frictionless universal joint Patent
[NASA-CASE-NPO-10646] c 15 N71-28467
Fastener stretcher
[NASA-CASE-GSC-11149-1] c 15 N73-30457
Method of laminating structural members
[NASA-CASE-XLA-11028-1] c 24 N74-27035
Folding structure fabricated of rigid panels
[NASA-CASE-XHQ-02146] c 18 N75-27040
Strain arrestor plate for fused silica tile — bonding of thermal insulation to metallic plates or structural parts
[NASA-CASE-MSC-14182-1] c 27 N76-14264
Universal connectors for joining stringers
[NASA-CASE-LAR-12744-1] c 37 N81-31551
Mechanical end joint system for structural column elements
[NASA-CASE-LAR-12482-1] c 37 N82-32732
Procedure for internally mounting strain gauges
[NASA-CASE-GSC-12824-1] c 35 N83-13424

STRUCTURAL STABILITY

Latching device
[NASA-CASE-MFS-21606-1] c 37 N75-19685
Flanged major modular assembly jig
[NASA-CASE-MSC-19372-1] c 39 N76-31562

STRUCTURAL VIBRATION

Electrical connector Patent Application
[NASA-CASE-MFS-14741] c 09 N70-20737
Seismic displacement transducer Patent
[NASA-CASE-XMF-00479] c 14 N70-34794
Vibrating structure displacement measuring instrument Patent
[NASA-CASE-XLA-03135] c 32 N71-16428
Active notch filter network with variable notch depth, width and frequency
[NASA-CASE-FRC-11055-1] c 33 N80-29583

STRUCTURAL WEIGHT

System for indicating fuel-efficient aircraft altitude
[NASA-CASE-NPO-15351-2] c 06 N83-17536

STRUCTURES

Arbitrarily shaped model survey system Patent
[NASA-CASE-LAR-10098] c 32 N71-26681

STRUTS

Energy absorbing structure Patent Application
[NASA-CASE-MSC-12279-1] c 15 N70-35679
Collapsible structure for an antenna reflector
[NASA-CASE-NPO-11751] c 07 N73-24176
Locking redundant link
[NASA-CASE-LAR-11900-1] c 37 N79-14382
Multiple pure tone elimination strut assembly — air breathing engines
[NASA-CASE-FRC-11062-1] c 71 N82-16800
Variable length strut with longitudinal compliance and locking capability — constructing truss and beam structures in space and interconnecting an orbit transfer vehicle and a payload
[NASA-CASE-MFS-25907-1] c 37 N83-31019

STUDS (STRUCTURAL MEMBERS)

Safety-type locking pin
[NASA-CASE-MFS-18495] c 15 N72-11385
Stud-bonding gun
[NASA-CASE-MFS-20299] c 15 N72-11392
Insert facing tool — manually operated cutting tool for forming studs in honeycomb material
[NASA-CASE-MFS-21485-1] c 37 N74-25968

STYRENES

Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MSC-14903-1] c 27 N78-32256
Compound oxidized styrylphosphine — flame resistant vinyl polymers
[NASA-CASE-MSC-14903-2] c 27 N80-10358
Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MSC-14903-3] c 27 N80-24438

SUBLIMATION

Tubular sublimatory evaporator heat sink
[NASA-CASE-ARC-10912-1] c 34 N77-19353
Polymeric compositions and their method of manufacture — forming filled polymer systems using cryogenics
[NASA-CASE-NPO-10424-1] c 27 N81-24258

SUBMARINES

Low density bismaleimide-carbon microballoon composites — aircraft and submarine compartment safety
[NASA-CASE-ARC-11040-2] c 24 N78-27184

SUBMERGING

Liquid immersion apparatus for minute articles
[NASA-CASE-MFS-25363-1] c 37 N82-12441
Liquid-immersible electrostatic ultrasonic transducer
[NASA-CASE-LAR-12465-1] c 33 N82-26572
Total immersion crystal growth — using a melt covered with an encapsulating fluid
[NASA-CASE-NPO-15800-1] c 76 N83-15149

SUBMILLIMETER WAVES

Ladder supported ring bar circuit
[NASA-CASE-LEW-13570-1] c 33 N81-24348
Submillimeter wave Schottky barrier diode with low series resistance and low noise
[NASA-CASE-NPO-15935-1] c 33 N83-12334

SUBMINIATURIZATION

Micro current measuring device using plural logarithmic response heated filamentary type diodes Patent
[NASA-CASE-XNP-00384] c 09 N71-13530

SUBREFLECTORS

Dish antenna having switchable beamwidth — with truncated concave ellipsoid subreflector
[NASA-CASE-GSC-11760-1] c 33 N75-19516

SUBROUTINES

Automatic multi-banking of memory for microprocessors
[NASA-CASE-NPO-15295-1] c 60 N82-11785

SUBSONIC FLOW

Leading edge vortex flaps for drag reduction — during subsonic flight
[NASA-CASE-LAR-12750-1] c 02 N81-19016

SUBSONIC SPEED

Landing arrangement for aerospace vehicle Patent
[NASA-CASE-XLA-00805] c 31 N70-38010
Leading edge curvature based on convective heating Patent
[NASA-CASE-XLA-01486] c 01 N71-23497
Airfoil shape for flight at subsonic speeds — design analysis and aerodynamic characteristics of the GAW-1 airfoil
[NASA-CASE-LAR-10585-1] c 02 N76-22154
Self stabilizing sonic inlet
[NASA-CASE-LEW-11890-1] c 05 N79-24976

SUBSONIC WIND TUNNELS

Variable geometry wind tunnels
[NASA-CASE-XLA-07430] c 11 N72-22246

SUBSTRATES

Means and methods of depositing thin films on substrates Patent
[NASA-CASE-XNP-00595] c 15 N70-34967
Solar cell mounting Patent
[NASA-CASE-XNP-00826] c 03 N71-20895
Solar panel fabrication Patent
[NASA-CASE-XNP-03413] c 03 N71-26726
Fabrication of polycrystalline solar cells on low-cost substrates
[NASA-CASE-GSC-12022-1] c 44 N76-28635
Process for producing a well-adhered durable optical coating on an optical plastic substrate — abrasion resistant polymethyl methacrylate lenses
[NASA-CASE-ARC-11039-1] c 74 N78-32854
Attaching of strain gages to substrates
[NASA-CASE-FRC-10093-1] c 35 N80-20560
Method for applying photographic resists to otherwise incompatible substrates
[NASA-CASE-MSC-18107-1] c 27 N81-25209
Refractory coatings
[NASA-CASE-LEW-13169-2] c 26 N82-30371
Pyroelectric detector arrays
[NASA-CASE-LAR-12363-1] c 35 N82-31659
Method for depositing an oxide coating
[NASA-CASE-LEW-13131-1] c 44 N83-10494
Densification of porous refractory substrates — space shuttle orbiter tiles
[NASA-CASE-MSC-18737-1] c 24 N83-13171
Coating with overlay metallic-cermet alloy systems
[NASA-CASE-LEW-13639-2] c 26 N83-17683
Screen printed interdigitated back contact solar cell
[NASA-CASE-LEW-13414-1] c 44 N83-20374
Method of forming oxide coatings — for solar collector heating panels
[NASA-CASE-LEW-13132-1] c 27 N83-29388
Improved thermal barrier coating system
[NASA-CASE-LEW-13324-2] c 26 N83-34014

SUBSTRUCTURES

Support structure for irradiated elements Patent
[NASA-CASE-XNP-06031] c 15 N71-15606
Opto-mechanical subsystem with temperature compensation through isothermal design
[NASA-CASE-GSC-12059-1] c 35 N77-27366
System for detecting substructure microfractures and method therefore
[NASA-CASE-NPO-14192-1] c 39 N80-10507
Elevated waterproof access floor system and method of making the same
[NASA-CASE-ARC-11363-1] c 31 N83-28281

SUCTION

Pumped vortex
[NASA-CASE-LAR-12615-1] c 02 N83-19715

SUGARS

Production of butanol by fermentation in the presence of co-culture of clostridium
[NASA-CASE-NPO-16203-1] c 44 N83-29806

SULFATES

Intumescent paints Patent
[NASA-CASE-ARC-10099-1] c 18 N71-15469

SULFIDES

Stabilized lanthanum sulphur compounds — thermoelectric materials
[NASA-CASE-NPO-16135-1] c 25 N83-24572

SULFONES

Electrolytic cell structure
[NASA-CASE-LAR-11042-1] c 33 N75-27252
Ethynyl and substituted ethynyl-terminated polysulfones
[NASA-CASE-LAR-12931-1] c 23 N83-17590
Solvent resistant thermoplastic aromatic poly(imidesulfone) and process for preparing same
[NASA-CASE-LAR-12858-1] c 27 N83-34041

SULFONIC ACID

Intumescent coatings containing 4,4'-dinitrosulfanilide
[NASA-CASE-ARC-11042-1] c 24 N78-14096
The 1,1,1-triary-2,2,2-trifluoroethanes and process for their synthesis
[NASA-CASE-ARC-11097-1] c 25 N82-24312

SULFUR COMPOUNDS

Polymeric vehicles as carriers for sulfonic acid salt of nitrosubstituted aromatic amines
[NASA-CASE-ARC-10325] c 06 N72-25147

SULFUR DIOXIDES

Stack plume visualization system
[NASA-CASE-LAR-11675-1] c 45 N76-17656
Simultaneous treatment of SO₂ containing stack gases and waste water
[NASA-CASE-MSC-16258-1] c 45 N79-12584

SULFURIC ACID

An improved synthesis of 2,4,8,10-tetroxaspiro (5 5) undecane
[NASA-CASE-ARC-11243-2] c 23 N80-31472

SUM RULES

Computing apparatus Patent
[NASA-CASE-XGS-04765] c 08 N71-18693

SUMPS

Fluid driven sump pump
[NASA-CASE-ARC-11414-1] c 37 N83-20152

SUN

Sun tracking solar energy collector
[NASA-CASE-NPO-13921-1] c 44 N79-14526

SUNGLASSES

Soft frame adjustable eyeglasses Patent
[NASA-CASE-XMS-06064] c 05 N71-23096

SUNLIGHT

Illumination system including a virtual light source Patent
[NASA-CASE-HQN-10781] c 23 N71-30292
Illumination control apparatus for compensating solar light
[NASA-CASE-KSC-11010-1] c 74 N79-12890
Cloud cover sensor
[NASA-CASE-NPO-14936-1] c 47 N83-32232

SUPERCHARGERS

Supercharged topping rocket propellant feed system
[NASA-CASE-XLE-02062-1] c 20 N80-14188
Diesel engine catalytic combustor system — turbocharging
[NASA-CASE-LEW-12995-1] c 37 N80-26659

SUPERCONDUCTING MAGNETS

Cryogenic apparatus for measuring the intensity of magnetic fields
[NASA-CASE-XAC-02407] c 14 N69-27423
Superconducting alternator
[NASA-CASE-XLE-02824] c 03 N69-39890
Segmented superconducting magnet for a broadband traveling wave maser Patent
[NASA-CASE-XGS-10518] c 16 N71-28554
Superconducting magnet Patent
[NASA-CASE-XNP-06503] c 23 N71-29049
Magnetometer using superconducting rotating body
[NASA-CASE-NPO-13388-1] c 35 N76-16390
Stable superconducting magnet — high current levels below critical temperature
[NASA-CASE-XMF-05373-1] c 33 N79-21264

SUPERCONDUCTIVITY

Superconducting alternator Patent
[NASA-CASE-XLE-02823] c 09 N71-23443
System for improving signal-to-noise ratio of a communication signal
[NASA-CASE-MSC-12259-2] c 07 N72-33146
Superconductive magnetic-field-trapping device
[NASA-CASE-XNP-01185] c 26 N73-28710

Doped Josephson tunneling junction for use in a sensitive IR detector
[NASA-CASE-NPO-13348-1] c 33 N75-31332

SUPERCONDUCTORS

Superconductive accelerometer Patent
[NASA-CASE-XMF-01099] c 14 N71-15969
Twisted multifilament superconductor
[NASA-CASE-LEW-11726-1] c 26 N73-26752
Method of fabricating a twisted composite superconductor
[NASA-CASE-LEW-11015] c 26 N73-32571
Germanium coated microbridge and method
[NASA-CASE-MFS-23274-1] c 33 N78-13320

SUPERCOOLING

Method and apparatus for supercooling and solidifying substances
[NASA-CASE-MFS-25242-1] c 35 N83-29650

SUPERFLUIDITY

Helium refining by superfluidity Patent
[NASA-CASE-XNP-00733] c 06 N70-34946
Method and apparatus for generating coherent radiation in the ultra-violet region and above by use of distributed feedback
[NASA-CASE-NPO-13346-1] c 36 N76-29575

SUPERHEATING

Thermal energy storage system --- operating on superheating of liquids
[NASA-CASE-MFS-23167-1] c 44 N76-31667

SUPERHIGH FREQUENCIES

Dual band combiner for horn antenna
[NASA-CASE-NPO-14519-1] c 32 N80-23524

SUPERPLASTICITY

Superplastically formed diffusion bonded metallic structure
[NASA-CASE-FRC-11026-1] c 24 N82-24296

SUPERSATURATION

Method and apparatus for growth of crystals by pressure reduction of supercritical or subcritical solution
[NASA-CASE-NPO-15772-1] c 76 N82-23031

SUPERSONIC AIRCRAFT

Variable sweep wing configuration Patent
[NASA-CASE-XLA-00230] c 02 N70-33255
Variable sweep aircraft wing Patent
[NASA-CASE-XLA-00350] c 02 N70-38011
Variable sweep aircraft Patent
[NASA-CASE-XLA-03659] c 02 N71-11041
Translating horizontal tail Patent
[NASA-CASE-XLA-08801-1] c 02 N71-11043
Supersonic aircraft Patent
[NASA-CASE-XLA-04451] c 02 N71-12243
Absorptive splitter for closely spaced supersonic engine air inlets Patent
[NASA-CASE-XLA-02865] c 28 N71-15563
Oblique-wing supersonic aircraft
[NASA-CASE-ARC-10470-3] c 05 N76-29217

SUPERSONIC COMBUSTION

Supersonic-combustion rocket
[NASA-CASE-LEW-11058-1] c 20 N74-13502
Hypersonic airbreathing missile
[NASA-CASE-LAR-12264-1] c 15 N78-32168

SUPERSONIC DRAG

Annular supersonic decelerator or drogue Patent
[NASA-CASE-XLE-00222] c 02 N70-37939

SUPERSONIC FLIGHT

Variable sweep wing aircraft Patent
[NASA-CASE-XLA-00221] c 02 N70-33266
High speed flight vehicle control Patent
[NASA-CASE-XLA-08967] c 02 N71-27088

SUPERSONIC FLOW

Optical probing of supersonic flows with statistical correlation
[NASA-CASE-MFS-20642] c 14 N72-21407
Stagnation pressure probe --- for measuring pressure of supersonic gas streams
[NASA-CASE-LAR-11139-1] c 35 N74-32878

SUPERSONIC INLETS

Airflow control system for supersonic inlets
[NASA-CASE-LEW-11188-1] c 02 N74-20646
Shock position sensor for supersonic inlets --- measuring pressure in the throat of a supersonic inlet
[NASA-CASE-LEW-11915-1] c 35 N76-14431
Hypersonic airbreathing missile
[NASA-CASE-LAR-12264-1] c 15 N78-32168

SUPERSONIC NOZZLES

Penshape exhaust nozzle for supersonic engine Patent
[NASA-CASE-XLE-00057] c 28 N70-38711
Telescoping-spike supersonic inlet for aircraft engines Patent
[NASA-CASE-XLE-00005] c 28 N70-39899
Electric arc apparatus Patent
[NASA-CASE-XAC-01677] c 09 N71-20816
Aircraft engine nozzle
[NASA-CASE-ARC-10977-1] c 07 N80-32392

SUPERSONIC SPEEDS

Continuously operating induction plasma accelerator Patent
[NASA-CASE-XLA-01354] c 25 N70-36946

Static pressure probe
[NASA-CASE-LAR-11552-1] c 35 N76-14429

SUPERSONIC TRANSPORTS

Position location system and method Patent
[NASA-CASE-GSC-10087-2] c 21 N71-13958
Traffic control system and method Patent
[NASA-CASE-GSC-10087-1] c 02 N71-19287
Position location system and method
[NASA-CASE-GSC-10087-3] c 07 N72-12080
Doppler compensation by shifting transmitted object frequency within limits
[NASA-CASE-GSC-10087-4] c 07 N73-20174
Supersonic transport --- using canard surfaces
[NASA-CASE-LAR-11932-1] c 05 N78-32086

SUPERSONIC WIND TUNNELS

Wind tunnel
[NASA-CASE-LAR-10135-1] c 09 N79-21083
Sound shield
[NASA-CASE-LAR-12883-1] c 71 N83-17235

SUPPORT INTERFERENCE

Spherical bearing --- to reduce vibration effects
[NASA-CASE-MFS-23447-1] c 37 N79-11404

SUPPORT SYSTEMS

Hydraulic support for dynamic testing Patent
[NASA-CASE-XMF-03248] c 11 N71-10604
Support structure for irradiated elements Patent
[NASA-CASE-XNP-06031] c 15 N71-15606
Multilegged support system Patent
[NASA-CASE-XLA-01326] c 11 N71-21481
Adjustable support
[NASA-CASE-NPO-10721] c 15 N72-27484
Hydrostatic bearing support
[NASA-CASE-LEW-11158-1] c 37 N77-28486
Metric half-span model support system
[NASA-CASE-LAR-12441-1] c 09 N82-23254

SUPPORTS

A support technique for vertically oriented launch vehicles
[NASA-CASE-XLA-02704] c 11 N69-21540
Pneumatic mirror support system
[NASA-CASE-XLA-03271] c 11 N69-24321
Optical spin compensator
[NASA-CASE-XGS-02401] c 14 N69-27485
Extensible cable support Patent
[NASA-CASE-XMF-07587] c 15 N71-18701
Swivel support for gas bearings Patent
[NASA-CASE-XMF-07808] c 15 N71-23812
Optical tracking mount Patent
[NASA-CASE-MFS-14017] c 14 N71-26627
Angular displacement indicating gas bearing support system Patent
[NASA-CASE-XLA-09346] c 15 N71-28740
Adjustable mount for a trihedral mirror Patent
[NASA-CASE-XNP-08907] c 23 N71-29123
Fine adjustment mount
[NASA-CASE-MFS-20249] c 15 N72-11386
Expandable support means
[NASA-CASE-NPO-11059] c 15 N72-17454
Optical system support apparatus
[NASA-CASE-XER-07896-2] c 23 N72-22673
Fixture for supporting articles during vibration tests
[NASA-CASE-MFS-20523] c 14 N72-27412
Test stand system for vacuum chambers
[NASA-CASE-MFS-21382] c 11 N73-20267
Collapsible structure for an antenna reflector
[NASA-CASE-NPO-11751] c 07 N73-24176
Method of making porous conductive supports for electrodes --- by electroforming and stacking nickel foils
[NASA-CASE-GSC-11367-1] c 44 N74-19692
Thrust-isolating mounting --- characteristics of support for loads mounted in spacecraft
[NASA-CASE-MFS-21680-1] c 18 N74-27397
Variable contour securing system
[NASA-CASE-MSC-16270-1] c 37 N78-27423
Heat treat fixture and method of heat treating
[NASA-CASE-LAR-11821-1] c 26 N80-28492
Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-2] c 52 N81-25661
Model mount system for testing flutter
[NASA-CASE-LAR-12950-1] c 09 N83-25727

SUPPRESSORS

Electronic background suppression method and apparatus for a field scanning sensor
[NASA-CASE-XGS-05211] c 07 N69-39980

SURFACE ACOUSTIC WAVE DEVICES

Distributed feedback acoustic surface wave oscillator
[NASA-CASE-NPO-13673-1] c 71 N77-26919
A dual differential interferometer
[NASA-CASE-LAR-12966-1] c 71 N83-12969

SURFACE CRACKS

Elastomer coated filler and composites thereof comprising at least 60% by weight of a hydrated filler and an elastomer containing an acid substituent
[NASA-CASE-NPO-14857-1] c 27 N83-19900

SURFACE DEFECTS

Microwave flaw detector Patent
[NASA-CASE-ARC-10009-1] c 15 N71-17822
Method and device for detection of surface discontinuities or defects
[NASA-CASE-MSC-14187-1] c 35 N74-32879

SURFACE DIFFUSION

Metallic film diffusion for boundary lubrication Patent
[NASA-CASE-XLE-01765] c 18 N71-10772
Double-beam optical method and apparatus for measuring thermal diffusivity and other molecular dynamic processes in utilizing the transient thermal lens effect
[NASA-CASE-NPO-14657-1] c 74 N81-17887

SURFACE FINISHING

Method of forming transparent films of ZnO
[NASA-CASE-FRC-10019] c 15 N73-12487
Device and method for determining X ray reflection efficiency of optical surfaces
[NASA-CASE-MFS-20243] c 23 N73-13662
Surface finishing --- for aircraft wings
[NASA-CASE-MSC-12631-1] c 24 N77-28225
Modification of the electrical and optical properties of polymers --- ion irradiation to create texture
[NASA-CASE-LEW-13027-1] c 27 N80-24437
Surface finishing
[NASA-CASE-MSC-12631-3] c 27 N81-14077
Method of cold welding using ion beam technology
[NASA-CASE-LEW-12982-1] c 37 N81-19455
Electrodes for solid state devices
[NASA-CASE-NPO-15161-1] c 33 N82-26575
Surface texturing of fluoropolymers
[NASA-CASE-LEW-13028-1] c 27 N82-33521
Laser surface fusion of plasma sprayed ceramic turbine seals
[NASA-CASE-LEW-13269-1] c 18 N83-20996

SURFACE IONIZATION

Field ionization electrodes Patent
[NASA-CASE-ERC-10013] c 09 N71-26678
Method and apparatus for detecting surface ions on silicon diodes and transistors
[NASA-CASE-ERC-10325] c 15 N72-25457

SURFACE LAYERS

Bismuth-lead coatings for gas bearings used in atmospheric environments and vacuum chambers Patent
[NASA-CASE-XGS-02011] c 15 N71-20739
Method and apparatus for stable silicon dioxide layers on silicon grown in silicon nitride ambient
[NASA-CASE-ERC-10073-1] c 24 N74-19769
Method of neutralizing the corrosive surface of amine-cured epoxy resins
[NASA-CASE-GSC-12686-1] c 27 N83-34039

SURFACE PROPERTIES

Pretreatment method for anti-wettable materials
[NASA-CASE-XMS-03537] c 15 N69-21471
Ablation article and method
[NASA-CASE-LAR-10439-1] c 33 N73-27796
Dual measurement ablation sensor
[NASA-CASE-LAR-10105-1] c 34 N74-15652
Apparatus for scanning the surface of a cylindrical body
[NASA-CASE-NPO-11861-1] c 36 N74-20009
Apparatus for microbiological sampling --- including automatic swabbing
[NASA-CASE-LAR-11069-1] c 35 N75-12272
Penetrometer --- for determining load bearing characteristics of inclined surfaces
[NASA-CASE-NPO-11103-1] c 35 N77-27367
Device for measuring the contour of a surface
[NASA-CASE-LAR-11869-1] c 74 N78-27904
Displacement probes with self-contained exciting medium
[NASA-CASE-LAR-11690-1] c 35 N80-14371
Apparatus for electrolytically tapered or contoured cavities
[NASA-CASE-XNP-08835-1] c 37 N80-14395
Mechanical bonding of metal method
[NASA-CASE-LEW-12941-1] c 26 N83-10170
Apparatus and method for inspecting a bearing ball --- eddy current inspection technique
[NASA-CASE-MFS-25833-1] c 35 N83-21316

SURFACE REACTIONS

Nondestructive spot test method for magnesium and magnesium alloys
[NASA-CASE-LAR-10953-1] c 17 N73-27446

SURFACE ROUGHNESS

Surface roughness detector Patent
[NASA-CASE-XLA-00203] c 14 N70-34161
Optical inspection apparatus Patent
[NASA-CASE-XMF-00462] c 14 N70-34298
Contour surveying system Patent
[NASA-CASE-XLA-08646] c 14 N71-17586

SURFACE ROUGHNESS EFFECTS

SUBJECT INDEX

Surface roughness measuring system --- synthetic aperture radar measurements of ocean wave height and terrain peaks
[NASA-CASE-NPO-13862-1] c 35 N79-10391

Ion beam textured graphite electrode plates --- high efficiency electron tube devices
[NASA-CASE-LEW-12919-2] c 24 N82-26386

Texturing polymer surfaces by transfer casting --- cardiovascular prosthesis
[NASA-CASE-LEW-13120-1] c 27 N82-28440

Ion sputter textured graphite --- anode collector plates in electron tube devices
[NASA-CASE-LEW-12919-1] c 24 N83-10117

Damping seal for turbomachinery
[NASA-CASE-MFS-25842-1] c 37 N83-26080

SURFACE ROUGHNESS EFFECTS
Meteorological balloon Patent
[NASA-CASE-XMF-04163] c 02 N71-23007

SURFACE TEMPERATURE
Curved film cooling admission tube
[NASA-CASE-LEW-13174-1] c 34 N83-27144

SURFACE VEHICLES
Optimal control system for an electric motor driven vehicle
[NASA-CASE-NPO-11210] c 11 N72-20244

Vehicle for use in planetary exploration
[NASA-CASE-NPO-11366] c 11 N73-26238

Short range laser obstacle detector --- for surface vehicles using laser diode array
[NASA-CASE-NPO-11856-1] c 36 N74-15145

Vehicle locating system utilizing AM broadcasting station carriers
[NASA-CASE-NPO-13217-1] c 32 N75-26194

Vehicular impact absorption system
[NASA-CASE-NPO-14014-1] c 37 N79-10420

Phase sensitive guidance sensor for wire-following vehicles
[NASA-CASE-NPO-15341-1] c 33 N82-12346

SURFACE WAVES
Antenna design for surface wave suppression Patent
[NASA-CASE-XLA-10772] c 07 N71-28980

SURFACES
Recoverable rocket vehicle Patent
[NASA-CASE-XMF-00389] c 31 N70-34176

Friction measuring apparatus Patent
[NASA-CASE-XNP-08680] c 14 N71-22995

Three-axis adjustable loading structure
[NASA-CASE-FRC-10051-1] c 35 N74-13129

Photoelectron spectrometer with means for stabilizing sample surface potential
[NASA-CASE-NPO-13772-1] c 35 N78-10429

SURFACTANTS
Surfactant-assisted liquefaction of particulate carbonaceous substances
[NASA-CASE-NPO-13904-1] c 25 N79-11152

SURGERY
Tissue macerating instrument
[NASA-CASE-LEW-12668-1] c 52 N78-14773

Intra-ocular pressure normalization technique and equipment
[NASA-CASE-LEW-12955-1] c 52 N80-14684

SURGES
Transient-compensated SCR inverter
[NASA-CASE-XLA-08507] c 09 N69-39984

Turn on transient limiter Patent
[NASA-CASE-GSC-10413] c 10 N71-26531

SURGICAL INSTRUMENTS
Ophthalmic method and apparatus
[NASA-CASE-LEW-11669-1] c 05 N73-27062

Ophthalmic liquefaction pump
[NASA-CASE-LEW-12051-1] c 52 N75-33640

SURVIVAL EQUIPMENT
Survival couch Patent
[NASA-CASE-XLA-00118] c 05 N70-33285

Life preserver Patent
[NASA-CASE-XMS-00864] c 05 N70-36493

Soft frame adjustable eyeglasses Patent
[NASA-CASE-XMS-06064] c 05 N71-23096

SUSPENDING (HANGING)
Parallel motion suspension device Patent
[NASA-CASE-XNP-01567] c 15 N70-41310

Reduced gravity simulator Patent
[NASA-CASE-XLA-01787] c 11 N71-16028

Suspended mass impact damper Patent
[NASA-CASE-LAR-10193-1] c 15 N71-27146

SUSPENSION SYSTEMS (VEHICLES)
Suspension system for a wheel rolling on a flat track --- bearings for directional antennas
[NASA-CASE-NPO-14395-1] c 37 N82-21587

SWEAT
Sweat collection capsule
[NASA-CASE-ARC-11031-1] c 52 N81-29763

SWEAT COOLING
Transpiration cooled turbine blade manufactured from wires Patent
[NASA-CASE-XLE-00020] c 15 N70-33226

Transpirationally cooled heat ablation system Patent
[NASA-CASE-XMS-02677] c 31 N70-42075

Method of electroforming a rocket chamber
[NASA-CASE-LEW-11118-1] c 20 N74-32919

SWEPT CIRCUITS
Multiple slope sweep generator Patent
[NASA-CASE-XMS-03542] c 09 N71-28926

SWEPT EFFECT
High speed flight vehicle control Patent
[NASA-CASE-XLA-08967] c 02 N71-27088

Acoustically swept rotor --- helicopter noise reduction
[NASA-CASE-ARC-11106-1] c 05 N80-14107

SWEPT FREQUENCY
Swept group delay measurement
[NASA-CASE-NPO-13909-1] c 33 N78-25319

SWELLING
Intumescent composition, foamed product prepared therewith, and process for making same
[NASA-CASE-ARC-10304-1] c 18 N73-26572

SWEPT WINGS
Supersonic aircraft Patent
[NASA-CASE-XLA-04451] c 02 N71-12243

Leading edge vortex flaps for drag reduction --- during subsonic flight
[NASA-CASE-LAR-12750-1] c 02 N81-19016

SWIRLING
Slosh alleviator Patent
[NASA-CASE-XLA-05749] c 15 N71-19569

Swirl can primary combustor
[NASA-CASE-LEW-11326-1] c 23 N73-30665

SWITCHES
Switching mechanism with energy storage means Patent
[NASA-CASE-XGS-00473] c 03 N70-38713

Digital memory in which the driving of each word location is controlled by a switch core Patent
[NASA-CASE-XNP-01466] c 10 N71-26434

RF controlled solid state switch
[NASA-CASE-ARC-10136-1] c 09 N72-22202

High power RF coaxial switch
[NASA-CASE-NPO-14229-1] c 33 N80-18285

Automatic thermal switch
[NASA-CASE-GSC-12415-1] c 33 N82-24419

Fiber optic crossbar switch for automatically patching optical signals
[NASA-CASE-KSC-11104-1] c 74 N83-29032

Trac failure detector
[NASA-CASE-MFS-25607-1] c 33 N83-34190

Heat pipe thermal switch
[NASA-CASE-12812-1] c 34 N83-35307

SWITCHING
Phase detector for three-phase power factor controller
[NASA-CASE-MFS-25854-1] c 33 N83-17804

SWITCHING CIRCUITS
Solid state switch
[NASA-CASE-XNP-09228] c 09 N69-27500

Power control circuit
[NASA-CASE-XNP-02713] c 10 N69-39888

A method for selective gold diffusion of monolithic silicon devices and/or circuits Patent application
[NASA-CASE-ERC-10072] c 09 N70-11148

Space vehicle electrical system Patent
[NASA-CASE-XMF-00517] c 03 N70-34157

High speed low level electrical stepping switch Patent
[NASA-CASE-XAC-00060] c 09 N70-39915

Switching circuit employing regeneratively connected complementary transistors Patent
[NASA-CASE-XNP-02654] c 10 N70-42032

Electronic beam switching commutator Patent
[NASA-CASE-XGS-01451] c 09 N71-10677

Electronic amplifier with power supply switching Patent
[NASA-CASE-XMS-00945] c 09 N71-10798

SCR blocking pulse gate amplifier Patent
[NASA-CASE-XLA-07497] c 09 N71-12514

Magnetic core current steering commutator Patent
[NASA-CASE-NPO-10201] c 08 N71-18694

A dc-coupled noninverting one-shot Patent
[NASA-CASE-XNP-09450] c 10 N71-18723

Reversible current control apparatus Patent
[NASA-CASE-XLA-09371] c 10 N71-18724

Exclusive-Or digital logic module Patent
[NASA-CASE-XLA-07732] c 08 N71-18751

Polarization diversity monopulse tracking receiver Patent
[NASA-CASE-XGS-03501] c 09 N71-20864

Sight switch using an infrared source and sensor Patent
[NASA-CASE-XMF-03934] c 09 N71-22985

Complementary regenerative switch Patent
[NASA-CASE-XGS-02751] c 09 N71-23015

Drive circuit utilizing two cores Patent
[NASA-CASE-XNP-01318] c 10 N71-23033

Pulse modulator providing fast rise and fall times Patent
[NASA-CASE-XMS-04919] c 09 N71-23270

Polarity sensitive circuit Patent
[NASA-CASE-XNP-00952] c 10 N71-23271

Increasing efficiency of switching type regulator circuits Patent
[NASA-CASE-XMS-09352] c 09 N71-23316

Indexing microwave switch Patent
[NASA-CASE-XNP-06507] c 09 N71-23548

Multialarm summary alarm Patent
[NASA-CASE-XLE-03061-1] c 10 N71-24798

Switching circuit Patent
[NASA-CASE-XNP-06505] c 10 N71-24799

Inverter with means for base current shaping for sweeping charge carriers from base region Patent
[NASA-CASE-XGS-06226] c 10 N71-25950

Current steering switch Patent
[NASA-CASE-XNP-08567] c 09 N71-26000

Control apparatus for applying pulses of selectively predetermined duration to a sequence of loads Patent
[NASA-CASE-XGS-04224] c 10 N71-26418

Turn on transient limiter Patent
[NASA-CASE-GSC-10413] c 10 N71-26531

Method and means for providing an absolute power measurement capability Patent
[NASA-CASE-ERC-11020] c 14 N71-26774

Transistor drive regulator Patent
[NASA-CASE-LEW-10233] c 10 N71-27126

Compensating bandwidth switching transients in an amplifier circuit Patent
[NASA-CASE-XNP-01107] c 10 N71-28859

Monostable multivibrator with complementary NOR gates Patent
[NASA-CASE-MSC-13492-1] c 10 N71-28860

Digital memory sense amplifying means Patent
[NASA-CASE-XNP-01012] c 08 N71-28925

Current regulating voltage divider
[NASA-CASE-MFS-20935] c 09 N71-34212

Reference voltage switching unit
[NASA-CASE-NPO-11253] c 09 N72-17157

Optimum performance spacecraft solar cell system
[NASA-CASE-GSC-10669-1] c 03 N72-20031

Flow rate switch
[NASA-CASE-NPO-10722] c 09 N72-20199

Switching regulator
[NASA-CASE-LEW-11005-1] c 09 N72-21243

Data multiplexer using tree switching configuration
[NASA-CASE-NPO-11333] c 08 N72-22162

Pulse coupling circuit
[NASA-CASE-LEW-10433-1] c 09 N72-22197

Solid state remote circuit selector switch
[NASA-CASE-LEW-10387] c 09 N72-22201

Pressure operated electrical switch responsive to a pressure decrease after a pressure increase
[NASA-CASE-LAR-10137-1] c 09 N72-22204

Fast response low power drain logic circuits
[NASA-CASE-GSC-10878-1] c 10 N72-22236

CRT blanking and brightness control circuit
[NASA-CASE-KSC-10647-1] c 10 N72-31273

Electronic video editor
[NASA-CASE-KSC-10003] c 10 N73-13235

Radiation sensitive solid state switch
[NASA-CASE-NPO-10817-1] c 08 N73-30135

Transparent switchboard
[NASA-CASE-MSC-13746-1] c 10 N73-32143

High isolation RF signal selection switches
[NASA-CASE-NPO-13081-1] c 33 N74-22814

Isolated output system for a class D switching-mode amplifier
[NASA-CASE-MFS-21616-1] c 33 N75-30429

Dual digital video switcher
[NASA-CASE-KSC-10782-1] c 33 N75-30431

Multi-computer multiple data path hardware exchange system
[NASA-CASE-NPO-13422-1] c 60 N76-14818

Sustained arc ignition system
[NASA-CASE-LEW-12444-1] c 33 N77-28385

Window comparator
[NASA-CASE-FRC-10090-1] c 33 N78-18308

Module failure isolation circuit for paralleled inverters --- preventing system failure during power conditioning for spacecraft applications
[NASA-CASE-NPO-14000-1] c 33 N79-24254

System for automatically switching transformer coupled lines
[NASA-CASE-MSC-16697-1] c 33 N79-28415

Self-reconfiguring solar cell system
[NASA-CASE-LEW-12586-1] c 44 N80-14472

Push-pull converter with energy saving circuit for protecting switching transistors from peak power stress
[NASA-CASE-NPO-14316-1] c 33 N81-33404

Microwave switching power divider --- antenna feeds
[NASA-CASE-GSC-12420-1] c 33 N82-16340

Control means for a solid state crossbar switch
[NASA-CASE-NPO-15066-1] c 33 N82-29538

Three phase power factor controller with induced EMF sensing
[NASA-CASE-MFS-25852-1] c 33 N83-17803

Active lamp pulse driver circuit --- optical pumping of laser media
[NASA-CASE-GSC-12566-1] c 33 N83-34189

SWITCHING THEORY
Multiple circuit switch apparatus with improved pivot actuator structure Patent
[NASA-CASE-XAC-03777] c 10 N71-15909

SWIVELS
Swivel support for gas bearings Patent
[NASA-CASE-XMF-07808] c 15 N71-23812

SYNCHRONISM
Time division multiplex system
[NASA-CASE-XGS-05918] c 07 N69-39974
Means for generating a sync signal in an FM communication system Patent
[NASA-CASE-NPO-10830] c 07 N71-11281
Method of resolving clock synchronization error and means therefor Patent
[NASA-CASE-XNP-08875] c 10 N71-23099
Passive synchronized spike generator with high input impedance and low output impedance and capacitor power supply Patent
[NASA-CASE-XGS-03632] c 09 N71-23311
Time synchronization system utilizing moon reflected coded signals Patent
[NASA-CASE-NPO-10143] c 10 N71-26326
Rapid sync acquisition system Patent
[NASA-CASE-NPO-10214] c 10 N71-26577
Synchronized voltage contrast display analysis system
[NASA-CASE-NPO-14567-1] c 33 N83-18996

SYNCHRONIZED OSCILLATORS
Phase demodulation system with two phase locked loops Patent
[NASA-CASE-XNP-00777] c 10 N71-19469
Phase locked phase modulator including a voltage controlled oscillator Patent
[NASA-CASE-XNP-05382] c 10 N71-23544
Automatic frequency control loop including synchronous switching circuits
[NASA-CASE-KSC-10393] c 09 N72-21247
Apparatus and method for tracking the fundamental frequency of an analog input signal
[NASA-CASE-ARC-11367-1] c 33 N83-21238

SYNCHRONIZERS
Burst synchronization detection system Patent
[NASA-CASE-XMS-05605-1] c 10 N71-19468
Time division radio relay synchronizing system using different sync code words for in sync and out of sync conditions Patent
[NASA-CASE-GSC-10373-1] c 07 N71-19773
Synchronous servo loop control system Patent
[NASA-CASE-XNP-03744] c 10 N71-20448
Digital synchronizer Patent
[NASA-CASE-NPO-10851] c 07 N71-24613
Video sync processor Patent
[NASA-CASE-KSC-10002] c 10 N71-25865
Pulse code modulated signal synchronizer
[NASA-CASE-MSC-12462-1] c 32 N74-20809
Pulse code modulated signal synchronizer
[NASA-CASE-MSC-12494-1] c 32 N74-20810
System for generating timing and control signals
[NASA-CASE-NPO-13125-1] c 33 N75-19519
Telemetry synchronizer
[NASA-CASE-GSC-11868-1] c 17 N76-22245
Memory-based frame synchronizer --- for digital communication systems
[NASA-CASE-GSC-12430-1] c 60 N82-16747

SYNCHRONOUS MOTORS
Synchronous dc direct drive system Patent
[NASA-CASE-GSC-10065-1] c 10 N71-27136
Motor run-up system --- power lines
[NASA-CASE-NPO-13374-1] c 33 N75-19524

SYNCHRONOUS SATELLITES
Position location system and method Patent
[NASA-CASE-GSC-10087-2] c 21 N71-13958
Serrodyne frequency converter re-entrant amplifier system Patent
[NASA-CASE-XGS-01022] c 07 N71-16088
Traffic control system and method Patent
[NASA-CASE-GSC-10087-1] c 02 N71-19287
Tracking antenna system Patent
[NASA-CASE-GSC-10553-1] c 07 N71-19854
Satellite interlace synchronization system
[NASA-CASE-GSC-10390-1] c 07 N72-11149
Synchronous orbit battery cycler
[NASA-CASE-GSC-11211-1] c 03 N72-25020
Systems and methods for determining radio frequency interference
[NASA-CASE-GSC-12150-1] c 32 N79-11265
Satellite personal communications system
[NASA-CASE-NPO-14480-1] c 32 N80-20448

SYNTHESIS
Synthesis of polymeric schiff bases by schiff-base exchange reactions Patent
[NASA-CASE-XMF-08651] c 06 N71-11236

Preparation of ordered poly /arylenesiloxane/ polymers
[NASA-CASE-XMF-10753] c 06 N71-11237
Imidazopyrrolone/imide copolymers Patent
[NASA-CASE-XLA-08802] c 06 N71-11238
Preparation of polyimides from mixtures of monomeric diamines and esters of polycarboxylic acids
[NASA-CASE-LEW-11325-1] c 06 N73-27980

SYNTHESIS (CHEMISTRY)
Prepolymer dianhydrides
[NASA-CASE-NPO-13899-1] c 27 N80-32515
Viscoelastic cationic polymers containing the urethane linkage
[NASA-CASE-NPO-10830-1] c 27 N81-15104
Bifunctional monomers having terminal oxime and cyano or amidine groups
[NASA-CASE-ARC-11253-3] c 27 N81-24256
Synthesis of polyformals
[NASA-CASE-ARC-11244-1] c 23 N82-16174
Electrically conductive palladium containing polyimide films
[NASA-CASE-LAR-12705-1] c 25 N82-26396
Polyvinyl alcohol cross-linked with two aldehydes
[NASA-CASE-LEW-13504-1] c 25 N83-13188
Synthesis of dawsonites --- for use in fire extinguishing operations
[NASA-CASE-ARC-11326-1] c 25 N83-33977
Solvent resistant thermoplastic aromatic poly(imidesulfone) and process for preparing same
[NASA-CASE-LAR-12858-1] c 27 N83-34041

SYNTHESIZERS
Digitally controlled frequency synthesizer Patent
[NASA-CASE-XGS-02317] c 09 N71-23525

SYNTHETIC APERTURE RADAR
Surface roughness measuring system --- synthetic aperture radar measurements of ocean wave height and terrain peaks
[NASA-CASE-NPO-13862-1] c 35 N79-10391
Azimuth correlator for real-time synthetic aperture radar image processing
[NASA-CASE-NPO-14019-1] c 32 N79-14268
Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths
[NASA-CASE-NPO-14525-1] c 32 N79-19195
An electro-optical Doppler tracker means and method for optical correlation of synthetic aperture radar data
[NASA-CASE-NPO-14998-1] c 33 N81-15194
Synthetic aperture radar target simulator
[NASA-CASE-NPO-15024-1] c 32 N82-10286
Real-time multiple-look synthetic aperture radar processor for spacecraft applications
[NASA-CASE-NPO-14054-1] c 32 N82-12297
A pipelined digital SAR azimuth correlator using hybrid FFT/transversal-filter
[NASA-CASE-NPO-15519-1] c 32 N82-12298
Wideband passive synthetic-aperture multichannel receiver
[NASA-CASE-NPO-15651-1] c 32 N82-26523
Method and apparatus for Delta K synthetic aperture radar measurement of ocean current
[NASA-CASE-NPO-15704-1] c 32 N82-28502
Servomechanism for Doppler shift compensation in optical correlator for synthetic aperture radar
[NASA-CASE-NPO-14998-1] c 32 N83-18975
Clutter free synthetic aperture radar correlator
[NASA-CASE-NPO-14035-1] c 32 N83-19968
Method and apparatus for contour mapping using synthetic aperture radar
[NASA-CASE-NPO-15939-1] c 43 N83-20324
Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths
[NASA-CASE-NPO-14525-2] c 32 N83-31918

SYNTHETIC FIBERS
Fluid containers and resealable septum therefor Patent
[NASA-CASE-NPO-10123] c 15 N71-24835
Fabric for micrometeoroid protection garment Patent
[NASA-CASE-MSC-12109] c 18 N71-26285
Fluid impervious barrier including liquid metal alloy and method of making same Patent
[NASA-CASE-XNP-08881] c 17 N71-28747
Polymers electrolytic hygrometer
[NASA-CASE-NPO-13948-1] c 35 N78-25391
Process for spinning flame retardant elastomeric compositions --- fabricating synthetic fibers for high oxygen environments
[NASA-CASE-MSC-14331-3] c 27 N78-32262
Insoluble polyelectrolyte and ion-exchange hollow fiber impregnated therewith
[NASA-CASE-NPO-13530-1] c 25 N81-17187

SYNTHETIC FUELS
Molten salt pyrolysis of latex --- synthetic hydrocarbon fuel production using the Guayule shrub
[NASA-CASE-NPO-14315-1] c 27 N81-17261
Solar heated fluidized bed gasification system
[NASA-CASE-NPO-15071-1] c 44 N82-16475

SYNTHETIC RESINS
Coating process
[NASA-CASE-XNP-06508] c 18 N69-39895
Phosphorus-containing bisimide resins
[NASA-CASE-ARC-11321-1] c 27 N81-27272
Method for forming pyrrone molding powders and products of said method
[NASA-CASE-LAR-10423-1] c 23 N82-29358

SYNTHETIC RUBBERS
Process for the preparation of polycarbonylphosphazenes --- thermal insulation
[NASA-CASE-ARC-11176-2] c 27 N81-27271

SYRINGES
Micro-fluid exchange coupling apparatus
[NASA-CASE-ARC-11114-1] c 51 N81-14605
Automated syringe sampler --- remote sampling of air and water
[NASA-CASE-LAR-12308-1] c 35 N81-29407

SYSTEM EFFECTIVENESS
System for the measurement of ultra-low stray light levels --- determining the adequacy of large space telescope systems
[NASA-CASE-MFS-23513-1] c 74 N79-11865

SYSTEM FAILURES
Tape recorder Patent
[NASA-CASE-XGS-08259] c 14 N71-23698
Fault tolerant clock apparatus utilizing a controlled minority of clock elements
[NASA-CASE-MSC-12531-1] c 35 N75-30504
Apparatus for sensor failure detection and correction in a gas turbine engine control system
[NASA-CASE-LEW-12907-2] c 07 N81-19115

SYSTEMS ANALYSIS
Analog-to-digital converter analyzing system
[NASA-CASE-NPO-10560] c 08 N72-22166

SYSTEMS ENGINEERING
Magnetohydrodynamic induction machine
[NASA-CASE-NPO-07481] c 25 N69-21929
Gravity stabilized flying vehicle Patent
[NASA-CASE-MSC-12111-1] c 02 N71-11039
Solar battery with interconnecting means for plural cells Patent
[NASA-CASE-XNP-06506] c 03 N71-11050
Helmet assembly and latch means therefor Patent
[NASA-CASE-XMS-04935] c 05 N71-11190
Multi-feed cone Cassegrain antenna Patent
[NASA-CASE-NPO-10539] c 07 N71-11285
Viscous-pendulum-damper Patent
[NASA-CASE-XLA-02079] c 12 N71-16894
Out of tolerance warning alarm system for plurality of monitored circuits Patent
[NASA-CASE-XMS-10984-1] c 10 N71-19417
Wide range data compression system Patent
[NASA-CASE-XGS-02612] c 08 N71-19435
Space suit heat exchanger Patent
[NASA-CASE-XMS-09571] c 05 N71-19439
Biomedical radiation detecting probe Patent
[NASA-CASE-XMS-01177] c 05 N71-19440
High speed binary to decimal conversion system Patent
[NASA-CASE-XGS-01230] c 08 N71-19544
Evaporator source for vapor deposition Patent
[NASA-CASE-XMF-06065] c 15 N71-20395
Method and apparatus for making a heat insulating and ablative structure Patent
[NASA-CASE-XMS-02009] c 33 N71-20834
Polarization diversity monopulse tracking receiver Patent
[NASA-CASE-XGS-03501] c 09 N71-20864
Inflatable support structure Patent
[NASA-CASE-XLA-01731] c 32 N71-21045
Fast opening diaphragm Patent
[NASA-CASE-XLA-03660] c 15 N71-21060
Portable superclean air column device Patent
[NASA-CASE-XMF-03212] c 15 N71-22721
Apparatus for machining geometric cones Patent
[NASA-CASE-XMS-04292] c 15 N71-22722
Spin forming tubular elbows Patent
[NASA-CASE-XMF-01083] c 15 N71-22723
Spacecraft airlock Patent
[NASA-CASE-XLA-02050] c 31 N71-22968
Station keeping of a gravity gradient stabilized satellite Patent
[NASA-CASE-XLA-03132] c 31 N71-22969
Filler valve Patent
[NASA-CASE-XNP-01747] c 15 N71-23024
Refrigeration apparatus Patent
[NASA-CASE-XNP-08877] c 15 N71-23025
Reduced bandwidth video communication system utilizing sampling techniques Patent
[NASA-CASE-XNP-02791] c 07 N71-23026
Multiple environment materials test chamber having a multiple port X-ray tube for irradiating a plurality of samples Patent
[NASA-CASE-XMS-02930] c 11 N71-23042

Variable duration pulse integrator Patent
[NASA-CASE-XLA-01219] c 10 N71-23084

Sealed electrochemical cell provided with a flexible casing Patent
[NASA-CASE-XGS-01513] c 03 N71-23336

Extended area semiconductor radiation detectors and a novel readout arrangement Patent
[NASA-CASE-XGS-03230] c 14 N71-23401

Floating two force component measuring device Patent
[NASA-CASE-XAC-04885] c 14 N71-23790

Transducer circuit and catheter transducer Patent
[NASA-CASE-ARC-10132-1] c 09 N71-24597

Method of attaching a cover glass to a silicon solar cell Patent
[NASA-CASE-XLE-08569-2] c 03 N71-24681

Attitude control system for sounding rockets Patent
[NASA-CASE-XGS-01654] c 31 N71-24750

Temperature telemetric transmitter Patent
[NASA-CASE-NPO-10649] c 07 N71-24840

Tuning arrangement for an electron discharge device or the like Patent
[NASA-CASE-XNP-09771] c 09 N71-24841

Broadband modified turnstile antenna Patent
[NASA-CASE-MS-12209] c 09 N71-24842

Apparatus for determining the deflection of an electron beam impinging on a target Patent
[NASA-CASE-XMF-06617] c 09 N71-24843

BCD to decimal decoder Patent
[NASA-CASE-XKS-06167] c 08 N71-24890

Noninterruptible digital counting system Patent
[NASA-CASE-XNP-09759] c 08 N71-24891

Duct coupling for single-handed operation Patent
[NASA-CASE-MFS-20395] c 15 N71-24903

Brushless direct current tachometer Patent
[NASA-CASE-MFS-20385] c 09 N71-24904

Quick release hook tape Patent
[NASA-CASE-XMS-10660-1] c 15 N71-25975

Internal work light Patent
[NASA-CASE-XKS-05932] c 09 N71-26787

Apparatus for inspecting microfilm Patent
[NASA-CASE-MFS-20240] c 14 N71-26788

Apparatus for remote measurement of displacement of marks on a specimen undergoing a tensile test
[NASA-CASE-NPO-10778] c 14 N72-11364

Optimum performance spacecraft solar cell system
[NASA-CASE-GSC-10669-1] c 03 N72-20031

Electric storage battery
[NASA-CASE-NPO-11021] c 03 N72-20032

Spacecraft attitude control method and apparatus
[NASA-CASE-HQN-10439] c 21 N72-21624

Light sensor
[NASA-CASE-NPO-11311] c 14 N72-25414

Flight control system
[NASA-CASE-MS-13397-1] c 21 N72-25595

Program for computer aided reliability estimation
[NASA-CASE-NPO-13086-1] c 15 N73-12495

Measurement system
[NASA-CASE-MFS-20658-1] c 14 N73-30386

Alignment apparatus using a laser having a gravitationally sensitive cavity reflector
[NASA-CASE-ARC-10444-1] c 16 N73-33397

System for calibrating pressure transducer
[NASA-CASE-LAR-10910-1] c 35 N74-13132

Three mirror glancing incidence system for X-ray telescope
[NASA-CASE-MFS-21372-1] c 74 N74-27866

Holographic system for nondestructive testing
[NASA-CASE-MFS-21704-1] c 35 N75-25124

Compact pulsed laser having improved heat conductance
[NASA-CASE-NPO-13147-1] c 36 N77-25502

Tetherline system for orbiting satellites
[NASA-CASE-MFS-23564-1] c 15 N78-25119

Non-tracking solar energy collector system
[NASA-CASE-NPO-13813-1] c 44 N78-31526

Horizontally mounted solar collector
[NASA-CASE-MFS-23349-1] c 44 N79-23481

Contour measurement system
[NASA-CASE-MFS-23726-1] c 43 N79-26439

Redundant motor drive system
[NASA-CASE-MFS-23777-1] c 37 N80-32716

System for sterilizing objects --- cleaning space vehicle systems
[NASA-CASE-KSC-11085-1] c 54 N81-24724

T

TACHOMETERS

Digital cardiometer system Patent
[NASA-CASE-XMS-02399] c 05 N71-22896

Brushless direct current tachometer Patent
[NASA-CASE-MFS-20385] c 09 N71-24904

Ratemeter
[NASA-CASE-MFS-20418] c 14 N73-24473

Tachometer
[NASA-CASE-MFS-23175-1] c 35 N77-30436

A brushless dc tachometer
[NASA-CASE-NPO-15706-1] c 35 N82-26633

TACTILE DISCRIMINATION
Optical fiber tactile sensor
[NASA-CASE-NPO-15375-1] c 74 N83-18485

TAIL ASSEMBLIES
Surface conforming thermal/pressure seal --- tail assemblies of space shuttle orbiters
[NASA-CASE-MS-18422-1] c 37 N82-16408

Missile rolling tail brake torque system --- simulating bearing friction on canard controlled missiles
[NASA-CASE-LAR-12751-1] c 37 N82-26675

TAKEOFF
Airplane take-off performance indicator Patent
[NASA-CASE-XLA-00100] c 14 N70-36807

Aircraft instrument Patent
[NASA-CASE-XLA-00487] c 14 N70-40157

TANGENTS
Derivation of a tangent function using an integrated circuit four-quadrant multiplier
[NASA-CASE-MS-13907-1] c 10 N73-26230

TANK GEOMETRY
Tank construction for space vehicles Patent
[NASA-CASE-XMF-01899] c 31 N70-41948

TANKS (CONTAINERS)
Penetrating radiation system for detecting the amount of liquid in a tank Patent
[NASA-CASE-MS-12280] c 27 N71-16348

Method for leakage testing of tanks Patent
[NASA-CASE-XMF-02392] c 32 N71-24285

Floating baffle to improve efficiency of liquid transfer from tanks
[NASA-CASE-KSC-10639] c 15 N73-26472

Method of producing a storage bulb for an atomic hydrogen maser
[NASA-CASE-NPO-13050-1] c 36 N75-15029

TANTALUM
Thermionic tantalum emitter doped with oxygen Patent Application
[NASA-CASE-NPO-11138] c 03 N70-34646

Arc electrode of graphite with ball tip Patent
[NASA-CASE-XLE-04788] c 09 N71-22987

Trialkyl-dihalotantalum and niobium compounds Patent
[NASA-CASE-XNP-04023] c 06 N71-28808

Thermocouples of tantalum and rhenium alloys for more stable vacuum-high temperature performance
[NASA-CASE-LEW-12050-1] c 35 N77-32454

TANTALUM ALLOYS
Evaporant holder
[NASA-CASE-XLA-03105] c 15 N69-27483

Tantalum modified ferritic iron base alloys
[NASA-CASE-LEW-12095-1] c 26 N78-18182

TANTALUM CARBIDES
Thermal shock and erosion resistant tantalum carbide ceramic material
[NASA-CASE-LAR-11902-1] c 27 N78-17206

TANTALUM OXIDES
Thin film temperature sensor and method of making same
[NASA-CASE-NPO-11775] c 26 N72-28761

TAPE RECORDERS
Plural recorder system
[NASA-CASE-XMS-06949] c 09 N69-21467

Endless tape transport mechanism Patent
[NASA-CASE-XGS-01223] c 07 N71-10609

Low friction magnetic recording tape Patent
[NASA-CASE-XGS-00373] c 23 N71-15978

Tape guidance system and apparatus for the provision thereof Patent
[NASA-CASE-XNP-09453] c 08 N71-19420

Synchronous servo loop control system Patent
[NASA-CASE-XNP-03744] c 10 N71-20448

Incremental tape recorder and data rate converter Patent
[NASA-CASE-XNP-02778] c 08 N71-22710

Digital telemetry system Patent
[NASA-CASE-XGS-01812] c 07 N71-23001

Tape recorder Patent
[NASA-CASE-XGS-08259] c 14 N71-23698

Transient video signal recording with expanded playback Patent
[NASA-CASE-ARC-10003-1] c 09 N71-25866

A dc servosystem including an ac motor Patent
[NASA-CASE-NPO-10700] c 07 N71-33613

Recorder using selective noise filter
[NASA-CASE-ERC-10112] c 07 N72-21119

Scan converting video tape recorder
[NASA-CASE-NPO-10166-1] c 07 N73-22076

Scan converting video tape recorder
[NASA-CASE-NPO-10166-2] c 35 N76-16391

Method of and means for testing a tape record/playback system
[NASA-CASE-MFS-22671-2] c 35 N77-17426

TAPERED COLUMNS

Method of making a rocket motor casing Patent
[NASA-CASE-XLE-00409] c 28 N71-15658

Rocket motor casing Patent
[NASA-CASE-XLE-05689] c 28 N71-15659

TARGET ACQUISITION

Acquisition and tracking system for optical radar
[NASA-CASE-MFS-20125] c 16 N72-13437

Target acquisition antenna
[NASA-CASE-GSC-10064-1] c 10 N72-22235

Intruder detection system
[NASA-CASE-ARC-10097-2] c 07 N73-25160

TARGET RECOGNITION

Electronic background suppression method and apparatus for a field scanning sensor
[NASA-CASE-XGS-05211] c 07 N69-39980

Method and apparatus for contour mapping using synthetic aperture radar
[NASA-CASE-NPO-15939-1] c 43 N83-20324

TARGET SIMULATORS

Simulator method and apparatus for practicing the mating of an observer-controlled object with a target
[NASA-CASE-MFS-23052-2] c 74 N79-13855

Synthetic aperture radar target simulator
[NASA-CASE-NPO-15024-1] c 32 N82-10288

TARGETS

Method and apparatus for producing concentric hollow spheres --- inertial confinement fusion targets
[NASA-CASE-NPO-14596-1] c 31 N81-33319

Method and apparatus for producing gas-filled hollow spheres --- target pellets for inertial confinement fusion
[NASA-CASE-NPO-14596-3] c 31 N83-31896

TEETH

Acoustic tooth cleaner
[NASA-CASE-LAR-12471-1] c 52 N82-29862

TEFLON (TRADEMARK)

Bonding of reinforced Teflon to metals
[NASA-CASE-MFS-20482] c 15 N72-22492

Method of producing a storage bulb for an atomic hydrogen maser
[NASA-CASE-NPO-13050-1] c 36 N75-15029

Lead-oxygen dc power supply system having a closed loop oxygen and water system
[NASA-CASE-MFS-23059-1] c 44 N76-27664

TELECOMMUNICATION

Adaptive compression of communication signals Patent
[NASA-CASE-XLA-03076] c 07 N71-11266

Means for generating a sync signal in an FM communication system Patent
[NASA-CASE-XNP-10830] c 07 N71-11281

Signal-to-noise ratio estimating by taking ratio of mean and standard deviation of integrated signal samples Patent
[NASA-CASE-XNP-05254] c 07 N71-20791

Digital synchronizer Patent
[NASA-CASE-NPO-10851] c 07 N71-24613

Minimal logic block encoder Patent
[NASA-CASE-NPO-10595] c 10 N71-25917

Two carrier communication system with single transmitter
[NASA-CASE-NPO-11548] c 07 N73-26118

Pseudonoise (PN) synchronization of data system with derivation of clock frequency from received signal for clocking receiver PN generator
[NASA-CASE-XNP-03623] c 09 N73-28084

Coherent receiver employing nonlinear coherence detection for carrier tracking
[NASA-CASE-NPO-11921-1] c 32 N74-30523

Pseudo-noise test set for communication system evaluation --- test signals
[NASA-CASE-MFS-22671-1] c 35 N75-21582

Modulator for tone and binary signals --- phase of modulation of tone and binary signals on carrier waves in communication systems
[NASA-CASE-GSC-11743-1] c 32 N75-24981

Method and apparatus for quadrature-shift-key and linear phase modulation
[NASA-CASE-NPO-14444-1] c 33 N81-15192

Random digital encryption secure communication system
[NASA-CASE-MS-16462-1] c 32 N82-31583

Method for terminal position determination in Earth terminal-to-satellite burst acquisition and synchronization
[NASA-CASE-LEW-13893-1] c 32 N83-30832

TELEMETRY

Pressure variable capacitor
[NASA-CASE-XNP-09752] c 14 N69-21541

Telemetry word forming unit
[NASA-CASE-XNP-09225] c 09 N69-24333

Position location and data collection system and method Patent
[NASA-CASE-GSC-10083-1] c 30 N71-16090

Telespectrograph Patent
[NASA-CASE-XLA-03273] c 14 N71-18699

- Digitally controlled frequency synthesizer Patent
[NASA-CASE-XGS-02317] c 09 N71-23525
- Programmable telemetry system Patent
[NASA-CASE-GSC-10131-1] c 07 N71-24624
- Temperature telemetric transmitter Patent
[NASA-CASE-NPO-10649] c 07 N71-24840
- Rapid sync acquisition system Patent
[NASA-CASE-NPO-10214] c 10 N71-26577
- Telemetry actuated switch
[NASA-CASE-ARC-10105] c 09 N72-17153
- Flexible computer accessed telemetry
[NASA-CASE-NPO-11358] c 07 N72-25172
- Digital control and information system
[NASA-CASE-NPO-11016] c 08 N72-31226
- Multichannel telemetry system
[NASA-CASE-NPO-11572] c 07 N73-16121
- Receiver with an improved phase lock loop in a multichannel telemetry system with suppressed carrier
[NASA-CASE-NPO-11593-1] c 07 N73-28012
- Telemetry synchronizer
[NASA-CASE-GSC-11868-1] c 17 N76-22245
- Memory-based parallel data output controller
[NASA-CASE-GSC-12447-1] c 60 N80-21987
- A single frequency multimode telemetry system
[NASA-CASE-LAR-13006-1] c 17 N83-20995
- Memory-based parallel data output controller
[NASA-CASE-GSC-12447-2] c 17 N83-29302
- TELEOPERATORS**
- Cooperative multiaxis sensor for teleoperation of article manipulating apparatus
[NASA-CASE-NPO-13386-1] c 54 N75-27758
- TELEPHONES**
- Telephone multiline signaling using common signal pair
[NASA-CASE-KSC-11023-1] c 32 N79-23310
- TELEPHONY**
- Digital communication system
[NASA-CASE-MSC-13912-1] c 32 N74-30524
- TELESCOPES**
- Pneumatic mirror support system
[NASA-CASE-XLA-03271] c 11 N69-24321
- Optical tracking mount Patent
[NASA-CASE-MFS-14017] c 14 N71-26627
- Rotable accurate reflector system for telescopes Patent
[NASA-CASE-NPO-10468] c 23 N71-33229
- Light direction sensor
[NASA-CASE-NPO-11201] c 14 N72-27409
- Bore scope with variable angle scope
[NASA-CASE-MFS-15162] c 14 N72-32452
- Ritchey-Chretien Telescope
[NASA-CASE-GSC-11487-1] c 14 N73-30393
- Servo-controlled intravitral microscope system
[NASA-CASE-NPO-13214-1] c 35 N75-25123
- Heat reflecting field stop
[NASA-CASE-LAR-12443-1] c 74 N82-19030
- TELETYPEWRITER SYSTEMS**
- Video communication system and apparatus Patent
[NASA-CASE-XNP-06611] c 07 N71-26102
- TELEVISION CAMERAS**
- Electrically-operated rotary shutter Patent
[NASA-CASE-XNP-00637] c 14 N70-40273
- Digital television camera control system Patent
[NASA-CASE-XNP-01472] c 14 N70-41807
- Solid state television camera system Patent
[NASA-CASE-XMF-06092] c 07 N71-24612
- Color television system
[NASA-CASE-MSC-12146-1] c 07 N72-17109
- TV fatigue crack monitoring system
[NASA-CASE-LAR-11490-1] c 39 N78-16387
- Optical conversion method --- for spacecraft television
[NASA-CASE-MSC-12618-1] c 74 N78-17865
- Television camera video level control system --- space shuttle orbiters
[NASA-CASE-MSC-18578-1] c 74 N82-27121
- Automatic weld torch guidance control system
[NASA-CASE-MFS-25807] c 37 N83-20154
- Wide dynamic range video camera
[NASA-CASE-MFS-25750-1] c 33 N83-35229
- TELEVISION EQUIPMENT**
- Television signal scan rate conversion system Patent
[NASA-CASE-XMS-07168] c 07 N71-11300
- Automatic closed circuit television arc guidance control Patent
[NASA-CASE-MFS-13046] c 07 N71-19433
- Color television systems using a single gun color cathode ray tube Patent
[NASA-CASE-ERC-10098] c 09 N71-28618
- Television multiplexing system
[NASA-CASE-KSC-10654-1] c 07 N73-30115
- Rotating raster generator
[NASA-CASE-FRC-10071-1] c 32 N74-20813
- Auditory display for the blind
[NASA-CASE-HQN-10832-1] c 71 N74-21014
- Spacecraft docking and alignment system --- using television camera system
[NASA-CASE-MSC-12559-1] c 18 N76-14186
- System for producing chroma signals
[NASA-CASE-MSC-14683-1] c 74 N77-18893
- Retinally stabilized differential resolution television display
[NASA-CASE-JPO-15432-1] c 32 N83-12308
- TELEVISION RECEIVERS**
- Narrow bandwidth video Patent
[NASA-CASE-XMS-06740-1] c 07 N71-26579
- TELEVISION SYSTEMS**
- Method and means for an improved electron beam scanning system Patent
[NASA-CASE-ERC-10552] c 09 N71-12539
- Burst synchronization detection system Patent
[NASA-CASE-XMS-05605-1] c 10 N71-19468
- Narrow bandwidth video Patent
[NASA-CASE-XMS-06740-1] c 07 N71-26579
- Stereoscopic television system and apparatus
[NASA-CASE-ARC-10160-1] c 23 N72-27728
- Retinally stabilized differential resolution television display
[NASA-CASE-JPO-15432-1] c 32 N83-12308
- TELEVISION TRANSMISSION**
- Television simulation for aircraft and space flight Patent
[NASA-CASE-XFR-03107] c 09 N71-19449
- Automatic frequency control for FM transmitter
[NASA-CASE-MFS-21540-1] c 32 N74-19790
- Television noise reduction device
[NASA-CASE-MSC-12607-1] c 32 N75-21485
- TELLURIUM**
- Targets for producing high purity I-123
[NASA-CASE-LEW-10518-3] c 25 N78-27226
- TEMPERATURE**
- Fluorinated esters of polycarboxylic acids
[NASA-CASE-MFS-21040-1] c 06 N73-30098
- TEMPERATURE COMPENSATION**
- Temperature compensated solid state differential amplifier Patent
[NASA-CASE-XAC-00435] c 09 N70-35440
- Variable frequency magnetic multivibrator Patent
[NASA-CASE-XGS-00458] c 09 N70-38604
- Matched thermistors for microwave power meters Patent
[NASA-CASE-NPO-10348] c 10 N71-12554
- Precision thrust gage Patent
[NASA-CASE-XGS-02319] c 14 N71-22965
- Variable frequency oscillator with temperature compensation Patent
[NASA-CASE-XNP-03916] c 09 N71-28810
- Omnidirectional acceleration device Patent
[NASA-CASE-HQN-10780] c 14 N71-30265
- Thermal compensating structural member
[NASA-CASE-MFS-20433] c 15 N72-28496
- Temperature compensated light source using a light emitting diode
[NASA-CASE-ARC-10467-1] c 09 N73-14214
- Opto-mechanical subsystem with temperature compensation through isothermal design
[NASA-CASE-GSC-12059-1] c 35 N77-27366
- Temperature compensated current source
[NASA-CASE-MSC-11235] c 33 N78-17294
- TEMPERATURE CONTROL**
- Method and apparatus for wavelength tuning of liquid lasers
[NASA-CASE-ERC-10187] c 16 N69-31343
- Alkali-metal silicate protective coating
[NASA-CASE-XGS-04119] c 18 N69-39979
- Thermal control of space vehicles Patent
[NASA-CASE-XLA-01291] c 33 N70-36617
- Thermal switch Patent
[NASA-CASE-XNP-00463] c 33 N70-36847
- Sandwich panel construction Patent
[NASA-CASE-XLA-00349] c 33 N70-37979
- Device for suppressing sound and heat produced by high-velocity exhaust jets Patent
[NASA-CASE-XMF-01813] c 28 N70-41582
- Solar cell including second surface mirrors Patent
[NASA-CASE-NPO-10109] c 03 N71-11049
- Excessive temperature warning system Patent
[NASA-CASE-XLA-01926] c 14 N71-15620
- Intermittent type silica gel adsorption refrigerator Patent
[NASA-CASE-XNP-00920] c 15 N71-15906
- Method and apparatus for controllably heating fluid Patent
[NASA-CASE-XMF-04237] c 33 N71-16278
- Mount for thermal control system Patent
[NASA-CASE-NPO-10138] c 33 N71-16357
- Transmission line thermal short Patent
[NASA-CASE-XNP-09775] c 09 N71-20445
- Thermal control wall panel Patent
[NASA-CASE-XLA-01243] c 33 N71-22792
- Thermal control panel Patent
[NASA-CASE-XLA-07728] c 33 N71-22890
- Method and apparatus for varying thermal conductivity Patent
[NASA-CASE-XNP-05524] c 33 N71-24876
- Temperature regulation circuit Patent
[NASA-CASE-XNP-02792] c 14 N71-28958
- Automatic control of liquid cooling garment by cutaneous and external auditory meatus temperatures
[NASA-CASE-MSC-13917-1] c 05 N72-15098
- Method for controlling vapor content of a gas
[NASA-CASE-NPO-10633] c 03 N72-28025
- Atomic hydrogen maser with bulb temperature control to remove wall shift in maser output frequency
[NASA-CASE-HQN-10654-1] c 16 N73-13489
- Pump for delivering heated fluids
[NASA-CASE-NPO-11417] c 15 N73-24513
- Temperature controller for a fluid cooled garment
[NASA-CASE-ARC-10599-1] c 05 N73-26071
- Temperature control system with a pulse width modulated bridge
[NASA-CASE-NPO-11304] c 14 N73-26430
- Thermal control system for a spacecraft modular housing
[NASA-CASE-GSC-11018-1] c 31 N73-30829
- Apparatus for controlling the temperature of balloon-borne equipment
[NASA-CASE-GSC-11620-1] c 34 N74-23039
- Self-regulating proportionally controlled heating apparatus and technique
[NASA-CASE-GSC-11752-1] c 77 N75-20140
- Rocket chamber and method of making
[NASA-CASE-LEW-11118-2] c 20 N76-14191
- Thermostatically controlled non-tracking type solar energy concentrator
[NASA-CASE-NPO-13497-1] c 44 N76-14602
- Multi-chamber controllable heat pipe
[NASA-CASE-ARC-10199] c 34 N78-17337
- Thermal compensator for closed-cycle helium refrigerator --- assuring constant temperature for an infrared laser diode
[NASA-CASE-GSC-12168-1] c 31 N79-17029
- Low heat leak connector for cryogenic system
[NASA-CASE-XLE-02367-1] c 31 N79-21225
- Thermal control canister
[NASA-CASE-GSC-12253-1] c 34 N79-31523
- Pressure letdown method and device for coal conversion systems
[NASA-CASE-NPO-15100-1] c 28 N81-33306
- Heat reflecting field stop
[NASA-CASE-LAR-12443-1] c 74 N82-19030
- Automatic thermal switch
[NASA-CASE-GSC-12415-1] c 33 N82-24419
- Digital control of diode laser for atmospheric spectroscopy
[NASA-CASE-NPO-16000-1] c 36 N83-24842
- Automatic thermal switch --- spacecraft applications
[NASA-CASE-GSC-12553-1] c 34 N83-28356
- Magnetic heat pumping
[NASA-CASE-LEW-12508-3] c 34 N83-29625
- Heating and cooling system --- for fatigue test specimens
[NASA-CASE-LAR-12393-1] c 34 N83-34221
- Heat pipe thermal switch
[NASA-CASE-12812-1] c 34 N83-35307
- TEMPERATURE DISTRIBUTION**
- Heat shield oven
[NASA-CASE-XMS-04318] c 15 N69-27871
- Apparatus for supplying conditioned air at a substantially constant temperature and humidity
[NASA-CASE-GSC-12191-1] c 31 N80-32583
- TEMPERATURE EFFECTS**
- Variable stiffness polymers damper
[NASA-CASE-XAC-11225] c 14 N69-27486
- Differential pressure cell Patent
[NASA-CASE-XAC-00042] c 14 N70-34816
- Fluid flow control valve Patent
[NASA-CASE-XLE-00703] c 15 N71-15967
- Temperature sensitive flow regulator Patent
[NASA-CASE-MFS-14259] c 15 N71-19213
- Thermally cycled magnetometer Patent
[NASA-CASE-XAC-03740] c 14 N71-26135
- Radiometric temperature reference Patent
[NASA-CASE-MSC-13276-1] c 14 N71-27058
- Low temperature cross linking polyimides
[NASA-CASE-LEW-12876-2] c 27 N83-29392
- TEMPERATURE GRADIENTS**
- Differential temperature transducer Patent
[NASA-CASE-XAC-00812] c 14 N71-15598
- Temperature compensated light source using a light emitting diode
[NASA-CASE-ARC-10467-1] c 09 N73-14214
- Method for compression molding of thermosetting plastics utilizing a temperature gradient across the plastic to cure the article
[NASA-CASE-LAR-10489-1] c 31 N74-18124

Method and apparatus for checking fire detectors
[NASA-CASE-GSC-11600-1] c 35 N74-21019

Dual laser optical system and method for studying fluid flow
[NASA-CASE-MFS-25315-1] c 36 N83-29680

TEMPERATURE MEASUREMENT

Motion picture camera for optical pyrometry Patent
[NASA-CASE-XLA-00062] c 14 N70-33254

Apparatus for measuring thermal conductivity Patent
[NASA-CASE-XGS-01052] c 14 N71-15992

Thermocouple assembly Patent
[NASA-CASE-XNP-01659] c 14 N71-23039

Cavity radiometer Patent
[NASA-CASE-XNP-08961] c 14 N71-24809

Sensing probe
[NASA-CASE-LEW-10281-1] c 14 N72-17327

Apparatus for sensing temperature
[NASA-CASE-XLE-05230] c 14 N72-27410

Method of making apparatus for sensing temperature
[NASA-CASE-XLE-05230-2] c 14 N73-13417

Heat detection and compositions and devices therefor
[NASA-CASE-NPO-10784-1] c 14 N73-14428

Method of fabricating an article with cavities — with thin bottom walls
[NASA-CASE-LAR-10318-1] c 31 N74-18089

Method for determining thermo-physical properties of specimens — photographic recording of changes in thin film phase-change temperature indicating material in wind tunnel
[NASA-CASE-LAR-11053-1] c 25 N74-18551

Wind sensor
[NASA-CASE-NPO-13462-1] c 35 N76-24524

Miniature ingestible telemeter devices to measure deep-body temperature
[NASA-CASE-ARC-10583-1] c 52 N76-29894

Thermocouple, multiple junction reference oven
[NASA-CASE-FRC-10112-1] c 35 N81-26431

Multi-channel temperature measurement amplification system — solar heating systems
[NASA-CASE-MFS-23775-1] c 44 N82-16474

Solar energy control system — temperature measurement
[NASA-CASE-MFS-25287-1] c 44 N82-18686

Method of an apparatus for measuring temperature and pressure — remote sensing of the atmosphere
[NASA-CASE-GSC-12558-1] c 35 N82-29580

Temperature averaging thermal probe
[NASA-CASE-GSC-12795-1] c 35 N83-20085

TEMPERATURE MEASURING INSTRUMENTS

Excessive temperature warning system Patent
[NASA-CASE-XLA-01826] c 14 N71-15620

Condition and condition duration indicator Patent
[NASA-CASE-XMF-01097] c 10 N71-16058

Thermal detector of electromagnetic energy by means of a vibrating electrode Patent
[NASA-CASE-XAC-10768] c 09 N71-18830

Method and means for providing an absolute power measurement capability Patent
[NASA-CASE-ERC-11020] c 14 N71-26774

High intensity radiant energy pulse source having means for opening shutter when light flux has reached a desired level
[NASA-CASE-ARC-10178-1] c 09 N72-17152

Thermocouple tape
[NASA-CASE-LEW-11072-1] c 14 N73-24472

Thermocouples of tantalum and rhenium alloys for more stable vacuum-high temperature performance
[NASA-CASE-LEW-12050-1] c 35 N77-32454

TEMPERATURE PROBES

Temperature-compensating means for cavity resonator of amplifier Patent
[NASA-CASE-XNP-00449] c 14 N70-35220

Sensing probe
[NASA-CASE-LEW-10281-1] c 14 N72-17327

TEMPERATURE PROFILES

Exothermic furnace module
[NASA-CASE-MFS-25707-1] c 35 N82-26631

TEMPERATURE SENSORS

Compensating radiometer
[NASA-CASE-XLA-04556] c 14 N69-27484

Thermobulb mount Patent
[NASA-CASE-NPO-10158] c 33 N71-16356

Mount for thermal control system Patent
[NASA-CASE-NPO-10138] c 33 N71-16357

Heat flux measuring system Patent
[NASA-CASE-XFR-03802] c 33 N71-23085

Temperature telemetric transmitter Patent
[NASA-CASE-NPO-10649] c 07 N71-24840

Conically shaped cavity radiometer with a dual purpose cone winding Patent
[NASA-CASE-XNP-09701] c 14 N71-26475

Thin film capacitive bolometer and temperature sensor Patent
[NASA-CASE-NPO-10607] c 09 N71-27232

Thin film temperature sensor and method of making same
[NASA-CASE-NPO-11775] c 26 N72-28761

Heat detection and compositions and devices therefor
[NASA-CASE-NPO-10784-2] c 35 N75-25122

Optical crystal temperature gauge with fiber optic connections
[NASA-CASE-MS-18627-1] c 74 N82-30071

Temperature averaging thermal probe
[NASA-CASE-GSC-12795-1] c 35 N83-20085

TEMPLATES

Microcircuit negative cutter
[NASA-CASE-XLA-09843] c 15 N72-27485

TENSILE STRENGTH

Method of making fiber reinforced metallic composites Patent
[NASA-CASE-XLE-00231] c 17 N70-38198

Reinforced metallic composites Patent
[NASA-CASE-XLE-00228] c 17 N70-38490

Apparatus for tensile testing Patent
[NASA-CASE-XKS-06250] c 14 N71-15600

Method for fiberizing ceramic materials Patent
[NASA-CASE-XNP-00597] c 18 N71-23088

Tensile strength testing device Patent
[NASA-CASE-XNP-05634] c 15 N71-24834

Device for use in loading tension members — characterized by elongated elastic body
[NASA-CASE-MFS-21488-1] c 14 N75-24794

Method and apparatus for strengthening boron fibers — high temperature oxidation
[NASA-CASE-LEW-13826-1] c 24 N82-26385

Fluorocopolymer modified epoxy composites
[NASA-CASE-ARC-11418-1] c 24 N83-17603

Method of carbonizing polyacrylonitrile fibers
[NASA-CASE-ARC-11261-1] c 24 N83-25789

TENSILE STRESS

Rocket nozzle test method Patent
[NASA-CASE-NPO-10311] c 31 N71-15643

Device for measuring tensile forces
[NASA-CASE-MFS-21728-1] c 35 N74-27865

Solid medium thermal engine
[NASA-CASE-ARC-10461-1] c 44 N74-33379

TENSILE TESTS

Apparatus for tensile testing Patent
[NASA-CASE-XKS-06250] c 14 N71-15600

Tension measurement device Patent
[NASA-CASE-XMS-04545] c 15 N71-22878

Tensile strength testing device Patent
[NASA-CASE-XNP-05634] c 15 N71-24834

Apparatus for remote measurement of displacement of marks on a specimen undergoing a tensile test
[NASA-CASE-NPO-10778] c 14 N72-11364

Anti-buckling fatigue test assembly — for subjecting metal specimen to tensile and compressive loads at constant temperature
[NASA-CASE-LAR-10426-1] c 09 N74-19528

Method and apparatus for tensile testing of metal foil
[NASA-CASE-LAR-10208-1] c 35 N76-18400

Device for tensioning test specimens within an hermetically sealed chamber
[NASA-CASE-MFS-23281-1] c 35 N77-22450

Method and apparatus for gripping uniaxial fibrous composite materials — holding specimens for mechanical property testing
[NASA-CASE-LEW-13758-1] c 24 N83-12176

TENSION

Meter for use in detecting tension in straps having predetermined elastic characteristics
[NASA-CASE-MFS-22189-1] c 35 N75-19615

TERMINAL GUIDANCE

Energy management system for glider type vehicle Patent
[NASA-CASE-XFR-00756] c 02 N71-13421

Terminal guidance system — for guiding aircraft into preselected altitude and/or heading at terminal point
[NASA-CASE-FRC-10049-1] c 04 N74-13420

Terminal guidance sensor system
[NASA-CASE-NPO-14521-1] c 54 N79-20746

Terminal guidance sensor system — space shuttle coupling to orbiting satellites
[NASA-CASE-NPO-14521-1] c 37 N81-27519

TERNARY SYSTEMS

Nickel ternary alloy having improved cyclic oxidation resistance
[NASA-CASE-LEW-13339-1] c 26 N82-31505

TERPHENYLS

Cerenkov radiator material and charged particle detection process
[NASA-CASE-GSC-12805-1] c 72 N83-18423

TERRAIN

Landing gear Patent
[NASA-CASE-XMF-01174] c 02 N70-41589

TERRAIN ANALYSIS

Surface roughness measuring system — synthetic aperture radar measurements of ocean wave height and terrain peaks
[NASA-CASE-NPO-13862-1] c 35 N79-10391

Method for observing the features characterizing the surface of a land mass
[NASA-CASE-FRC-11013-1] c 43 N81-17489

TEST CHAMBERS

Exposure system for animals Patent
[NASA-CASE-XAC-05333] c 11 N71-22875

Multiple environment materials test chamber having a multiple port X-ray tube for irradiating a plurality of samples Patent
[NASA-CASE-XMS-02930] c 11 N71-23042

Flammability test chamber Patent
[NASA-CASE-KSC-10126] c 11 N71-24985

Pressure seal Patent
[NASA-CASE-NPO-10796] c 15 N71-27068

Autoignition test cell Patent
[NASA-CASE-KSC-10198] c 11 N71-28629

Orifice gross leak tester Patent
[NASA-CASE-ERC-10150] c 14 N71-28992

Method for measuring biaxial stress in a body subjected to stress inducing loads
[NASA-CASE-MFS-23299-1] c 39 N77-28511

TEST EQUIPMENT

Dynamic Doppler simulator Patent
[NASA-CASE-XMS-05454-1] c 07 N71-12391

Apparatus for tensile testing Patent
[NASA-CASE-XKS-06250] c 14 N71-15600

Black-body furnace Patent
[NASA-CASE-XLE-01399] c 33 N71-15625

Thermocouple assembly Patent
[NASA-CASE-XNP-01659] c 14 N71-23039

Automatic fatigue test temperature programmer Patent
[NASA-CASE-XLA-02059] c 33 N71-24276

Pulse rise time and amplitude detector Patent
[NASA-CASE-XMF-08804] c 09 N71-24717

Resilience testing device Patent
[NASA-CASE-XLA-08254] c 14 N71-26181

Validation device for spacecraft checkout equipment Patent
[NASA-CASE-XKS-10543] c 07 N71-26292

Apparatus for testing wiring harness by vibration generating means
[NASA-CASE-MS-15158-1] c 14 N72-17325

Atmospheric sampling devices
[NASA-CASE-NPO-11373] c 13 N72-25323

Burn rate testing apparatus
[NASA-CASE-XMS-09690] c 33 N72-25913

Linear explosive comparison
[NASA-CASE-LAR-10800-1] c 33 N72-27959

Apparatus for vibrational testing of articles
[NASA-CASE-GSC-11302-1] c 14 N73-13416

Test stand system for vacuum chambers
[NASA-CASE-MFS-21382] c 11 N73-20267

Rocket borne instrument to measure electric fields inside electrified clouds
[NASA-CASE-KSC-10730-1] c 14 N73-32318

Compression test assembly
[NASA-CASE-LAR-10440-1] c 14 N73-32323

Wind tunnel model and method
[NASA-CASE-LAR-10812-1] c 09 N74-17955

Anti-buckling fatigue test assembly — for subjecting metal specimen to tensile and compressive loads at constant temperature
[NASA-CASE-LAR-10426-1] c 09 N74-19528

Method and apparatus for checking fire detectors
[NASA-CASE-GSC-11600-1] c 35 N74-21019

Battery testing device — for testing cells of multiple-cell battery
[NASA-CASE-MFS-20761-1] c 44 N74-27519

Signal conditioner test set
[NASA-CASE-KSC-10750-1] c 35 N75-12270

Particulate and aerosol detector
[NASA-CASE-LAR-11434-1] c 35 N76-22509

High temperature strain gage calibration fixture
[NASA-CASE-LAR-11500-1] c 35 N76-24523

Method of and means for testing a tape record/playback system
[NASA-CASE-MFS-22671-2] c 35 N77-17426

Method of and means for testing a glancing-incidence mirror system of an X-ray telescope
[NASA-CASE-MFS-22409-2] c 74 N78-15880

TEST FACILITIES

Electric propulsion engine test chamber Patent
[NASA-CASE-XLE-00252] c 11 N70-34844

High temperature testing apparatus Patent
[NASA-CASE-XLE-00335] c 14 N70-35368

Gas analyzer for bi-gaseous mixtures Patent
[NASA-CASE-XLA-01131] c 14 N71-10774

Model launcher for wind tunnels Patent
[NASA-CASE-XNP-03578] c 11 N71-23030

Shock tube bypass piston tunnel
[NASA-CASE-NPO-12109] c 11 N72-22245

TEST STANDS

- Automatic balancing device Patent
[NASA-CASE-LAR-10774] c 10 N71-13545
Micro-pound extended range thrust stand Patent
[NASA-CASE-GSC-10710-1] c 28 N71-27094

TETHERED SATELLITES

- Tetherline system for orbiting satellites
[NASA-CASE-MFS-23564-1] c 15 N78-25119

TETHERING

- Cable arrangement for rigid tethering Patent
[NASA-CASE-XLA-02332] c 32 N71-17609
Inflatable tether Patent
[NASA-CASE-XMS-10993] c 15 N71-28936

TETHERLINES

- Flexible/rigidifiable cable assembly
[NASA-CASE-MSC-13512-1] c 15 N72-22485
Tetherline system for orbiting satellites
[NASA-CASE-MFS-23564-1] c 15 N78-25119

TETRAETHYL ORTHOSILICATE

- Thermal protection system
[NASA-CASE-MSC-18796-1] c 24 N82-26389
Densification of porous refractory substrates --- space shuttle orbiter tiles
[NASA-CASE-MSC-18737-1] c 24 N83-13171
Method of repairing surface damage to porous refractory substrates --- space shuttle orbiter tiles
[NASA-CASE-MSC-18736-1] c 24 N83-13172

TETRAPHENYLS

- Metal containing polymers from cyclic tetrameric phenylphosphorotriamides Patent
[NASA-CASE-HQN-10364] c 06 N71-27363

TEXTILES

- Non-flammable elastomeric fiber from a fluorinated elastomer and containing an halogenated flame retardant
[NASA-CASE-MSC-14331-1] c 27 N76-24405

TEXTURES

- Modification of the electrical and optical properties of polymers --- ion irradiation to create texture
[NASA-CASE-LEW-13027-1] c 27 N80-24437
Texturing polymer surfaces by transfer casting --- cardiovascular prosthesis
[NASA-CASE-LEW-13120-1] c 27 N82-28440
Surface texturing of fluoropolymers
[NASA-CASE-LEW-13028-1] c 27 N82-33521
Ion sputter textured graphite --- anode collector plates in electron tube devices
[NASA-CASE-LEW-12919-1] c 24 N83-10117

THERAPY

- Hyperthermia heating apparatus --- cancer therapy
[NASA-CASE-NPO-14549-2] c 52 N82-33996

THERMAL ABSORPTION

- Constant temperature heat sink for calorimeters Patent
[NASA-CASE-XMF-04208] c 33 N71-29051
Solar pond
[NASA-CASE-NPO-13581-2] c 44 N78-31525

THERMAL COMFORT

- Thermal garment
[NASA-CASE-XMS-03694-1] c 54 N82-29002

THERMAL CONDUCTIVITY

- Enthalpy and stagnation temperature determination of a high temperature laminar flow gas stream Patent
[NASA-CASE-XLE-00266] c 14 N70-34156
Apparatus for measuring thermal conductivity Patent
[NASA-CASE-XGS-01052] c 14 N71-15992
Heated element fluid flow sensor Patent
[NASA-CASE-MSC-12084-1] c 12 N71-17569
Method and apparatus for varying thermal conductivity Patent
[NASA-CASE-XNP-05524] c 33 N71-24876
Thermally conductive polymers
[NASA-CASE-GSC-11304-1] c 06 N72-21105
Electrostatically controlled heat shutter
[NASA-CASE-NPO-11942-1] c 33 N73-32818
Thermal barrier coating system
[NASA-CASE-LEW-12554-1] c 34 N78-18355
Support assembly for cryogenically coolable low-noise choke waveguide
[NASA-CASE-NPO-14253-1] c 32 N80-32605
Automatic thermal switch --- spacecraft applications
[NASA-CASE-GSC-12553-1] c 34 N83-28356

THERMAL CONDUCTORS

- Thermal conductive connection and method of making same Patent
[NASA-CASE-XMS-02087] c 09 N70-41717
Solar energy absorber
[NASA-CASE-MFS-22743-1] c 44 N76-22657

THERMAL CONTROL COATINGS

- Thermal control coating Patent
[NASA-CASE-XLA-01995] c 18 N71-23047
Stabilized zinc oxide coating compositions Patent
[NASA-CASE-XMF-07770-2] c 18 N71-26772
Inorganic thermal control coatings
[NASA-CASE-MFS-20011] c 18 N72-22566

Polymers vehicles as carriers for sulfonic acid salt of nitrosubstituted aromatic amines

- [NASA-CASE-ARC-10325] c 06 N72-25147

Refractory porcelain enamel passive control coating for high temperature alloys

- [NASA-CASE-MFS-22324-1] c 27 N75-27160

Particulate and solar radiation stable coating for spacecraft

- [NASA-CASE-LAR-10805-2] c 34 N77-18382

Method of preparing zinc orthotitanate pigment

- [NASA-CASE-MFS-23345-1] c 27 N77-30237

Intumescent coatings containing 4,4'-dinitrosulfanilide

- [NASA-CASE-ARC-11042-1] c 24 N78-14096

Thermal barrier coating system

- [NASA-CASE-LEW-12554-1] c 34 N78-18355

High temperature resistant cermet and ceramic compositions --- for thermal resistant insulators and refractory coatings

- [NASA-CASE-NPO-13690-1] c 27 N78-19302

Intumescent-ablator coatings using endothermic fillers

- [NASA-CASE-ARC-11043-1] c 24 N78-27180

Lightweight electrically-powered flexible thermal laminate --- made of metal and nonconductive yarns

- [NASA-CASE-MSC-12662-1] c 33 N79-12331

Electrically conductive thermal control coatings

- [NASA-CASE-GSC-12207-1] c 24 N79-14156

Improved thermal barrier coating system

- [NASA-CASE-LEW-13324-1] c 26 N82-26431

High temperature emittance coatings and coating compositions --- repairing damaged space shuttle tiles in space

- [NASA-CASE-MSC-18851-1] c 27 N82-26460

Improved thermal barrier coating system

- [NASA-CASE-LEW-13324-2] c 26 N83-34014

High temperature glass thermal control structure and coating --- for application to spacecraft reusable heat shielding

- [NASA-CASE-ARC-11164-1] c 44 N83-34448

Variable anodic thermal control coating

- [NASA-CASE-LAR-12719-1] c 44 N83-34449

Reusable thermal cycling clamp --- holders for directional solidification experiments

- [NASA-CASE-LAR-12868-1] c 27 N82-18390

Protection for energy conversion systems

- [NASA-CASE-XGS-04808] c 03 N69-25146

Electrical apparatus for detection of thermal decomposition of insulation Patent

- [NASA-CASE-XMF-03968] c 14 N71-27186

Double-beam optical method and apparatus for measuring thermal diffusivity and other molecular dynamic processes in utilizing the transient thermal lens effect

- [NASA-CASE-NPO-14657-1] c 74 N81-17887

Electromagnetic radiation energy arrangement --- coatings for solar energy absorption and infrared reflection

- [NASA-CASE-WOO-00428-1] c 32 N79-19186

Energy conversion apparatus Patent

- [NASA-CASE-XLE-00212] c 03 N70-34134

Device for directionally controlling electromagnetic radiation Patent

- [NASA-CASE-XLE-01716] c 09 N70-40234

Thermally activated foaming compositions Patent

- [NASA-CASE-LAR-10373-1] c 18 N71-26155

Gas core nuclear reactor Patent

- [NASA-CASE-LEW-10250-1] c 22 N71-28759

Electrostatically controlled heat shutter

- [NASA-CASE-NPO-11942-1] c 33 N73-32818

Solid medium thermal engine

- [NASA-CASE-ARC-10461-1] c 44 N74-33379

Panel for selectively absorbing solar thermal energy and the method of producing said panel

- [NASA-CASE-MFS-22562-1] c 44 N78-14595

Thermal energy storage system --- operating on superheating of liquids

- [NASA-CASE-MFS-23167-1] c 44 N76-31667

Low to high temperature energy conversion system

- [NASA-CASE-NPO-13510-1] c 44 N77-32581

Thermal energy transformer

- [NASA-CASE-NPO-14058-1] c 44 N79-18443

Apparatus for improving the fuel efficiency of a gas turbine engine

- [NASA-CASE-LEW-13142-1] c 07 N83-36029

Thermally operated valve Patent

- [NASA-CASE-XLE-00815] c 15 N70-35407

Adjustable mount for a trihedral mirror Patent

- [NASA-CASE-XNP-08907] c 23 N71-29123

Thermal motor

- [NASA-CASE-NPO-11283] c 09 N72-25260

Glass-to-metal seals comprising relatively high expansion metals

- [NASA-CASE-LEW-10698-1] c 37 N74-21063

Daze fasteners

- [NASA-CASE-LAR-13009-1] c 37 N83-29706

Automatic fatigue test temperature programmer Patent

- [NASA-CASE-XLA-02059] c 33 N71-24276

Piping arrangement through a double chamber structure

- [NASA-CASE-XNP-08882] c 15 N69-39935

Insulating structure Patent

- [NASA-CASE-XMF-00341] c 15 N70-33323

Unfired-ceramic flame-resistant insulation and method of making the same Patent

- [NASA-CASE-XMF-01030] c 18 N70-41583

Techniques for insulating cryogenic fuel containers Patent

- [NASA-CASE-XLA-01967] c 31 N70-42015

Lightweight refractory insulation and method of preparing the same Patent

- [NASA-CASE-XMF-05279] c 18 N71-16124

Heat protection apparatus Patent

- [NASA-CASE-XLA-00892] c 33 N71-17897

Cryogenic insulation system Patent

- [NASA-CASE-XLE-04222] c 23 N71-22881

Insulation system Patent

- [NASA-CASE-XLE-02647] c 18 N71-23658

Filament wound container Patent

- [NASA-CASE-XLE-03803] c 15 N71-23816

Panelized high performance multilayer insulation Patent

- [NASA-CASE-MFS-14023] c 33 N71-25351

Isothermal cover with thermal reservoirs Patent

- [NASA-CASE-MFS-20355] c 33 N71-25353

Fabric for micrometeoroid protection garment Patent

- [NASA-CASE-MSC-12109] c 18 N71-26285

Thickness measuring and injection device Patent

- [NASA-CASE-MFS-20261] c 14 N71-27005

Cryogenic thermal insulation Patent

- [NASA-CASE-XMF-05046] c 33 N71-28892

Intumescent composition, foamed product prepared therewith, and process for making same

- [NASA-CASE-ARC-10304-1] c 18 N73-26572

Thermal control system for a spacecraft modular housing

- [NASA-CASE-GSC-11018-1] c 31 N73-30829

Heater-mixer for stored fluids

- [NASA-CASE-ARC-10442-1] c 35 N74-15093

Intumescent composition, foamed product prepared therewith and process for making same

- [NASA-CASE-ARC-10304-2] c 27 N74-27037

High current electrical lead --- for thermionic converters

- [NASA-CASE-LEW-10950-1] c 33 N74-27683

Structural heat pipe --- for spacecraft wall thermal insulation system

- [NASA-CASE-GSC-11619-1] c 34 N75-12222

Strain arrestor plate for fused silica tile --- bonding of thermal insulation to metallic plates or structural parts

- [NASA-CASE-MSC-14182-1] c 27 N76-14264

Auger attachment method for insulation --- of spacecraft

- [NASA-CASE-MSC-12615-1] c 37 N76-19437

Flexible pile thermal barrier insulator

- [NASA-CASE-MSC-19568-1] c 34 N78-25350

Thermal insulation attaching means --- adhesive bonding of felt vibration insulators under ceramic tiles

- [NASA-CASE-MSC-12619-2] c 27 N79-12221

Diced tile thermal protection for spacecraft

- [NASA-CASE-MSC-16366-1] c 24 N79-23142

Fibrous refractory composite insulation --- shielding reusable spacecraft

- [NASA-CASE-ARC-11169-1] c 24 N79-24062

Thermal insulation protection means

- [NASA-CASE-MSC-12737-1] c 24 N79-25142

Installing fiber insulation

- [NASA-CASE-MSC-16973-1] c 37 N81-14317

Process for the preparation of polycarbonylphosphazenes --- thermal insulation

- [NASA-CASE-ARC-11176-2] c 27 N81-27271

Carbonylcyclotriphosphazenes and their polymers --- thermal insulation

- [NASA-CASE-ARC-11176-1] c 27 N82-18389

A method and technique for installing light-weight fragile, high-temperature fiber insulation

- [NASA-CASE-MSC-18934-3] c 24 N82-26387

Thermal garment

- [NASA-CASE-XMS-03694-1] c 54 N82-29002

Insulation bonding test system

- [NASA-CASE-MFS-25862-1] c 27 N83-19903

Continuous plasma light source

- [NASA-CASE-XNP-04167-2] c 25 N72-24753

THERMAL PROTECTION

- Thermo-protective device for balances Patent
[NASA-CASE-XAC-00648] c 14 N70-40400
- Ablation structures Patent
[NASA-CASE-XMS-01816] c 33 N71-15623
- Spacecraft radiator cover Patent
[NASA-CASE-MS-12049] c 31 N71-16080
- Foamed in place ceramic refractory insulating material Patent
[NASA-CASE-XGS-02435] c 18 N71-22998
- Ceramic insulation for radiant heating environments and method of preparing the same Patent
[NASA-CASE-MFS-14253] c 33 N71-24858
- Solid state thermal control polymer coating Patent
[NASA-CASE-XLA-01745] c 33 N71-28903
- Temperature reducing coating for metals subject to flame exposure Patent
[NASA-CASE-XLE-00035] c 33 N71-29151
- Stand-off type ablative heat shield
[NASA-CASE-MS-12143-1] c 33 N72-17947
- Flexible fire retardant foam
[NASA-CASE-ARC-10180-1] c 28 N72-20767
- Flexible fire retardant polyisocyanate modified neoprene foam — for thermal protective devices
[NASA-CASE-ARC-10180-1] c 27 N74-12814
- Adjustable securing base
[NASA-CASE-MS-19666-1] c 37 N78-17383
- Reaction cured glass and glass coatings
[NASA-CASE-ARC-11051-1] c 27 N78-32260
- Diced tile thermal protection for spacecraft
[NASA-CASE-MS-16366-1] c 24 N79-23142
- Corrosion resistant thermal barrier coating — protecting gas turbines and other engine parts
[NASA-CASE-LEW-13088-1] c 26 N81-25188
- Thermal protection system
[NASA-CASE-MS-18796-1] c 24 N82-26389
- Spray applicator for spraying coatings and other fluids in space
[NASA-CASE-MS-18852-1] c 37 N82-28640
- Attachment system for silica tiles — thermal protection for space shuttle orbiter
[NASA-CASE-MS-18741-1] c 27 N82-29456
- Multilayer thermal protection system
[NASA-CASE-LAR-12620-1] c 24 N82-32417
- Prestressed thermal protection systems — space shuttle orbiters
[NASA-CASE-MS-20254-1] c 24 N83-17601
- Shell tile thermal protection system
[NASA-CASE-LAR-12862-1] c 24 N83-17602
- High temperature silicon carbide impregnated insulating fabrics
[NASA-CASE-MS-18832-1] c 27 N83-18908
- Silicon-slurry/aluminide coating — protecting gas turbine engine vanes and blades
[NASA-CASE-LEW-13343] c 26 N83-31795
- Thermal barrier coating system having improved adhesion
[NASA-CASE-LEW-1335901] c 27 N83-31855
- Covering solid, film cooled surfaces with a duplex thermal barrier coating
[NASA-CASE-LEW-13450-1] c 31 N83-35177
- THERMAL RADIATION**
- Compensating radiometer
[NASA-CASE-XLA-04556] c 14 N69-27484
- Temperature sensitive capacitor device
[NASA-CASE-XNP-09750] c 14 N69-39937
- High temperature heat source Patent
[NASA-CASE-XLE-00490] c 33 N70-34545
- Thermal radiation shielding Patent
[NASA-CASE-XLE-03432] c 33 N71-24145
- Cavity radiometer Patent
[NASA-CASE-XNP-08961] c 14 N71-24809
- Method and construction for protecting heat sensitive bodies from thermal radiation and convective heat Patent
[NASA-CASE-XNP-01310] c 33 N71-28852
- THERMAL REACTORS**
- Non-equilibrium radiation nuclear reactor
[NASA-CASE-HQN-10841-1] c 73 N78-19920
- THERMAL RESISTANCE**
- Diode and protection fuse unit Patent
[NASA-CASE-XKS-03381] c 09 N71-22796
- Polyimide foam for the thermal insulation and fire protection
[NASA-CASE-ARC-10464-1] c 27 N74-12812
- Dual measurement ablation sensor
[NASA-CASE-LAR-10105-1] c 34 N74-15652
- Self-regulating proportionally controlled heating apparatus and technique
[NASA-CASE-GSC-11752-1] c 77 N75-20140
- Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MS-14903-1] c 27 N78-32256
- Ambient cure polyimide foams — thermal resistant foams
[NASA-CASE-ARC-11170-1] c 27 N79-11215

- The 1,2,4-oxadiazole elastomers — heat resistant polymers
[NASA-CASE-ARC-11253-1] c 27 N81-17262
- Surface conforming thermal/pressure seal — tail assemblies of space shuttle orbiters
[NASA-CASE-MS-18422-1] c 37 N82-16408
- Reusable thermal cycling clamp — holders for directional solidification experiments
[NASA-CASE-LAR-12688-1] c 27 N82-18390
- Heat resistant protective hand covering
[NASA-CASE-MS-20261-1] c 54 N82-32985
- Heat resistant protective hand covering
[NASA-CASE-MS-20261-2] c 54 N82-32986
- THERMAL SHOCK**
- Thermal shock apparatus Patent
[NASA-CASE-XLE-02024] c 14 N71-22964
- Thermal shock resistant hafnia ceramic material
[NASA-CASE-LAR-10894-1] c 18 N73-14584
- Thermal shock and erosion resistant tantalum carbide ceramic material
[NASA-CASE-LAR-11902-1] c 27 N78-17206
- Method of fabricating an abradable gas path seal
[NASA-CASE-LEW-13269-2] c 27 N83-17714
- Laser surface fusion of plasma sprayed ceramic turbine seals
[NASA-CASE-LEW-13269-1] c 18 N83-20996
- THERMAL SIMULATION**
- Thermopile vacuum gage tube simulator Patent
[NASA-CASE-XLA-02758] c 14 N71-18481
- THERMAL STABILITY**
- Bonded solid lubricant coating Patent
[NASA-CASE-XMS-00259] c 18 N70-36400
- Portable environmental control system Patent
[NASA-CASE-XMS-09632-1] c 05 N71-11203
- Metal containing polymers from cyclic tetrameric phenylphosphonitrimides Patent
[NASA-CASE-HQN-10364] c 06 N71-27363
- Method of making a cermet Patent
[NASA-CASE-LEW-10219-1] c 18 N71-28729
- Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-1] c 27 N74-21156
- Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-2] c 27 N76-32315
- Sound-suppressing structure with thermal relief
[NASA-CASE-LEW-12658-1] c 71 N79-14871
- Infusible silazane polymer and process for producing same — protective coatings
[NASA-CASE-XMF-02526-1] c 27 N79-21190
- Catalytic trimerization of aromatic nitriles and triaryl-s-triazine ring cross-linked high temperature resistant polymers and copolymers made thereby
[NASA-CASE-LEW-12053-2] c 27 N79-28307
- Aluminum ion-containing polyimide adhesives
[NASA-CASE-LAR-12640-1] c 27 N82-11206
- Metal phthalocyanine polymers
[NASA-CASE-ARC-11405-1] c 27 N83-12239
- Ethynyl and substituted ethynyl-terminated polysulfones
[NASA-CASE-LAR-12931-1] c 23 N83-17590
- Fluoroether modified epoxy composites
[NASA-CASE-ARC-11418-1] c 24 N83-17603
- Improved high temperature resistant polyimides
[NASA-CASE-LEW-13864-1] c 27 N83-17715
- Carboranyl-methylene-substituted phosphazenes, polymers thereof and process for the production thereof
[NASA-CASE-ARC-11370-1] c 27 N83-25884
- A solvent resistant, thermoplastic aromatic poly(midesulfone) and process for preparing same
[NASA-CASE-LAR-12858-2] c 27 N83-29391
- Low temperature cross linking polyimides
[NASA-CASE-LEW-12876-2] c 27 N83-29392
- THERMAL STRESSES**
- Strain gage Patent Application
[NASA-CASE-FRC-10053] c 14 N70-35587
- Multilegged support system Patent
[NASA-CASE-XLA-01326] c 11 N71-21481
- Low cycle fatigue testing machine
[NASA-CASE-LAR-10270-1] c 32 N72-25877
- Apparatus and method for reducing thermal stress in a turbine rotor
[NASA-CASE-LEW-12232-1] c 07 N79-10057
- Method for alleviating thermal stress damage in laminates — metal matrix composites
[NASA-CASE-LEW-12493-1] c 24 N81-17170
- Method for alleviating thermal stress damage in laminates
[NASA-CASE-LEW-12493-2] c 24 N81-26179
- Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-2] c 37 N82-26674
- THERMIONIC CATHODES**
- Cavity emitter for thermionic converter Patent
[NASA-CASE-NPO-10412] c 09 N71-28421
- THERMIONIC CONVERTERS**
- Trode thermionic energy converter
[NASA-CASE-XLE-01015] c 03 N69-39898

- Thermionic converter with current augmented by self induced magnetic field Patent
[NASA-CASE-XLE-01903] c 22 N71-23599
- Cavity emitter for thermionic converter Patent
[NASA-CASE-NPO-10412] c 09 N71-28421
- Solar cell Patent
[NASA-CASE-ARC-10050] c 03 N71-33409
- Uninsulated in-core thermionic diode
[NASA-CASE-NPO-10542] c 09 N72-27228
- High current electrical lead — for thermionic converters
[NASA-CASE-LEW-10950-1] c 33 N74-27683
- Electric power generation system directory from laser power
[NASA-CASE-NPO-13308-1] c 36 N75-30524
- Nuclear thermionic converter — tungsten-thorium oxide rods
[NASA-CASE-NPO-13121-1] c 73 N77-18891
- High thermal power density heat transfer — thermionic converters
[NASA-CASE-LEW-12950-1] c 34 N82-11399
- High thermal power density heat transfer apparatus providing electrical isolation at high temperature using heat pipes
[NASA-CASE-LEW-12950-2] c 44 N83-29804
- Thermionic energy converters
[NASA-CASE-LEW-12443-1] c 44 N83-32175
- THERMIONIC DIODES**
- Heat pipe thermionic diode power system Patent
[NASA-CASE-XMF-05843] c 03 N71-11055
- Thermionic diode switch Patent
[NASA-CASE-NPO-10404] c 03 N71-12255
- Micro current measuring device using plural logarithmic response heated filamentary type diodes Patent
[NASA-CASE-XNP-00384] c 09 N71-13530
- Power system with heat pipe liquid coolant lines Patent
[NASA-CASE-MFS-14114] c 33 N71-27862
- Uninsulated in-core thermionic diode
[NASA-CASE-NPO-10542] c 09 N72-27228
- THERMIONIC EMITTERS**
- Thermionic tantalum emitter doped with oxygen Patent Application
[NASA-CASE-NPO-11138] c 03 N70-34646
- THERMIONIC POWER GENERATION**
- Control for nuclear thermionic power source
[NASA-CASE-NPO-13114-2] c 73 N78-28913
- THERMISTORS**
- Matched thermistors for microwave power meters Patent
[NASA-CASE-NPO-10348] c 10 N71-12554
- Thermistor holder for skin temperature measurements
[NASA-CASE-ARC-10855-1] c 52 N77-10780
- Wedge immersed thermistor bolometers
[NASA-CASE-XGS-01245-1] c 35 N79-33449
- THERMOCHEMISTRY**
- Thermochemical generation of hydrogen
[NASA-CASE-NPO-15015-1] c 25 N82-28368
- THERMOCHROMATIC MATERIALS**
- Heat detection and compositions and devices therefor
[NASA-CASE-NPO-10764-1] c 14 N73-14428
- Heat detection and compositions and devices therefor
[NASA-CASE-NPO-10764-2] c 35 N75-25122
- THERMOCOUPLE PYROMETERS**
- Dual measurement ablation sensor
[NASA-CASE-LAR-10105-1] c 34 N74-15652
- THERMOCOUPLES**
- Heat flux sensor assembly
[NASA-CASE-XMS-05909-1] c 14 N69-27459
- Gas cooled high temperature thermocouple Patent
[NASA-CASE-XLE-09475-1] c 33 N71-15568
- Weld control system using thermocouple wire Patent
[NASA-CASE-MFS-06074] c 15 N71-20393
- Heat sensing instrument Patent
[NASA-CASE-XLA-01551] c 14 N71-22989
- Thermocouple assembly Patent
[NASA-CASE-XNP-01659] c 14 N71-23039
- Fluid phase analyzer Patent
[NASA-CASE-NPO-10691] c 14 N71-26199
- Apparatus for sensing temperature
[NASA-CASE-XLE-05230] c 14 N72-27410
- Method of making apparatus for sensing temperature
[NASA-CASE-XLE-05230-2] c 14 N73-13417
- Butt welder for fine gauge tungsten/rhenium thermocouple wire
[NASA-CASE-LAR-10103-1] c 15 N73-14468
- Thermocouple tape
[NASA-CASE-LEW-11072-1] c 14 N73-24472
- Thermocouple tape — developed from thermoelectrically different metals
[NASA-CASE-LEW-11072-2] c 35 N76-15434
- Thermocouple installation
[NASA-CASE-NPO-13540-1] c 35 N77-14409
- Thermocouples of tantalum and rhenium alloys for more stable vacuum-high temperature performance
[NASA-CASE-LEW-12050-1] c 35 N77-32454

- Thermocouples of molybdenum and indium alloys for more stable vacuum-high temperature performance
[NASA-CASE-LEW-12174-2] c 35 N79-14346
- Thermocouple, multiple junction reference oven
[NASA-CASE-FRC-11012-1] c 35 N81-26431
- Solar energy control system --- temperature measurement
[NASA-CASE-MFS-25287-1] c 44 N82-18686
- Joining lead wires to thin platinum alloy films
[NASA-CASE-LEW-13934-1] c 35 N83-35338
- THERMODYNAMIC CYCLES**
- Solar engine
[NASA-CASE-LAR-12148-1] c 44 N82-24640
- THERMODYNAMIC EFFICIENCY**
- Automatic compression adjusting mechanism for internal combustion engines
[NASA-CASE-MSC-18807-1] c 37 N83-36483
- THERMODYNAMIC PROPERTIES**
- Thermal shock apparatus Patent
[NASA-CASE-XLE-02024] c 14 N71-22964
- Foamed in place ceramic refractory insulating material Patent
[NASA-CASE-XGS-02435] c 18 N71-22998
- Superconducting magnet Patent
[NASA-CASE-XNP-06503] c 23 N71-29049
- Cobalt-base alloy
[NASA-CASE-LEW-10436-1] c 17 N73-32415
- High stability amplifier
[NASA-CASE-GSC-12646-1] c 33 N83-34191
- THERMOELECTRIC GENERATORS**
- Protection for energy conversion systems
[NASA-CASE-XGS-04808] c 03 N69-25146
- Segmenting lead telluride-silicon germanium thermoelements Patent
[NASA-CASE-XGS-05718] c 26 N71-16037
- Integrated thermoelectric generator/space antenna combination
[NASA-CASE-XER-09521] c 09 N72-12136
- Thermally cascaded thermoelectric generator
[NASA-CASE-NPO-10753] c 03 N72-26031
- THERMOELECTRIC MATERIALS**
- Bonding thermoelectric elements to nonmagnetic refractory metal electrodes
[NASA-CASE-XGS-04554] c 15 N69-39786
- Segmenting lead telluride-silicon germanium thermoelements Patent
[NASA-CASE-XGS-05718] c 26 N71-16037
- Stabilized lanthanum sulphur compounds --- thermoelectric materials
[NASA-CASE-NPO-16135-1] c 25 N83-24572
- THERMOELECTRIC POWER GENERATION**
- Two-fluid magnetohydrodynamic system and method for thermal-electric power conversion Patent
[NASA-CASE-XNP-00644] c 03 N70-36803
- Combined electrolysis device and fuel cell and method of operation Patent
[NASA-CASE-XLE-01645] c 03 N71-20904
- Thermoelectric power system --- for spacecraft
[NASA-CASE-MFS-22002-1] c 44 N76-16612
- THERMOELECTRICITY**
- Thermocouple tape
[NASA-CASE-LEW-11072-1] c 14 N73-24472
- Apparatus and method for measuring the Seebeck coefficient and resistivity of materials
[NASA-CASE-NPO-11749] c 14 N73-28486
- THERMOGRAVIMETRY**
- High performance filletting sealant
[NASA-CASE-ARC-11409-1] c 27 N82-32490
- THERMOLUMINESCENCE**
- Method of detecting oxygen in a gas
[NASA-CASE-LAR-10668-1] c 06 N73-18106
- Thermoluminescent aerosol analysis
[NASA-CASE-LAR-12046-1] c 25 N78-15210
- THERMOMAGNETIC EFFECTS**
- Thermomagnetic recording and magneto-optic playback system having constant intensity laser beam control
[NASA-CASE-NPO-11317-2] c 36 N74-13205
- Thermomagnetic recording and magnetic-optic playback system
[NASA-CASE-NPO-10872-1] c 35 N79-16246
- THERMOMETERS**
- Platinum resistance thermometer circuit
[NASA-CASE-MSC-12327-1] c 35 N77-27368
- THERMOPHYSICAL PROPERTIES**
- Method for determining thermo-physical properties of specimens --- photographic recording of changes in thin film phase-change temperature indicating material in wind tunnel
[NASA-CASE-LAR-11053-1] c 25 N74-18551
- Apparatus for determining thermophysical properties of test specimens
[NASA-CASE-LAR-11883-1] c 09 N77-27131
- THERMOPILES**
- Differential temperature transducer Patent
[NASA-CASE-XAC-00812] c 14 N71-15598
- Horizon sensor with a plurality of fixedly positioned radiation compensated radiation sensitive detectors Patent
[NASA-CASE-XNP-06957] c 14 N71-21088
- Irradiance measuring device
[NASA-CASE-NPO-11493] c 14 N73-12447
- THERMOPLASTIC FILMS**
- Advanced inorganic separators for alkaline batteries
[NASA-CASE-LEW-13171-1] c 44 N82-29708
- THERMOPLASTIC RESINS**
- Boron trifluoride coatings for thermoplastic materials and method of applying same in glow discharge
[NASA-CASE-ARC-11057-1] c 27 N78-31233
- Thermoplastic rubber comprising ethylene-vinyl acetate copolymer, asphalt and fluxing oil
[NASA-CASE-NPO-08835-1] c 27 N78-33228
- Membrane consisting of polyquaternary amine ion exchange polymer network interpenetrating the chains of thermoplastic matrix polymer
[NASA-CASE-NPO-14001-1] c 27 N81-14076
- Thermoset-thermoplastic aromatic polyamides
[NASA-CASE-LAR-12723-1] c 27 N81-15107
- Method of making formulated plastic separators for soluble electrode cells
[NASA-CASE-LEW-12358-2] c 25 N82-21268
- Induction heating gun
[NASA-CASE-LAR-12540-2] c 27 N82-24345
- One-step dual purpose joining technique
[NASA-CASE-LAR-12595-1] c 33 N82-26571
- Advanced inorganic separators for alkaline batteries
[NASA-CASE-LEW-13171-1] c 44 N82-29708
- Ethynyl and substituted ethynyl-terminated polysulfones
[NASA-CASE-LAR-12931-1] c 23 N83-17590
- Induction heating gun
[NASA-CASE-LAR-13181-1] c 33 N83-29591
- Advanced inorganic separators for alkaline batteries and method of making the same
[NASA-CASE-LEW-13171-2] c 44 N83-32176
- Polyphenylquinoxalines containing pendant phenylethynyl and ethynyl groups --- for thermoplastic resins
[NASA-CASE-LAR-12838-1] c 27 N83-34040
- Solvent resistant thermoplastic aromatic poly(imidesulfone) and process for preparing same
[NASA-CASE-LAR-12858-1] c 27 N83-34041
- THERMOPLASTICITY**
- Process for preparing thermoplastic aromatic polyimides
[NASA-CASE-LAR-11828-1] c 27 N78-32261
- Heat sealable, flame and abrasion resistant coated fabric --- clothing and containers for space exploration
[NASA-CASE-MSC-18382-1] c 27 N82-16238
- A solvent resistant, thermoplastic aromatic poly(imidesulfone) and process for preparing same
[NASA-CASE-LAR-12858-2] c 27 N83-29391
- THERMOREGULATION**
- Garments for controlling the temperature of the body Patent
[NASA-CASE-XMS-10269] c 05 N71-24147
- THERMOSETTING RESINS**
- Method for molding compounds Patent
[NASA-CASE-XLA-01091] c 15 N71-10672
- Method and apparatus for bonding a plastics sleeve onto a metallic body Patent
[NASA-CASE-XLA-01262] c 15 N71-21404
- Honeycomb panel and method of making same Patent
[NASA-CASE-XMF-01402] c 18 N71-21651
- Method of forming shapes from planar sheets of thermosetting materials
[NASA-CASE-NPO-11036] c 15 N72-24522
- Highly fluonated polyurethanes
[NASA-CASE-NPO-10767-2] c 06 N72-27151
- Evacuated displacement compression molding
[NASA-CASE-LAR-10782-1] c 31 N74-14133
- Method for compression molding of thermosetting plastics utilizing a temperature gradient across the plastic to cure the article
[NASA-CASE-LAR-10489-1] c 31 N74-18124
- Evacuated, displacement compression mold --- of tubular bodies from thermosetting plastics
[NASA-CASE-LAR-10782-2] c 31 N75-13111
- Cork-resin ablative insulation for complex surfaces and method for applying the same
[NASA-CASE-MFS-23626-1] c 24 N80-26388
- Thermoset-thermoplastic aromatic polyamides
[NASA-CASE-LAR-12723-1] c 27 N81-15107
- Polymeric compositions and their method of manufacture --- forming filled polymer systems using cryogenics
[NASA-CASE-NPO-10424-1] c 27 N81-24258
- Elastomer toughened polyimide adhesives
[NASA-CASE-LAR-12775-1] c 27 N83-28240
- THERMOSTATS**
- Thermal switch Patent
[NASA-CASE-XNP-00463] c 33 N70-36847
- Thermostatic actuator
[NASA-CASE-NPO-10637] c 15 N72-12409
- Thermostatically controlled non-tracking type solar energy concentrator
[NASA-CASE-NPO-13497-1] c 44 N76-14602
- THICK FILMS**
- Screened circuit capacitors
[NASA-CASE-LAR-10294-1] c 26 N72-28762
- THICKNESS**
- Myocardium wall thickness transducer and measuring method
[NASA-CASE-NPO-13644-1] c 52 N76-29895
- Thickness measurement system
[NASA-CASE-MFS-23721-1] c 31 N79-28370
- Strong thin membrane structure --- solar sails
[NASA-CASE-NPO-14021-2] c 27 N80-16163
- THIN FILMS**
- Temperature sensitive capacitor device
[NASA-CASE-XNP-09750] c 14 N69-39937
- Means and methods of depositing thin films on substrates Patent
[NASA-CASE-XNP-00595] c 15 N70-34967
- Method of forming thin window drifted silicon charged particle detector Patent
[NASA-CASE-XLE-00808] c 24 N71-10560
- Vacuum deposition apparatus Patent
[NASA-CASE-XMF-01667] c 15 N71-17647
- GaAs solar detector using manganese as a doping agent Patent
[NASA-CASE-XNP-01328] c 26 N71-18064
- Stable amplifier having a stable quiescent point Patent
[NASA-CASE-XGS-02812] c 09 N71-19466
- Evaporant source for vapor deposition Patent
[NASA-CASE-XMF-06065] c 15 N71-20395
- Method of electrolytically binding a layer of semiconductors together Patent
[NASA-CASE-XNP-01959] c 26 N71-23043
- Vacuum evaporator with electromagnetic ion steering Patent
[NASA-CASE-NPO-10331] c 09 N71-26701
- Magnetic recording head and method of making same Patent
[NASA-CASE-GSC-10097-1] c 08 N71-27210
- Thin film capacitive bolometer and temperature sensor Patent
[NASA-CASE-NPO-10607] c 09 N71-27232
- Microelectronic module package Patent
[NASA-CASE-XMS-02182] c 10 N71-28783
- Fabrication of single crystal film semiconductor devices
[NASA-CASE-ERC-10222] c 09 N72-22199
- Active microwave insides and windows
[NASA-CASE-XMF-10513-1] c 07 N72-25170
- Light regulator
[NASA-CASE-LAR-10836-1] c 26 N72-27784
- Thin film microwave ins
[NASA-CASE-LAR-10511-1] c 09 N72-29172
- Method of forming transparent films of ZnO
[NASA-CASE-FRC-10019] c 15 N73-12487
- Light intensity strain analysis
[NASA-CASE-LAR-10765-1] c 32 N73-20740
- Monitoring deposition of films
[NASA-CASE-MFS-20675] c 26 N73-26751
- Holographic thin film analyzer
[NASA-CASE-MFS-20823-1] c 16 N73-30476
- Transparent switchboard
[NASA-CASE-MSC-13746-1] c 10 N73-32143
- Method for determining thermo-physical properties of specimens --- photographic recording of changes in thin film phase-change temperature indicating material in wind tunnel
[NASA-CASE-LAR-11053-1] c 25 N74-18551
- Method of preparing water purification membranes --- polymerization of allyl amine as thin films in plasma discharge
[NASA-CASE-ARC-10643-1] c 25 N75-12087
- System for depositing thin films
[NASA-CASE-MFS-20775-1] c 31 N75-12161
- Method of producing a storage bulb for an atomic hydrogen maser
[NASA-CASE-NPO-13050-1] c 36 N75-15029
- Integrated structure vacuum tube
[NASA-CASE-ARC-10445-1] c 31 N76-31365
- Method of forming metal hydride films
[NASA-CASE-LEW-12083-1] c 37 N78-13436
- Strong thin membrane structure --- solar sails
[NASA-CASE-NPO-14021-2] c 27 N80-16163
- Method of forming dynamic membrane on stainless steel support
[NASA-CASE-MSC-18172-1] c 26 N80-19237
- Partial interlaminar separation system for composites
[NASA-CASE-LAR-12065-1] c 24 N81-14000
- Epitaxial thinning process
[NASA-CASE-NPO-15786-1] c 25 N82-26397

Thin film strain transducer --- for strain monitoring of high altitude balloons
 [NASA-CASE-WLP-10055-1] c 35 N82-26632
 Integrating IR detector imaging systems
 [NASA-CASE-NPO-15805-1] c 74 N83-20757

THIN PLATES

Dichroic plate --- as bandpass filters
 [NASA-CASE-NPO-13506-1] c 35 N76-15435
 Adjustable securing base
 [NASA-CASE-MSC-19666-1] c 37 N78-17383

THIN WALLED SHELLS

Thin-walled pressure vessel Patent
 [NASA-CASE-XLE-04677] c 15 N71-10577

THIN WALLS

Channel-type shell construction for rocket engines and the like Patent
 [NASA-CASE-XLE-00144] c 28 N70-34860
 Sealed separable connection Patent
 [NASA-CASE-NPO-10064] c 15 N71-17693
 Low mass truss structure
 [NASA-CASE-LAR-10546-1] c 11 N72-25287
 Differential pressure control
 [NASA-CASE-MFS-14216] c 14 N73-13418
 Method of fabricating an article with cavities --- with thin bottom walls
 [NASA-CASE-LAR-10318-1] c 31 N74-18089
 Method of fabricating an object with a thin wall having a precisely shaped slit
 [NASA-CASE-LAR-10409-1] c 31 N74-21059

THORIUM FLUORIDES

Ultraviolet filter
 [NASA-CASE-XNP-02340] c 23 N69-24332

THORIUM OXIDES

Nuclear thermionic converter --- tungsten-thorium oxide rods
 [NASA-CASE-NPO-13121-1] c 73 N77-18891

THREADS

Inspection gage for boss Patent
 [NASA-CASE-XMF-04966] c 14 N71-17658
 Threadless fastener apparatus Patent
 [NASA-CASE-XFR-05302] c 15 N71-23254

THREE DIMENSIONAL MOTION

Solid state controller three axes controller
 [NASA-CASE-MSC-12394-1] c 08 N74-10942

THRESHOLD GATES

Method and apparatus for data compression by a decreasing slope threshold test
 [NASA-CASE-NPO-10769] c 08 N72-11171
 Radiation hardening of MOS devices by boron --- for stabilizing gate threshold potential
 [NASA-CASE-GSC-11425-2] c 76 N75-25730

THRESHOLD LOGIC

SCR blocking pulse gate amplifier Patent
 [NASA-CASE-XLA-07497] c 09 N71-12514

THROATS

Method of making a rocket nozzle
 [NASA-CASE-XMF-06884-1] c 20 N79-21123

THRUST AUGMENTATION

Nozzle Patent
 [NASA-CASE-XLA-00154] c 28 N70-33374
 Construction and method of arranging a plurality of ion engines to form a cluster Patent
 [NASA-CASE-XNP-02923] c 28 N71-23081
 Reversed cowl flap inlet thrust augmentor --- with adjustable airfoil
 [NASA-CASE-ARC-10754-1] c 07 N75-24736
 Method and apparatus for rapid thrust increases in a turbofan engine
 [NASA-CASE-LEW-12971-1] c 07 N80-18039
 Thrust augmented spin recovery device
 [NASA-CASE-LAR-11970-2] c 08 N81-19130

THRUST BEARINGS

Thrust bearing
 [NASA-CASE-LEW-11949-1] c 37 N76-29588

THRUST CHAMBER PRESSURE

Pitch attitude stabilization system utilizing engine pressure ratio feedback signals
 [NASA-CASE-LAR-12562-1] c 08 N81-26152

THRUST CHAMBERS

Rocket chamber leak test fixture
 [NASA-CASE-XFR-09479] c 14 N69-27503
 Supporting and protecting device Patent
 [NASA-CASE-XMF-00580] c 11 N70-35383
 Rocket thrust chamber Patent
 [NASA-CASE-XLE-00145] c 28 N70-36806
 Method of making a rocket motor casing Patent
 [NASA-CASE-XLE-00409] c 28 N71-15658
 Rocket motor casing Patent
 [NASA-CASE-XLE-05689] c 28 N71-15659
 Rocket engine injector Patent
 [NASA-CASE-XLE-03157] c 28 N71-24736
 Injection head for delivering liquid fuel and oxidizers
 [NASA-CASE-NPO-10046] c 28 N72-17843
 Fluidic proportional thruster system
 [NASA-CASE-ARC-10106-1] c 28 N72-22769

Ion thruster

[NASA-CASE-LEW-10770-1] c 28 N72-22770
 Thermal flux transfer system
 [NASA-CASE-NPO-12070-1] c 28 N73-32606
 Heat exchanger --- rocket combustion chambers and cooling systems
 [NASA-CASE-LEW-12252-1] c 34 N79-13288
 Heat exchanger and method of making --- bonding rocket chambers with a porous metal matrix
 [NASA-CASE-LEW-12441-1] c 34 N79-13289

THRUST CONTROL

Electromechanical actuator
 [NASA-CASE-XNP-05975] c 15 N69-23185
 Apparatus and method for control of a solid fueled rocket vehicle Patent
 [NASA-CASE-XNP-00217] c 28 N70-38181
 Thrust and direction control apparatus Patent
 [NASA-CASE-XLE-03583] c 31 N71-17629
 Continuous detonation reaction engine Patent
 [NASA-CASE-XMF-06926] c 28 N71-22983
 High efficiency ionizer assembly Patent
 [NASA-CASE-XNP-01954] c 28 N71-28850
 Heated porous plug microthruster
 [NASA-CASE-GSC-10640-1] c 28 N72-18766
 Multi-purpose wind tunnel reaction control model block
 [NASA-CASE-MSC-19706-1] c 09 N78-31129
 Fluid thrust control system --- for liquid propellant rocket engines
 [NASA-CASE-XMF-05964-1] c 20 N79-21124

THRUST LOADS

Thrust measurement
 [NASA-CASE-XMS-05731] c 35 N75-29382

THRUST MEASUREMENT

Thrust dynamometer Patent
 [NASA-CASE-XLE-00702] c 14 N70-40203
 Thrust dynamometer Patent
 [NASA-CASE-XLE-05260] c 14 N71-20429
 Precision thrust gage Patent
 [NASA-CASE-XGS-02319] c 14 N71-22965
 Micro-pound extended range thrust stand Patent
 [NASA-CASE-GSC-10710-1] c 28 N71-27094

THRUST REVERSAL

Thrust reverser for a long duct fan engine --- for turbofan engines
 [NASA-CASE-LEW-13199-1] c 07 N82-26293

THRUST VECTOR CONTROL

Thrust vector control apparatus Patent
 [NASA-CASE-XLE-00208] c 28 N70-34294
 Velocity package Patent
 [NASA-CASE-XLA-01339] c 31 N71-15692
 Ion beam deflector Patent
 [NASA-CASE-LEW-10689-1] c 28 N71-26173
 Tertiary flow injection thrust vectoring system Patent
 [NASA-CASE-MFS-20831] c 28 N71-29153
 Flight control system
 [NASA-CASE-MSC-13397-1] c 21 N72-25595
 Rocket thrust throttling system
 [NASA-CASE-LEW-10374-1] c 28 N73-13773
 System for imposing directional stability on a rocket-propelled vehicle
 [NASA-CASE-MFS-21311-1] c 20 N76-21275

THRUST-WEIGHT RATIO

Missile launch release system Patent
 [NASA-CASE-XMF-03198] c 30 N70-40353

THYRISTORS

Electrical power generating system --- for windpowered generation
 [NASA-CASE-MFS-24368-3] c 33 N81-22280
 Pulsed thyristor trigger control circuit
 [NASA-CASE-MFS-25616-1] c 33 N82-24428
 Three phase power factor controller with induced EMF sensing
 [NASA-CASE-MFS-25852-1] c 33 N83-17803
 Phase detector for three-phase power factor controller
 [NASA-CASE-MFS-25854-1] c 33 N83-17804
 Coupling an induction motor type generator to a-c power lines
 [NASA-CASE-MFS-25302-2] c 33 N83-24768

TILES

Strain arrestor plate for fused silica tile --- bonding of thermal insulation to metallic plates or structural parts
 [NASA-CASE-MSC-14182-1] c 27 N76-14264
 Diced tile thermal protection for spacecraft
 [NASA-CASE-MSC-16366-1] c 24 N79-23142
 High temperature emittance coatings and coating compositions --- repairing damaged space shuttle tiles in space
 [NASA-CASE-MSC-18851-1] c 27 N82-26460
 Attachment system for silica tiles --- thermal protection for space shuttle orbiter
 [NASA-CASE-MSC-18741-1] c 27 N82-29456
 Mechanical fastener
 [NASA-CASE-LAR-12738-1] c 18 N82-33419

Method for repair of thin glass coatings --- on space shuttle orbiter tiles
 [NASA-CASE-KSC-11097-1] c 27 N82-33520
 Densification of porous refractory substrates --- space shuttle orbiter tiles
 [NASA-CASE-MSC-18737-1] c 24 N83-13171
 Method of repairing surface damage to porous refractory substrates --- space shuttle orbiter tiles
 [NASA-CASE-MSC-18736-1] c 24 N83-13172
 Shell tile thermal protection system
 [NASA-CASE-LAR-12862-1] c 24 N83-17602
 Apparatus for accurately preloading auger attachment means for frangible protective material
 [NASA-CASE-MSC-18791-1] c 37 N83-36482

TILT WING AIRCRAFT

Free wing assembly for an aircraft
 [NASA-CASE-FRC-10092-1] c 05 N79-12061

TIME CONSTANT

Variable time constant smoothing circuit Patent
 [NASA-CASE-XGS-01983] c 10 N70-41964

TIME DEPENDENCE

Instrument for determining coincidence and elapse time between independent sources of random sequential events
 [NASA-CASE-LAR-12531-1] c 35 N83-29651

TIME DISCRIMINATION

Ultra-long monostable multivibrator employing bistable semiconductor switch to allow charging of timing circuit Patent
 [NASA-CASE-XGS-00381] c 09 N70-34819

TIME DIVISION MULTIPLE ACCESS

Method for terminal position determination in Earth terminal-to-satellite burst acquisition and synchronization
 [NASA-CASE-LEW-13893-1] c 32 N83-30832

TIME DIVISION MULTIPLEXING

Time division multiplex system
 [NASA-CASE-XGS-05918] c 07 N69-39974
 Time-division multiplexer Patent
 [NASA-CASE-XNP-00431] c 09 N70-38998
 Data processor having multiple sections activated at different times by selective power coupling to the sections Patent
 [NASA-CASE-XGS-04767] c 08 N71-12494
 Data compression system with a minimum time delay unit Patent
 [NASA-CASE-XNP-08832] c 08 N71-12506
 Time division radio relay synchronizing system using different sync code words for in sync and out of sync conditions Patent
 [NASA-CASE-GSC-10373-1] c 07 N71-19773
 Signal processing apparatus for multiplex transmission Patent
 [NASA-CASE-NPO-10388] c 07 N71-24622
 Programmable telemetry system Patent
 [NASA-CASE-GSC-10131-1] c 07 N71-24624

TIME FUNCTIONS

Single or joint amplitude distribution analyzer Patent
 [NASA-CASE-XNP-01383] c 09 N71-10659

TIME LAG

Closed loop ranging system Patent
 [NASA-CASE-XNP-01501] c 21 N70-41930
 Data compression system with a minimum time delay unit Patent
 [NASA-CASE-XNP-08832] c 08 N71-12506

Signal phase estimator

[NASA-CASE-NPO-11203] c 10 N72-20224
 Automatic transponder --- measurement of the internal delay time of a transponder
 [NASA-CASE-GSC-12075-1] c 32 N77-31350
 Time delay and integration detectors using charge transfer devices
 [NASA-CASE-GSC-12324-1] c 33 N81-33403

TIME MEASUREMENT

Time domain phase measuring apparatus
 [NASA-CASE-GSC-12228-1] c 33 N79-10338

TIME MEASURING INSTRUMENTS

Measurement of time differences between luminous events Patent
 [NASA-CASE-XLA-01987] c 23 N71-23976
 Error correction method and apparatus for electronic timepieces
 [NASA-CASE-LAR-12654-1] c 33 N83-36357

TIME OF FLIGHT SPECTROMETERS

Time of flight mass spectrometer with feedback means from the detector to the low source and a specific counter Patent
 [NASA-CASE-XNP-01056] c 14 N71-23041

TIME SERIES ANALYSIS

Apparatus for statistical time-series analysis of electrical signals
 [NASA-CASE-MSC-12428-1] c 10 N73-25240

TIME SHARING

Integrated time shared instrumentation display Patent
 [NASA-CASE-XLA-01952] c 08 N71-12507

TIME SIGNALS

- System for monitoring signal amplitude ranges
[NASA-CASE-XMS-04061-1] c 09 N69-39885
- Method of resolving clock synchronization error and means therefor Patent
[NASA-CASE-XNP-08875] c 10 N71-23099
- Time synchronization system utilizing moon reflected coded signals Patent
[NASA-CASE-NPO-10143] c 10 N71-26326
- Counter Patent
[NASA-CASE-XNP-06234] c 10 N71-27137
- System for generating timing and control signals
[NASA-CASE-NPO-13125-1] c 33 N75-19519
- Precise RF timing signal distribution to remote stations --- fiber optics
[NASA-CASE-NPO-14749-1] c 32 N81-14186

TIMING DEVICES

- Synchronous servo loop control system Patent
[NASA-CASE-XNP-03744] c 10 N71-20448
- Method of resolving clock synchronization error and means therefor Patent
[NASA-CASE-XNP-08875] c 10 N71-23099
- Resettable monostable pulse generator Patent
[NASA-CASE-GSC-11139] c 09 N71-27016
- Data transfer system Patent
[NASA-CASE-NPO-12107] c 08 N71-27255
- High speed photo-optical time recording
[NASA-CASE-KSC-10294] c 14 N72-18411
- Method of and apparatus for double-exposure holographic interferometry
[NASA-CASE-MFS-25405-1] c 35 N81-27459
- Power control for ac motor
[NASA-CASE-MFS-25862] c 33 N83-28329

TIPS

- Thin wire pointing method
[NASA-CASE-NPO-15789-1] c 31 N83-19947

TIRES

- Excessive temperature warning system Patent
[NASA-CASE-XLA-01926] c 14 N71-15620
- Resilient wheel Patent
[NASA-CASE-MFS-13929] c 15 N71-27091

TISSUES (BIOLOGY)

- Servo-controlled intravital microscope system
[NASA-CASE-NPO-13214-1] c 35 N75-25123
- Method and system for in vivo measurement of bone tissue using a two level energy source
[NASA-CASE-MSC-14276-1] c 52 N77-14737
- System for and method of freezing biological tissue
[NASA-CASE-GSC-12173-1] c 51 N79-10694
- Coupling apparatus for ultrasonic medical diagnostic system
[NASA-CASE-NPO-13935-1] c 52 N79-14751
- Apparatus and method of inserting a microelectrode in body tissue or the like using vibration means
[NASA-CASE-NPO-13910-1] c 52 N79-27836
- Multifunctional transducer
[NASA-CASE-NPO-14329-1] c 52 N81-20703
- Enhancement of in vitro guanylate propagation
[NASA-CASE-NPO-15213-1] c 51 N83-17045

TITANATES

- Synthesis of zinc titanate pigment and coatings containing the same
[NASA-CASE-MFS-13532] c 18 N72-17532

TITANIUM

- Method of joining aluminum to stainless steel Patent
[NASA-CASE-MFS-07369] c 15 N71-20443
- Weld-bonded titanium structures
[NASA-CASE-LAR-11549-1] c 37 N77-11397
- Method of mitigating titanium impurities effects in p-type silicon material for solar cells
[NASA-CASE-NPO-14635-1] c 44 N80-24741
- High performance filletting sealant
[NASA-CASE-ARC-11409-1] c 27 N82-32490

TITANIUM ALLOYS

- Method of inhibiting stress corrosion cracks in titanium alloys Patent
[NASA-CASE-NPO-10271] c 17 N71-16393
- Nondestructive spot test method for titanium and titanium alloys
[NASA-CASE-LAR-10539-1] c 17 N73-12547
- Method and apparatus for coating substrates using lasers
[NASA-CASE-LEW-13526-1] c 26 N82-22347

TITANIUM NITRIDES

- Improved refractory coatings --- sputtered coatings on substrates that form stable nitrides
[NASA-CASE-LEW-23169-2] c 26 N81-16209

TITANIUM OXIDES

- Method of preparing zinc orthotitanate pigment
[NASA-CASE-MFS-23345-1] c 27 N77-30237

TOLERANCES (MECHANICS)

- Universal restrainer and joint Patent
[NASA-CASE-XNP-02278] c 15 N71-28951

TOLUENE

- Supercritical multicomponent solvent coal extraction
[NASA-CASE-NPO-15767-1] c 28 N82-12241

- Supercritical solvent coal extraction
[NASA-CASE-NPO-15210-1] c 28 N82-26481

TOMOGRAPHY

- System for plotting subsol structure and method therefor
[NASA-CASE-NPO-14191-1] c 31 N80-32584
- The 3-dimensional and tomographic imaging device for X-ray and gamma-ray emitting objects
[NASA-CASE-GSC-12851-1] c 35 N83-20083

TOOLS

- Tool attachment for spreading loose elements away from work Patent
[NASA-CASE-XMF-02107] c 15 N71-10809
- Adjustable attitude guide device Patent
[NASA-CASE-XLA-07911] c 15 N71-15571
- Tube dimpling tool Patent
[NASA-CASE-XMS-06876] c 15 N71-21536
- Stud-bonding gun
[NASA-CASE-MFS-20299] c 15 N72-11392
- Insert facing tool --- manually operated cutting tool for forming studs in honeycomb material
[NASA-CASE-MFS-21485-1] c 37 N74-25968
- Stator rotor tools
[NASA-CASE-MSC-16000-1] c 37 N78-24544
- Tubing and cable cutting tool
[NASA-CASE-LAR-12786-1] c 37 N82-20545
- Computer circuit card puller
[NASA-CASE-FRC-11042-1] c 60 N82-24839
- Open ended tubing cutters
[NASA-CASE-MSC-18538-1] c 37 N82-26672
- Connection system
[NASA-CASE-MSC-20319-1] c 37 N82-31689
- Tool for releasing optical elements
[NASA-CASE-GSC-12794-1] c 37 N83-12434
- Apparatus for accurately preloading auger attachment means for frangible protective material
[NASA-CASE-MSC-18791-1] c 37 N83-36482

TOOTH DISEASES

- Process for the preparation of brushite crystals
[NASA-CASE-ERC-10338] c 04 N72-33072

TOPOGRAPHY

- Method for observing the features characterizing the surface of a land mass
[NASA-CASE-FRC-11013-1] c 43 N81-17499

TORCHES

- Apparatus for welding torch angle and seam tracking control Patent
[NASA-CASE-XMF-03287] c 15 N71-15607
- Electric welding torch Patent
[NASA-CASE-XMF-02330] c 15 N71-23798
- Computerized system for translating a torch head
[NASA-CASE-MFS-23620-1] c 37 N79-10421

TOROIDAL SHELLS

- Toroidal cell and battery --- storage battery for high amp-hour load applications
[NASA-CASE-LEW-12918-1] c 44 N81-24521

TOROIDS

- Flux sensing device using a tubular core with toroidal gating coil and solenoidal output coil wound thereon Patent
[NASA-CASE-XGS-01881] c 09 N70-40123
- A brushless dc tachometer
[NASA-CASE-NPO-15706-1] c 35 N82-26633

TORQUE

- Bidirectional step torque filter with zero backlash characteristic Patent
[NASA-CASE-XGS-04227] c 15 N71-21744
- Isolation coupling arrangement for a torque measuring system
[NASA-CASE-XLA-04897] c 15 N72-22482
- High-torque open-end wrench
[NASA-CASE-NPO-13541-1] c 37 N79-14383
- Acoustic driving of rotor
[NASA-CASE-NPO-14005-1] c 71 N79-20827
- Acoustic rotation control
[NASA-CASE-NPO-15689-1] c 35 N82-24475
- Magnetic field control --- electromechanical torquing device
[NASA-CASE-MFS-23828-1] c 33 N82-26569
- Missile rolling tail brake torque system --- simulating bearing friction on canard controlled missiles
[NASA-CASE-LAR-12751-1] c 37 N82-26675
- Directional gear ratio transmission
[NASA-CASE-LAR-12644-1] c 37 N82-29605
- Securable bearing stress-strain indicator --- for monitoring torque on bolts incorporated in pressure vessels
[NASA-CASE-LAR-12774-1] c 35 N83-29654

TORQUE MOTORS

- Low speed phaselock speed control system --- for brushless dc motor
[NASA-CASE-GSC-11127-1] c 09 N75-24758
- Magnetic bearing and motor
[NASA-CASE-GSC-12726-1] c 37 N83-34323

TORQUEMETERS

- Optical torquemeter Patent
[NASA-CASE-XLE-00503] c 14 N70-34818
- Balance torquemeter Patent
[NASA-CASE-XGS-01013] c 14 N71-23725
- Pressure suit joint analyzer
[NASA-CASE-ARC-11314-1] c 54 N82-26987

TORSO

- Restraint torso for a pressurized suit
[NASA-CASE-MSC-12397-1] c 05 N72-25119
- Spacesuit torso closure
[NASA-CASE-ARC-11100-1] c 54 N78-31736

TOUCH

- Mechanically actuated triggered hand
[NASA-CASE-MFS-20413] c 15 N72-21463
- Method for measuring cutaneous sensory perception
[NASA-CASE-MSC-13609-1] c 05 N72-25122
- Tactile sensing means for prosthetic limbs
[NASA-CASE-MFS-16570-1] c 05 N73-32013

TOUGHNESS

- Toughening reinforced epoxy composites with brominated polymeric additives
[NASA-CASE-ARC-11427-1] c 24 N83-25781

TOWED BODIES

- Apparatus for releasably connecting first and second objects in predetermined space relationship
[NASA-CASE-MSC-18969-1] c 15 N82-28318

TOWERS

- Aerial capsule emergency separation device Patent
[NASA-CASE-XLA-00115] c 03 N70-33343

TOXICITY

- Glass compositions with a high modulus of elasticity --- nontoxic glass fibers
[NASA-CASE-HQN-10274-1] c 27 N82-29451

TOXICITY AND SAFETY HAZARD

- Apparatus for remote handling of materials --- mixing or analyzing dangerous chemicals
[NASA-CASE-LAR-10634-1] c 37 N74-18123

TOXICOLOGY

- Exposure system for animals Patent
[NASA-CASE-XAC-05333] c 11 N71-22875

TRACE CONTAMINANTS

- Microbalance including crystal oscillators for measuring contaminants in a gas system Patent
[NASA-CASE-NPO-10144] c 14 N71-17701
- Method for removing oxygen impurities from cesium Patent
[NASA-CASE-XNP-04262-2] c 17 N71-26773
- Electric discharge for treatment of trace contaminants
[NASA-CASE-ARC-10975-1] c 33 N79-15245

TRACE ELEMENTS

- Ion microprobe mass spectrometer for analyzing fluid materials Patent
[NASA-CASE-ERC-10014] c 14 N71-28863
- Automated system for identifying traces of organic chemical compounds in aqueous solutions
[NASA-CASE-NPO-13063-1] c 25 N76-18245
- Nulling device for detection of trace gases by NDIR absorption
[NASA-CASE-ARC-10760-1] c 25 N76-22323
- Thermoluminescent aerosol analysis
[NASA-CASE-ARC-12046-1] c 25 N78-15210

TRACKING (POSITION)

- Plurality of photosensitive cells on a pyramidal base for planetary trackers
[NASA-CASE-XNP-04180] c 07 N69-39736
- Telespectrograph Patent
[NASA-CASE-XLA-03273] c 14 N71-18699
- Method and apparatus for aligning a laser beam projector Patent
[NASA-CASE-NPO-11087] c 23 N71-29125
- Mount for continuously orienting a collector dish in a system adapted to perform both diurnal and seasonal solar tracking
[NASA-CASE-MFS-23267-1] c 35 N77-20401
- System and method for tracking a signal source --- employing feedback control
[NASA-CASE-HQN-10880-1] c 17 N78-17140
- Sun tracking solar energy collector
[NASA-CASE-NPO-13921-1] c 44 N79-14526

TRACKING FILTERS

- Automatic acquisition system for phase-lock loop
[NASA-CASE-XGS-04994] c 09 N69-21543
- Apparatus and method for stabilized phase detection for binary signal tracking loops
[NASA-CASE-MSC-16461-1] c 33 N79-11313
- PN lock indicator for dithered PN code tracking loop
[NASA-CASE-NPO-14435-1] c 33 N81-33405
- Apparatus and method for tracking the fundamental frequency of an analog input signal
[NASA-CASE-ARC-11367-1] c 33 N83-21238

TRACKING RADAR

- Monopulse system with an electronic scanner
[NASA-CASE-XGS-05582] c 07 N69-27460

Phase-locked loop with sideband rejecting properties Patent
[NASA-CASE-XNP-02723] c 07 N70-41680
Radar antenna system for acquisition and tracking Patent
[NASA-CASE-XMS-09610] c 07 N71-24625
Acquisition and tracking system for optical radar
[NASA-CASE-MFS-20125] c 16 N72-13437
Synthetic aperture radar target simulator
[NASA-CASE-NPO-15024-1] c 32 N82-10286

TRACKING STATIONS
Optical monitor panel Patent
[NASA-CASE-XKS-03509] c 14 N71-23175
Simultaneous acquisition of tracking data from two stations
[NASA-CASE-NPO-13292-1] c 32 N75-15854

TRAFFIC CONTROL
Traffic survey system — using optical scanners
[NASA-CASE-MFS-22631-1] c 66 N76-19888

TRAILERS
Low-drag ground vehicle particularly suited for use in safely transporting livestock
[NASA-CASE-FRC-11058-1] c 85 N82-33288

TRAILING EDGES
Pumped vortex
[NASA-CASE-LAR-12615-1] c 02 N83-19715
Rotor blade with passive tuned tab
[NASA-CASE-ARC-11444-1] c 02 N83-25663

TRAILING-EDGE FLAPS
Double hinged flap Patent
[NASA-CASE-XLA-01290] c 02 N70-42016
Variable area exhaust nozzle
[NASA-CASE-LEW-12378-1] c 07 N79-14097
Slotted variable camber flap
[NASA-CASE-LAR-12541-1] c 05 N82-18203

TRAINING SIMULATORS
Mechanical simulator of low gravity conditions Patent
[NASA-CASE-MFS-10555] c 11 N71-19494
Subgravity simulator Patent
[NASA-CASE-XMS-04798] c 11 N71-21474
Kinesthetic control simulator — for pilot training
[NASA-CASE-LAR-10276-1] c 09 N75-15662

TRAJECTORY ANALYSIS
Means for visually indicating flight paths of vehicles between the Earth, Venus, and Mercury Patent
[NASA-CASE-XNP-00708] c 14 N70-35394
Method of planetary atmospheric investigation using a split-trajectory dual flyby mode Patent
[NASA-CASE-XAC-08494] c 30 N71-15990

TRAJECTORY CONTROL
Trajectory-correction propulsion system Patent
[NASA-CASE-XNP-01104] c 28 N70-39931
Technique for control of free-flight rocket vehicles Patent
[NASA-CASE-XLA-00937] c 31 N71-17691
Apparatus for automatically stabilizing the attitude of a nonrigid vehicle
[NASA-CASE-ARC-10134] c 30 N72-17873

TRANSDUCERS
Pressure variable capacitor
[NASA-CASE-XNP-09752] c 14 N69-21541
Bootstrap unloader Patent
[NASA-CASE-XNP-09768] c 09 N71-12516
Vibrating structure displacement measuring instrument Patent
[NASA-CASE-XLA-03135] c 32 N71-16428
Contour surveying system Patent
[NASA-CASE-XLA-08646] c 14 N71-17586
Rotary bead dropper and selector for testing micrometeorite detectors Patent
[NASA-CASE-XGS-03304] c 09 N71-22988
Self-calibrating displacement transducer Patent
[NASA-CASE-XLA-00781] c 09 N71-22999
Extensometer frame
[NASA-CASE-XLA-10322] c 15 N72-17452
Split range transducer
[NASA-CASE-XLA-11189] c 10 N72-20222
Pulsed excitation voltage circuit for transducers
[NASA-CASE-FRC-10036] c 09 N72-22200
Magnifying scratch gage force transducer
[NASA-CASE-LAR-10496-1] c 14 N72-22437
Intruder detection system
[NASA-CASE-LAR-10097-2] c 07 N73-25160
Acoustical transducer calibrating system and apparatus
[NASA-CASE-FRC-10060-1] c 14 N73-27379
Demodulator for carrier transducers
[NASA-CASE-NUC-10107-1] c 33 N74-17930
LC-oscillator with automatic stabilized amplitude via bias current control — power supply circuit for transducers
[NASA-CASE-MFS-21698-1] c 33 N74-26732
Arterial pulse wave pressure transducer
[NASA-CASE-GSC-11531-1] c 52 N74-27566
Diode-quad bridge circuit means
[NASA-CASE-ARC-10384-3] c 33 N75-19520

Subminiature insertable force transducer — including a strain gage to measure forces in muscles
[NASA-CASE-NPO-13423-1] c 33 N75-31329
Self-supporting strain transducer
[NASA-CASE-LAR-11263-1] c 35 N75-33369
Miniature muscle displacement transducer
[NASA-CASE-NPO-13519-1] c 33 N76-19338
Method and apparatus for nondestructive testing of pressure vessels
[NASA-CASE-NPO-12142-1] c 38 N76-28563
Myocardium wall thickness transducer and measuring method
[NASA-CASE-NPO-13644-1] c 52 N76-29895
Solar cell angular position transducer
[NASA-CASE-LAR-11999-1] c 44 N80-18552
Simultaneous muscle force and displacement transducer
[NASA-CASE-NPO-14212-1] c 52 N80-27072
Multifunctional transducer
[NASA-CASE-NPO-14329-1] c 52 N81-20703
Heat pipe cooled probe
[NASA-CASE-LAR-12588-1] c 44 N81-24525
Photomechanical transducer
[NASA-CASE-NPO-14363-1] c 39 N81-25400
Hot foil transducer skin friction sensor
[NASA-CASE-LAR-12321-1] c 35 N82-24470
Thin film strain transducer — for strain monitoring of high altitude balloons
[NASA-CASE-WLP-10055-1] c 35 N82-26632
Strain gage calibration
[NASA-CASE-LAR-12743-1] c 35 N82-32661

TRANSFER FUNCTIONS
Method and apparatus for transfer function simulator for testing complex systems
[NASA-CASE-NPO-15696-1] c 36 N82-28619

TRANSFORMERS
Signal multiplexer
[NASA-CASE-XGS-01110] c 07 N69-24334
Insertion loss measuring apparatus having transformer means connected across a pair of bolometers Patent
[NASA-CASE-XNP-01193] c 10 N71-16057
Saturation current protection apparatus for saturable core transformers Patent
[NASA-CASE-ERC-10075] c 09 N71-24800
Unsaturating saturable core transformer Patent
[NASA-CASE-ERC-10125] c 09 N71-24893
Electronically resettable fuse Patent
[NASA-CASE-XGS-11177] c 09 N71-27001
Voltage regulator Patent
[NASA-CASE-ERC-10113] c 09 N71-27053
Radial heat flux transformer
[NASA-CASE-NPO-10828] c 33 N72-17948
Saturation current protection apparatus for saturable core transformers
[NASA-CASE-ERC-10075-2] c 09 N72-22196
Failsafe multiple transformer circuit configuration
[NASA-CASE-NPO-11078] c 09 N72-25262
Banded transformer cores
[NASA-CASE-NPO-11966-1] c 33 N74-17928
Solid-state current transformer
[NASA-CASE-MFS-22560-1] c 33 N77-14335
Transformer regulated self-stabilizing chopper
[NASA-CASE-XGS-09186] c 33 N78-17295
Apparatus including a plurality of spaced transformers for locating short circuits in cables
[NASA-CASE-KSC-10899-1] c 33 N79-18193
Circuit for automatic load sharing in parallel converter modules
[NASA-CASE-NPO-14056-1] c 33 N79-24257
System for automatically switching transformer coupled lines
[NASA-CASE-MSC-16697-1] c 33 N79-28415
Three phase power factor controller
[NASA-CASE-MFS-25535-1] c 33 N81-12330
Base drive for paralleled inverter systems
[NASA-CASE-NPO-14163-1] c 33 N81-14220
Low current linearization of magnetic amplifier for dc transducer
[NASA-CASE-NPO-14617-1] c 33 N81-24338
Push-pull converter with energy saving circuit for protecting switching transistors from peak power stress
[NASA-CASE-NPO-14316-1] c 33 N81-33404
Non-contacting power transfer device
[NASA-CASE-GSC-12595-1] c 33 N82-24422
High voltage isolation transformer
[NASA-CASE-GSC-12817-1] c 33 N83-29590

TRANSIENT HEATING
Thermocouple installation
[NASA-CASE-NPO-13540-1] c 35 N77-14409
Instrumentation for sensing moisture content of material using a transient thermal pulse
[NASA-CASE-NPO-15494-1] c 35 N82-25484

TRANSIENT LOADS
Deployable solar cell array
[NASA-CASE-NPO-10883] c 31 N72-22874

TRANSISTOR AMPLIFIERS

Apparatus for overcurrent protection of a push-pull amplifier Patent
[NASA-CASE-MSC-12033-1] c 09 N71-13531
Low noise tuned amplifier
[NASA-CASE-GSC-12567-1] c 33 N82-11359

TRANSISTOR CIRCUITS
Low power drain semi-conductor circuit
[NASA-CASE-XGS-04999] c 09 N69-24317
Ring counter
[NASA-CASE-XGS-03095] c 09 N69-27463
Pulse counting circuit which simultaneously indicates the occurrence of the nth pulse Patent
[NASA-CASE-XMF-00906] c 09 N70-41655
Linear sawtooth voltage-wave generator employing transistor timing circuit having capacitor-zener diode combination feedback Patent
[NASA-CASE-XMS-01315] c 09 N70-41675
Switching circuit employing regeneratively connected complementary transistors Patent
[NASA-CASE-XNP-02654] c 10 N70-42032
High voltage transistor circuit Patent
[NASA-CASE-XNP-06937] c 09 N71-19516
Complementary regenerative switch
[NASA-CASE-XGS-02751] c 09 N71-23015
Transistor drive regulator Patent
[NASA-CASE-LEW-10233] c 10 N71-27126
Multiple slope sweep generator Patent
[NASA-CASE-XMS-03542] c 09 N71-28926
Broadband video process with very high input impedance
[NASA-CASE-NPO-10199] c 09 N72-17156
Ultra-stable oscillator with complementary transistors
[NASA-CASE-GSC-11513-1] c 33 N74-20862
Inrush current limiter
[NASA-CASE-GSC-11789-1] c 33 N77-14333
Temperature compensated current source
[NASA-CASE-MSC-11235] c 33 N78-17294
Inductorless narrow-band filter/amplifier
[NASA-CASE-GSC-12410-1] c 33 N79-24260
Push-pull converter with energy saving circuit for protecting switching transistors from peak power stress
[NASA-CASE-NPO-14316-1] c 33 N81-33404
Power converter
[NASA-CASE-FRC-11014-1] c 33 N82-18494

TRANSISTORS
Power supply circuit Patent
[NASA-CASE-XMS-00913] c 10 N71-23543
Switching circuit Patent
[NASA-CASE-XNP-06505] c 10 N71-24799
Cascaded complementary pair broadband transistor amplifiers Patent
[NASA-CASE-NPO-10003] c 10 N71-26415
Fast response low power drain logic circuits
[NASA-CASE-GSC-10878-1] c 10 N72-22236
Coaxial inverted geometry transistor having buried emitter
[NASA-CASE-ARC-10330-1] c 09 N73-32112
Four phase logic systems — including integrated microcircuits
[NASA-CASE-MSC-12420-1] c 33 N75-14957
Complementary DMOS-VMOS integrated circuit structure
[NASA-CASE-GSC-12190-1] c 33 N79-12321
Circuit for automatic load sharing in parallel converter modules
[NASA-CASE-NPO-14056-1] c 33 N79-24257
Base drive for paralleled inverter systems
[NASA-CASE-NPO-14163-1] c 33 N81-14220

TRANSITION FLOW
Ablation article and method
[NASA-CASE-LAR-10439-1] c 33 N73-27796

TRANSITION TEMPERATURE
Process for preparing thermoplastic aromatic polyimides
[NASA-CASE-LAR-11828-1] c 27 N78-32261

TRANSLATIONAL MOTION
Centrifuge mounted motion simulator Patent
[NASA-CASE-XAC-00399] c 11 N70-34815
Translating horizontal tail Patent
[NASA-CASE-XLA-08801-1] c 02 N71-11043
Semi-linear ball bearing Patent
[NASA-CASE-XLA-02809] c 15 N71-22982
Positioning mechanism
[NASA-CASE-NPO-10679] c 15 N72-21462

TRANSLATORS
Serial data correlator/code translator
[NASA-CASE-KSC-11025-1] c 32 N83-13323

TRANSMISSION EFFICIENCY
Microwave power transmission system wherein level of transmitted power is controlled by reflections from receiver
[NASA-CASE-MFS-21470-1] c 44 N74-19870
Linear phase demodulator including a phase locked loop with auxiliary feedback loop
[NASA-CASE-GSC-12018-1] c 33 N77-14334

TRANSMISSION LINES

- Validation device for spacecraft checkout equipment Patent
[NASA-CASE-XKS-10543] c 07 N71-26292
- Collapsible antenna boom and transmission line Patent
[NASA-CASE-MFS-20068] c 07 N71-27191
- Phase modulator Patent
[NASA-CASE-MS-C-13201-1] c 07 N71-28429
- Shielded flat cable
[NASA-CASE-MFS-13687-2] c 09 N72-22198
- Phase control circuits using frequency multiplications for phased array antennas
[NASA-CASE-ERC-10285] c 10 N73-16206
- Phase protection system for ac power lines
[NASA-CASE-MS-C-17832-1] c 33 N74-14956
- System for stabilizing cable phase delay utilizing a coaxial cable under pressure
[NASA-CASE-NPO-13138-1] c 33 N74-17927
- Telephone multiline signaling using common signal pair
[NASA-CASE-KSC-11023-1] c 32 N79-23310
- System for automatically switching transformer coupled lines
[NASA-CASE-MS-C-16697-1] c 33 N79-28415

TRANSMISSIONS (MACHINE ELEMENTS)

- Compensating linkage for main rotor control
[NASA-CASE-LAR-11797-1] c 05 N81-19087
- Directional gear ratio transmission
[NASA-CASE-LAR-12644-1] c 37 N82-29605

TRANSMITTER RECEIVERS

- Integrated thermoelectric generator/space antenna combination
[NASA-CASE-XER-09521] c 09 N72-12136
- Location identification system
[NASA-CASE-ERC-10324] c 07 N72-25173
- Automatic vehicle location system
[NASA-CASE-NPO-11850-1] c 32 N74-12912
- Digital communication system
[NASA-CASE-MS-C-13912-1] c 32 N74-30524

TRANSMITTERS

- Temperature telemetric transmitter Patent
[NASA-CASE-NPO-10649] c 07 N71-24840
- Two carrier communication system with single transmitter
[NASA-CASE-NPO-11548] c 07 N73-26118
- Miniature multichannel biotelemetry system
[NASA-CASE-NPO-13065-1] c 52 N74-26625
- Digital transmitter for data bus communications system
[NASA-CASE-MS-C-14558-1] c 32 N75-21486
- Apparatus for endoscopic examination --- analysis of the propulsion system configuration and transmitter
[NASA-CASE-NPO-14092-1] c 52 N80-16725
- A single frequency multitransmitter telemetry system
[NASA-CASE-LAR-13006-1] c 17 N83-20995

TRANSONIC SPEED

- Leading edge curvature based on convective heating Patent
[NASA-CASE-XLA-01486] c 01 N71-23497

TRANSONIC WIND TUNNELS

- Wind tunnel test section
[NASA-CASE-MFS-20509] c 11 N72-17183

TRANSPARENCY

- Helmet assembly and latch means therefor Patent
[NASA-CASE-XMS-04935] c 05 N71-11190
- Method and apparatus for producing an image from a transparent object
[NASA-CASE-GSC-11989-1] c 74 N77-28932
- Method of fabricating a photovoltaic module of a substantially transparent construction
[NASA-CASE-NPO-14303-1] c 44 N80-18550

TRANSPARATION

- Rocket chamber and method of making
[NASA-CASE-LEW-11118-2] c 20 N76-14191

TRANSPONDERS

- Dynamic Doppler simulator Patent
[NASA-CASE-XMS-05454-1] c 07 N71-12391
- Method and apparatus for mapping planets
[NASA-CASE-NPO-11001] c 07 N72-21118
- Code regenerative clean-up loop transponder for a mu-type ranging system
[NASA-CASE-NPO-11707] c 07 N73-25161
- Automatic vehicle location system
[NASA-CASE-NPO-11850-1] c 32 N74-12912
- Simultaneous acquisition of tracking data from two stations
[NASA-CASE-NPO-13292-1] c 32 N75-15854
- Automatic transponder --- measurement of the internal delay time of a transponder
[NASA-CASE-GSC-12075-1] c 32 N77-31350

TRANSPORTATION

- Supporting and protecting device Patent
[NASA-CASE-XMF-00580] c 11 N70-35383

TRANSVERSE ACCELERATION

- Rim inertial measuring system
[NASA-CASE-LAR-12052-1] c 18 N81-29152

TRAPS

- Deep trap, laser activated image converting system
[NASA-CASE-NPO-13131-1] c 36 N75-19652

TRAVELING WAVE AMPLIFIERS

- Serrodyne frequency converter re-entrant amplifier system Patent
[NASA-CASE-XGS-01022] c 07 N71-16088
- Traveling wave solid state amplifier utilizing a semiconductor with negative differential mobility
[NASA-CASE-HQN-10069] c 33 N75-27251
- Ladder supported ring bar circuit
[NASA-CASE-LEW-13570-1] c 33 N81-24348
- A linearized traveling wave amplifier with hard limiter characteristics
[NASA-CASE-LEW-13981-1] c 33 N83-25984
- Resonant isolator for maser amplifier
[NASA-CASE-NPO-15201-1] c 36 N83-35350

TRAVELING WAVE MASERS

- Folded traveling wave maser structure Patent
[NASA-CASE-XNP-05219] c 16 N71-15550
- High-gain, broadband traveling wave maser Patent
[NASA-CASE-NPO-10548] c 16 N71-24831
- Independent gain and bandwidth control of a traveling wave maser
[NASA-CASE-NPO-13801-1] c 36 N78-18410

TRAVELING WAVE TUBES

- Segmented superconducting magnet for a broadband traveling wave maser Patent
[NASA-CASE-XGS-10518] c 16 N71-28554
- Traveling wave tube circuit
[NASA-CASE-LEW-12013-1] c 33 N79-10339
- Coupled cavity traveling wave tube with velocity tapering
[NASA-CASE-LEW-12296-1] c 33 N80-19425
- Multistage depressed collector for dual mode operation --- for microwave transmitting tubes
[NASA-CASE-LEW-13282-1] c 33 N82-24415
- A linearized traveling wave amplifier with hard limiter characteristics
[NASA-CASE-LEW-13981-1] c 33 N83-25984

TRAVELING WAVES

- Maser for frequencies in the 7-20 GHz range
[NASA-CASE-NPO-11437] c 16 N72-28521

TREADMILLS

- Tread drum for animals --- having an electrical shock station
[NASA-CASE-ARC-10917-1] c 51 N78-27733

TRIGGER CIRCUITS

- Ring counter
[NASA-CASE-XGS-03095] c 09 N69-27463
- Electric arc driven wind tunnel Patent
[NASA-CASE-XMF-00411] c 11 N70-36913
- Automatic signal range selector for metering devices Patent
[NASA-CASE-XMS-06497] c 14 N71-26244
- Multivibrator circuit with means to prevent false triggering from supply voltage fluctuations Patent
[NASA-CASE-ARC-10137-1] c 09 N71-28468
- SCR lamp driver
[NASA-CASE-GSC-10221-1] c 09 N72-23171
- Rapidly pulsed, high intensity, incoherent light source
[NASA-CASE-XLE-2529-3] c 33 N74-20859
- Pulsed thyristor trigger control circuit
[NASA-CASE-MFS-25616-1] c 33 N82-24428

TRIGONOMETRY

- Trigonometric vehicle guidance assembly which aligns the three perpendicular axes of two three-axes systems Patent
[NASA-CASE-XMF-00684] c 21 N71-21688

TRIMERS

- Trifunctional alcohol
[NASA-CASE-NPO-10714] c 06 N69-31244
- Trimerization of aromatic nitriles
[NASA-CASE-LEW-12053-1] c 27 N78-15276
- Catalytic trimerization of aromatic nitriles and triaryl-s-triazine ring cross-linked high temperature resistant polymers and copolymers made thereby
[NASA-CASE-LEW-12053-2] c 27 N79-28307

TRIODES

- Tnode thermionic energy converter
[NASA-CASE-XLE-01015] c 03 N69-39898

TRITIUM

- Method for determining the state of charge of batteries by the use of tracers Patent
[NASA-CASE-XNP-01464] c 03 N71-10728

TROPOPAUSE

- CAT altitude avoidance system
[NASA-CASE-NPO-15351-1] c 06 N83-10040

TRUCKS

- Fifth wheel
[NASA-CASE-FRC-10081-1] c 37 N77-14477

- Low-drag ground vehicle particularly suited for use in safely transporting livestock
[NASA-CASE-FRC-11058-1] c 85 N82-33288

TRUSSES

- Low mass truss structure
[NASA-CASE-LAR-10546-1] c 11 N72-25287
- Lightweight structural columns --- space erectable trusses
[NASA-CASE-LAR-12095-1] c 31 N81-25258
- Structural members, method and apparatus
[NASA-CASE-MS-C-16217-1] c 31 N81-27323
- Sequentially deployable maneuverable tetrahedral beam
[NASA-CASE-LAR-13098-1] c 31 N83-35178

TUBE GRIDS

- Method for fabricating solar cells having integrated collector grids
[NASA-CASE-LEW-12819-2] c 44 N79-18444

TUBE HEAT EXCHANGERS

- Electrothermal rockets having improved heat exchangers Patent
[NASA-CASE-XLE-01783] c 28 N70-34175
- Procedure and apparatus for determination of water in nitrogen tetroxide
[NASA-CASE-NPO-10234] c 06 N72-17094
- Liquid cooled brassiere and method of diagnosing malignant tumors therewith
[NASA-CASE-ARC-11007-1] c 52 N77-14738
- Solar energy receiver for a Stirling engine
[NASA-CASE-NPO-14619-1] c 44 N81-17518

TUBES

- Method of making tubes Patent
[NASA-CASE-XGS-04175] c 15 N71-18579
- Tube sealing device Patent
[NASA-CASE-NPO-10431] c 15 N71-29132

TUMBLING MOTION

- Tumbler system to provide random motion
[NASA-CASE-XGS-02437] c 15 N69-21472

TUMORS

- Liquid cooled brassiere and method of diagnosing malignant tumors therewith
[NASA-CASE-ARC-11007-1] c 52 N77-14736

TUNABLE LASERS

- Spatial energy distribution --- scanning a tunable diode laser beam automatically
[NASA-CASE-LAR-12631-1] c 35 N82-18557
- Digital control of diode laser for atmospheric spectroscopy
[NASA-CASE-NPO-16000-1] c 36 N83-24842
- Portable laser remote system for methane gas detection
[NASA-CASE-NPO-15790-1] c 36 N83-33137

TUNGSTEN

- Bonding thermoelectric elements to nonmagnetic refractory metal electrodes
[NASA-CASE-XGS-04554] c 15 N69-39786
- Method of producing porous tungsten ionizers for ion rocket engines Patent
[NASA-CASE-XLE-00455] c 28 N70-38197
- Small plasma probe Patent
[NASA-CASE-XLE-02578] c 25 N71-20747
- Fabrication of controlled-porosity metals Patent
[NASA-CASE-XNP-04339] c 17 N71-29137
- Tungsten contacts on silicon substrates
[NASA-CASE-GSC-10695-1] c 09 N72-25259
- Nuclear thermionic converter --- tungsten-thorium oxide rods
[NASA-CASE-NPO-13121-1] c 73 N77-18891

TUNGSTEN ALLOYS

- Evaporant holder
[NASA-CASE-XLA-03105] c 15 N69-27483
- Cobalt-base alloy
[NASA-CASE-LEW-10436-1] c 17 N73-32415
- Directionally solidified eutectic gamma plus beta nickel-base superalloys
[NASA-CASE-LEW-12906-1] c 26 N77-32279

TUNING

- Active tuned circuit
[NASA-CASE-GSC-11340-1] c 10 N72-33230
- Magnetically actuated tuning method for Gunn oscillators
[NASA-CASE-NPO-12106] c 09 N73-15235
- Tuned analog network --- bandpass filter networks
[NASA-CASE-GSC-12650-1] c 33 N82-10324
- Low noise tuned amplifier
[NASA-CASE-GSC-12567-1] c 33 N82-11359

TUNNEL DIODES

- Low power drain semi-conductor circuit
[NASA-CASE-XGS-04999] c 09 N69-24317
- Inelastic tunnel diodes
[NASA-CASE-LEW-13833-1] c 33 N83-25983

TUNNELING (EXCAVATION)

- Scanning seismic intrusion detection method and apparatus --- monitoring unwanted subterranean entry and departure
[NASA-CASE-ARC-11317-1] c 35 N83-34272

TUNNELS

- Deployable flexible tunnel
[NASA-CASE-MFS-22636-1] c 37 N76-22540
- TURBINE BLADES**
Transpiration cooled turbine blade manufactured from wires Patent
[NASA-CASE-XLE-00020] c 15 N70-33226
Modification and improvements to cooled blades Patent
[NASA-CASE-XLE-00092] c 15 N70-33264
High temperature nickel-base alloy Patent
[NASA-CASE-XLE-00151] c 17 N70-33283
External liquid-spray cooling of turbine blades Patent
[NASA-CASE-XLE-00037] c 28 N70-33372
Liquid spray cooling method Patent
[NASA-CASE-XLE-00027] c 33 N71-29152
Welding blades to rotors
[NASA-CASE-LEW-10533-1] c 15 N73-28515
Leading edge protection for composite blades
[NASA-CASE-LEW-12550-1] c 24 N77-19170
Improved method for driving two-phase turbines with enhanced efficiency
[NASA-CASE-NPO-15037-1] c 37 N80-26660
Wingtip vortex turbine
[NASA-CASE-LAR-12544-1] c 07 N81-27096
Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-2] c 37 N82-26674
Method of protecting a surface with a silicon-slurry/aluminide coating — coatings for gas turbine engine blades and vanes
[NASA-CASE-LEW-13343-1] c 27 N82-28441
Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-1] c 27 N82-29453
Vertical shaft windmill
[NASA-CASE-LAR-12923-1] c 44 N82-29713
Tip cap for a rotor blade
[NASA-CASE-LEW-13654-1] c 07 N83-14129
- TURBINE ENGINES**
High speed, self-acting shaft seal — for use in turbine engines
[NASA-CASE-LEW-11274-1] c 37 N75-21631
Dual cycle aircraft turbine engine
[NASA-CASE-LAR-11310-1] c 07 N77-28118
Composite seal for turbomachinery — backings for turbine engine shrouds
[NASA-CASE-LEW-12131-1] c 37 N79-18318
Self stabilizing sonic inlet
[NASA-CASE-LEW-11890-1] c 05 N79-24976
Composite seal for turbomachinery
[NASA-CASE-LEW-12131-2] c 37 N80-26658
Pumped vortex
[NASA-CASE-LAR-12615-1] c 02 N83-19715
- TURBINE PUMPS**
Pulsed energy power system Patent
[NASA-CASE-MSC-13112] c 03 N71-11057
Cryogenic cooling system Patent
[NASA-CASE-NPO-10467] c 23 N71-26654
Supersonic-combustion rocket
[NASA-CASE-LEW-11058-1] c 20 N74-13502
Supercharged topping rocket propellant feed system
[NASA-CASE-XLE-02062-1] c 20 N80-14188
- TURBINE WHEELS**
Locking device for turbine rotor blades Patent
[NASA-CASE-XNP-00816] c 28 N71-28928
Apparatus for welding blades to rotors
[NASA-CASE-LEW-10533-2] c 37 N74-11300
Blade retainer assembly
[NASA-CASE-LEW-12608-1] c 07 N77-27116
- TURBINES**
Rotating shaft seal Patent
[NASA-CASE-XNP-02862-1] c 15 N71-26294
Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-3] c 37 N83-28450
- TURBOCOMPRESSORS**
Multistage multiple-reentry turbine Patent
[NASA-CASE-XLE-00170] c 15 N70-36412
Apparatus and method for reducing thermal stress in a turbine rotor
[NASA-CASE-LEW-12232-1] c 07 N79-10057
Diesel engine catalytic combustor system — turbocharging
[NASA-CASE-LEW-12995-1] c 37 N80-26659
- TURBOFAN ENGINES**
Supersonic fan blading — noise reduction in turbofan engines
[NASA-CASE-LEW-11402-1] c 07 N74-28226
Noise suppressor — for turbofan engine by incorporating annular acoustically porous elements in exhaust and inlet ducts
[NASA-CASE-LAR-11141-1] c 07 N74-32418
Variable thrust nozzle for quiet turbofan engine and method of operating same
[NASA-CASE-LEW-12317-1] c 07 N78-17055

- Method and apparatus for rapid thrust increases in a turbofan engine
[NASA-CASE-LEW-12971-1] c 07 N80-18039
Integrated control system for a gas turbine engine
[NASA-CASE-LEW-12594-2] c 07 N81-19116
Thrust reverser for a long duct fan engine — for turbofan engines
[NASA-CASE-LEW-13199-1] c 07 N82-26293
Noise suppressor for turbo fan jet engines
[NASA-CASE-ARC-10812-1] c 07 N83-33884
- TURBOFANS**
Dual output variable pitch turbofan actuation system
[NASA-CASE-LEW-12419-1] c 07 N77-14025
Reverse pitch fan with divided splitter
[NASA-CASE-LEW-12760-1] c 07 N77-17059
- TURBOJET ENGINE CONTROL**
Integrated control system for a gas turbine engine
[NASA-CASE-LEW-12594-2] c 07 N81-19116
- TURBOJET ENGINES**
Telescoping-spike supersonic inlet for aircraft engines Patent
[NASA-CASE-XLE-00005] c 28 N70-39899
Gas turbine combustion apparatus Patent
[NASA-CASE-XLE-103477-1] c 28 N71-20330
Reduction of nitric oxide emissions from a combustor
[NASA-CASE-ARC-10814-2] c 07 N80-26298
- TURBOMACHINE BLADES**
Platform for a swing root turbomachinery blade
[NASA-CASE-LEW-12312-1] c 07 N77-32148
Composite seal for turbomachinery
[NASA-CASE-LEW-12131-2] c 37 N80-26658
- TURBOMACHINERY**
Turbo-machine blade vibration damper Patent
[NASA-CASE-XLE-00155] c 28 N71-29154
Centrifugal-reciprocating compressor
[NASA-CASE-NPO-14597-1] c 37 N79-23431
Composite seal for turbomachinery
[NASA-CASE-LEW-12131-3] c 37 N82-19540
Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-1] c 27 N82-29453
Method of fabricating an abradable gas path seal
[NASA-CASE-LEW-13269-2] c 27 N83-17714
Damping seal for turbomachinery
[NASA-CASE-MFS-25842-1] c 37 N83-26080
- TURBOSHAPES**
Optical torqueometer Patent
[NASA-CASE-XLE-00503] c 14 N70-34818
High speed, self-acting shaft seal — for use in turbine engines
[NASA-CASE-LEW-11274-1] c 37 N75-21631
Improved method for driving two-phase turbines with enhanced efficiency
[NASA-CASE-NPO-15037-1] c 37 N80-26660
- TURBULENCE METERS**
Hot foil transducer skin friction sensor
[NASA-CASE-LAR-12321-1] c 35 N82-24470
- TURBULENT BOUNDARY LAYER**
Sound shield
[NASA-CASE-LAR-12883-1] c 71 N83-17235
- TURBULENT FLOW**
Exhaust flow deflector — for ducted gas flow
[NASA-CASE-LAR-11570-1] c 34 N76-18364
System for measuring Reynolds in a turbulently flowing fluid — signal processing
[NASA-CASE-ARC-10755-2] c 34 N76-27517
System for measuring three fluctuating velocity components in a turbulently flowing fluid
[NASA-CASE-ARC-10974-1] c 34 N77-27345
Detection of the transitional layer between laminar and turbulent flow areas on a wing surface — using an accelerometer to measure pressure levels during wind tunnel tests
[NASA-CASE-LAR-12261-1] c 02 N80-20224
Amplified wind turbine apparatus
[NASA-CASE-MFS-23830-1] c 44 N82-24639
- TURNSTILE ANTENNAS**
Method and means for damping nutation in a satellite Patent
[NASA-CASE-XMF-00442] c 31 N71-10747
Broadband modified turnstile antenna Patent
[NASA-CASE-MSC-12209] c 09 N71-24842
Turnstile slot antenna
[NASA-CASE-GSC-11428-1] c 32 N74-20864
Turnstile and flared cone UHF antenna
[NASA-CASE-LAR-10970-1] c 33 N76-14372
- TURRET**
Electron beam tube containing a multiple cathode array employing indexing means for cathode substitution Patent
[NASA-CASE-NPO-10625] c 09 N71-26182
- TWISTING**
Means for controlling aerodynamically induced twist
[NASA-CASE-LAR-12175-1] c 05 N82-28279

TWO BODY PROBLEM

- Instrument for measuring potentials on two dimensional electric field plots Patent
[NASA-CASE-XLA-08493] c 10 N71-19421

TWO DIMENSIONAL BODIES

- Two-dimensional radiant energy array computers and computing devices
[NASA-CASE-GSC-11839-1] c 60 N77-14751

TWO PHASE FLOW

- Two-step rocket engine bipropellant valve Patent
[NASA-CASE-XMS-04890-1] c 15 N70-22192
Booster tank system Patent
[NASA-CASE-MSC-12390] c 27 N71-29155
Two phase flow system with discrete impinging two-phase jets
[NASA-CASE-NPO-11556] c 12 N72-25292
Method and turbine for extracting kinetic energy from a stream of two-phase fluid
[NASA-CASE-NPO-14130-1] c 34 N79-20335
Improved method for driving two-phase turbines with enhanced efficiency
[NASA-CASE-NPO-15037-1] c 37 N80-26660

TWO STAGE TURBINES

- Improved method for driving two-phase turbines with enhanced efficiency
[NASA-CASE-NPO-15037-1] c 37 N80-26660

TYPEWRITERS

- Guide for a typewriter
[NASA-CASE-MFS-15218-1] c 37 N77-19457

U

U BENDS

- Technique of elbow bending small jacketed transfer lines Patent
[NASA-CASE-XNP-10475] c 15 N71-24679
Method for distillation of liquids
[NASA-CASE-XNP-08124-2] c 06 N73-13129

ULCERS

- Indomethacin-anthistamine combination for gastric ulceration control
[NASA-CASE-ARC-11118-2] c 52 N81-14613
Indomethacin-anthistamine combination for gastric ulceration control
[NASA-CASE-ARC-11118-1] c 52 N81-29764

ULLAGE

- Penetrating radiation system for detecting the amount of liquid in a tank Patent
[NASA-CASE-MSC-12280] c 27 N71-16348

ULTRAHIGH FREQUENCIES

- Turnstile and flared cone UHF antenna
[NASA-CASE-LAR-10970-1] c 33 N76-14372
Dual band combiner for horn antenna
[NASA-CASE-NPO-14519-1] c 32 N80-23524

ULTRAHIGH VACUUM

- Method of lubricating rolling element bearings Patent
[NASA-CASE-XLE-09527] c 15 N71-17688
Gauge calibration by diffusion
[NASA-CASE-XGS-07752] c 14 N73-30390
Ultrahigh vacuum gauge having two collector electrodes
[NASA-CASE-LAR-02743] c 14 N73-32324
In situ transfer standard for ultrahigh vacuum gauge calibration
[NASA-CASE-LAR-10862-1] c 35 N74-15092

ULTRAPURE METALS

- Production of ultrapure amorphous metals utilizing acoustic cooling
[NASA-CASE-NPO-15658-1] c 26 N83-19890

ULTRASONIC AGITATION

- Apparatus for recovering matter adhered to a host surface
[NASA-CASE-NPO-11213] c 15 N73-20514

ULTRASONIC CLEANING

- Acoustic tooth cleaner
[NASA-CASE-LAR-12471-1] c 52 N82-29862

ULTRASONIC FLAW DETECTION

- Length mode piezoelectric ultrasonic transducer for inspection of solid objects
[NASA-CASE-MSC-19672-1] c 38 N79-14398

ULTRASONIC RADIATION

- Ultrasonic biomedical measuring and recording apparatus — for recording motion of internal organs such as heart valves
[NASA-CASE-ARC-10597-1] c 52 N74-20726
Biomedical ultrasonoscope
[NASA-CASE-ARC-10994-1] c 52 N76-33835
Biomedical ultrasonoscope
[NASA-CASE-ARC-10994-2] c 52 N79-26771

ULTRASONIC TESTS

- Ultrasonic scanner for radial and flat panels
[NASA-CASE-MFS-20335-1] c 35 N74-10415
Ultrasonic scanning system for in-place inspection of brazed tube joints
[NASA-CASE-MFS-20767-1] c 38 N74-15130

- Method and apparatus for nondestructive testing — using high frequency arc discharges
[NASA-CASE-MFS-21233-1] c 38 N74-15395
- CW ultrasonic bolt tensioning monitor
[NASA-CASE-LAR-12016-1] c 39 N78-15512
- ULTRASONIC WAVE TRANSDUCERS**
Apparatus for recovering matter adhered to a host surface
[NASA-CASE-NPO-11213] c 15 N73-20514
- Ultrasonic bone densitometer
[NASA-CASE-MFS-20994-1] c 35 N75-12271
- Reference apparatus for medical ultrasonic transducer
[NASA-CASE-ARC-10753-1] c 54 N75-27760
- Ultrasonic calibration device — for producing changes in acoustic attenuation and phase velocity
[NASA-CASE-LAR-11435-1] c 35 N76-15432
- Coupling apparatus for ultrasonic medical diagnostic system
[NASA-CASE-NPO-13935-1] c 52 N79-14751
- CDS solid state phase insensitive ultrasonic transducer — annealing dadium sulfide crystals
[NASA-CASE-LAR-12304-1] c 35 N80-20559
- Liquid-immersible electrostatic ultrasonic transducer
[NASA-CASE-LAR-12465-1] c 33 N82-26572
- Ultrasonic transducer with Gaussian radial pressure distribution
[NASA-CASE-LAR-12967-1] c 35 N83-12397
- ULTRASONIC WELDING**
Ultrasonically bonded valve assembly
[NASA-CASE-NPO-13360-1] c 37 N75-25185
- ULTRASONICS**
Methods and apparatus employing vibratory energy for wrenching Patent
[NASA-CASE-MFS-20586] c 15 N71-17686
- Pseudo continuous wave instrument — ultrasonics
[NASA-CASE-LAR-12260-1] c 35 N79-10390
- Apparatus for disintegrating kidney stones
[NASA-CASE-GSC-12652-1] c 52 N82-26961
- ULTRAVIOLET FILTERS**
Ultraviolet filter
[NASA-CASE-XNP-02340] c 23 N69-24332
- Ultraviolet resonance lamp Patent
[NASA-CASE-ARC-10030] c 09 N71-12521
- ULTRAVIOLET LASERS**
Stabilization of He2(a 3 Sigma u+ molecules in liquid helium by optical pumping for vacuum UV laser 6
[NASA-CASE-NPO-13993-1] c 72 N79-13826
- ULTRAVIOLET RADIATION**
Alkali-metal silicate protective coating
[NASA-CASE-XGS-04119] c 18 N69-39979
- Ultraviolet resonance lamp Patent
[NASA-CASE-ARC-10030] c 09 N71-12521
- Leak detector wherein a probe is monitored with ultraviolet radiation Patent
[NASA-CASE-ERC-10034] c 15 N71-24896
- Phototropic composition of matter
[NASA-CASE-XGS-03736] c 14 N72-22443
- Transmitting and reflecting diffuser — for ultraviolet light
[NASA-CASE-LAR-10385-2] c 70 N74-13436
- Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-1] c 27 N74-21156
- Light shield and cooling apparatus — high intensity ultraviolet lamp
[NASA-CASE-LAR-10089-1] c 34 N74-23066
- Flame detector operable in presence of proton radiation
[NASA-CASE-MFS-21577-1] c 19 N74-29410
- Method and apparatus for generating coherent radiation in the ultra-violet region and above by use of distributed feedback
[NASA-CASE-NPO-13346-1] c 36 N76-29575
- Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-2] c 27 N76-32315
- Violet-violet process for producing flame resistant polyamides and products produced thereby — protective clothing for high oxygen environments
[NASA-CASE-MSC-16074-1] c 27 N80-26446
- ULTRAVIOLET REFLECTION**
Alkali metal silicate protective coating Patent
[NASA-CASE-XGS-04799] c 18 N71-24183
- Ultraviolet light reflective coating
[NASA-CASE-GSC-11786-1] c 24 N76-24363
- Transmitting and reflecting diffuser — using ultraviolet grade fused silica coatings
[NASA-CASE-LAR-10385-3] c 74 N78-15879
- ULTRAVIOLET SPECTRA**
Ultraviolet atomic emission detector
[NASA-CASE-HQN-10756-1] c 14 N72-25428
- Means and method for calibrating a photon detector utilizing electron-photon coincidence
[NASA-CASE-NPO-15644-1] c 72 N82-24953
- ULTRAVIOLET SPECTROMETERS**
Concave grating spectrometer Patent
[NASA-CASE-XGS-01036] c 14 N70-40003
- Telespectrograph Patent
[NASA-CASE-XLA-03273] c 14 N71-18699
- UMBILICAL CONNECTORS**
Umbilical separator for rockets Patent
[NASA-CASE-XNP-00425] c 11 N70-38202
- Umbilical disconnect Patent
[NASA-CASE-XLA-00711] c 03 N71-12258
- Remote controlled tubular disconnect Patent
[NASA-CASE-XLA-01396] c 03 N71-12259
- Serpentuator Patent
[NASA-CASE-XMF-05344] c 31 N71-16345
- Breakaway connector
[NASA-CASE-NPO-11140] c 15 N72-17455
- Quick disconnect coupling
[NASA-CASE-NPO-11202] c 15 N72-25450
- Deployable flexible tunnel
[NASA-CASE-MFS-22636-1] c 37 N76-22540
- High acceleration cable deployment system
[NASA-CASE-ARC-11256-1] c 15 N82-24272
- UMBILICAL TOWERS**
Emergency escape system Patent
[NASA-CASE-XKS-02342] c 05 N71-11199
- UNDERWATER ENGINEERING**
Ejectable underwater sound source recovery assembly
[NASA-CASE-LAR-10595-1] c 35 N74-16135
- Underwater seismic source — for petroleum exploration
[NASA-CASE-NPO-14255-1] c 46 N79-23555
- UNDERWATER TESTS**
Underwater space suit pressure control regulator
[NASA-CASE-MFS-20332] c 05 N72-20097
- Underwater space suit pressure control regulator
[NASA-CASE-MFS-20332-2] c 05 N73-25125
- UNIFORM FLOW**
Wind tunnel flow generation section
[NASA-CASE-ARC-10710-1] c 09 N75-12969
- UNIONS (CONNECTORS)**
Universal connectors for joining stingers
[NASA-CASE-LAR-12744-1] c 37 N81-31551
- Beam connector apparatus and assembly
[NASA-CASE-MFS-25134-1] c 31 N83-31895
- UNLOADING**
Bootstrap unloader Patent
[NASA-CASE-XNP-09768] c 09 N71-12516
- UNMANNED SPACECRAFT**
Material handling device Patent
[NASA-CASE-XNP-09770-3] c 11 N71-27036
- UP-CONVERTERS**
Method and apparatus for quadruphase-shift-key and linear phase modulation
[NASA-CASE-XNP-14444-1] c 33 N81-15192
- UPPER ATMOSPHERE**
Telespectrograph Patent
[NASA-CASE-XLA-03273] c 14 N71-18699
- Apparatus for sampling particulates in gases
[NASA-CASE-HQN-10037-1] c 14 N73-27376
- Rocket having barium release system to create ion clouds in the upper atmosphere
[NASA-CASE-LAR-10670-2] c 15 N74-27360
- Microwave limb sounder — measuring trace gases in the upper atmosphere
[NASA-CASE-NPO-14544-1] c 46 N82-12685
- URANIUM 235**
Isotope separation using metallic vapor lasers
[NASA-CASE-NPO-13550-1] c 36 N77-26477
- UREAS**
Aldehyde-containing urea-absorbing polysaccharides
[NASA-CASE-NPO-13620-1] c 27 N77-30236
- Dialysis system — using ion exchange resin membranes permeable to urea molecules
[NASA-CASE-NPO-14101-1] c 52 N80-14687
- Reverse osmosis membrane of high urea rejection properties — water purification
[NASA-CASE-ARC-10980-1] c 27 N80-23452
- URETHANES**
Viscoelastic cationic polymers containing the urethane linkage
[NASA-CASE-NPO-10830-1] c 27 N81-15104
- URINALYSIS**
Automated fluid chemical analyzer Patent
[NASA-CASE-XNP-09451] c 06 N71-26754
- Method of detecting and counting bacteria in body fluids
[NASA-CASE-GSC-11092-2] c 04 N73-27052
- Automatic instrument for chemical processing to detect microorganism in biological samples by measuring light reactions
[NASA-CASE-GSC-11169-2] c 05 N73-32011
- Determination of antimicrobial susceptibilities on infected urines without isolation
[NASA-CASE-GSC-12046-1] c 52 N79-14750
- URINATION**
Open type urine receptacle
[NASA-CASE-MSC-12324-1] c 05 N72-22093
- Urine collection device
[NASA-CASE-MSC-16433-1] c 52 N81-24711
- Urine collection apparatus — feminine hygiene
[NASA-CASE-MSC-18381-1] c 52 N81-28740
- URINE**
Urine collection device
[NASA-CASE-MSC-16433-1] c 52 N78-27750
- UROLOGY**
Urine collection device
[NASA-CASE-MSC-16433-1] c 52 N81-24711
- UTERUS**
Cervix-to-rectum measuring device in a radiation applicator for use in the treatment of cervical cancer
[NASA-CASE-GSC-12081-2] c 52 N82-22875
- UTILIZATION**
Hot melt recharge system
[NASA-CASE-LAR-12881-1] c 27 N82-26464
- V**
- V GROOVES**
Vee-notching device — with adjustable carriage
[NASA-CASE-MFS-20730-1] c 39 N74-13131
- Complementary DMOS-VMOS integrated circuit structure
[NASA-CASE-GSC-12190-1] c 33 N79-12321
- Rotary target V-block — aligning wind tunnel apparatus for optical measurement
[NASA-CASE-LAR-12007-2] c 74 N79-25876
- High voltage v-groove solar cell
[NASA-CASE-LEW-13401-2] c 44 N83-32177
- VACANCIES (CRYSTAL DEFECTS)**
Bimetallic junctions
[NASA-CASE-LEW-11573-1] c 26 N77-28265
- VACUUM**
Depositing semiconductor films utilizing a thermal gradient
[NASA-CASE-XKS-04614] c 15 N69-21460
- Superconducting magnet Patent
[NASA-CASE-XNP-06503] c 23 N71-29049
- Thermocouples of molybdenum and indium alloys for more stable vacuum-high temperature performance
[NASA-CASE-LEW-12174-2] c 35 N79-14346
- Bakeable McLeod gauge
[NASA-CASE-XGS-01293-1] c 35 N79-33450
- VACUUM APPARATUS**
Null-type vacuum microbalance Patent
[NASA-CASE-XAC-00472] c 15 N70-40180
- Evacuation port seal Patent
[NASA-CASE-XMF-03290] c 15 N71-23256
- Apparatus for testing polymeric materials Patent
[NASA-CASE-XNP-09699] c 06 N71-24607
- Trap for preventing diffusion pump backstreaming
[NASA-CASE-GSC-10518-1] c 15 N72-22489
- Inductance device with vacuum insulation
[NASA-CASE-LEW-10330-1] c 09 N72-27226
- Apparatus for producing metal powders
[NASA-CASE-XLE-06461-2] c 17 N72-28535
- Vacuum probe surface sampler
[NASA-CASE-LAR-10623-1] c 14 N73-30395
- Vacuum leak detector
[NASA-CASE-LAR-11237-1] c 35 N75-19612
- Apparatus for positioning modular components on a vertical or overhead surface
[NASA-CASE-LAR-11465-1] c 37 N76-21554
- Safety shield for vacuum/pressure chamber viewing port
[NASA-CASE-GSC-12513-1] c 31 N81-19343
- Head for high speed spinner having a vacuum chuck — holding silicon dioxide chips for etching
[NASA-CASE-NPO-15227-1] c 37 N81-33482
- Static continuous electrophoresis device
[NASA-CASE-MFS-25306-1] c 25 N83-13187
- Method and apparatus for supercooling and solidifying substances
[NASA-CASE-MFS-25242-1] c 35 N83-29650
- VACUUM CHAMBERS**
High-vacuum condenser tank for ion rocket tests Patent
[NASA-CASE-XLE-00168] c 11 N70-33278
- Split welding chamber Patent
[NASA-CASE-LEW-11531] c 15 N71-14932
- Space environmental work simulator Patent
[NASA-CASE-XMF-07488] c 11 N71-18773
- Pressure monitoring with a plurality of ionization gauges controlled at a central location Patent
[NASA-CASE-XLE-00787] c 14 N71-21090
- Device for measuring light scattering wherein the measuring beam is successively reflected between a pair of parallel reflectors Patent
[NASA-CASE-XER-11203] c 14 N71-28994
- Cryogenic feedthrough
[NASA-CASE-LAR-10031] c 15 N72-22484
- Altitude simulation chamber for rocket engine testing
[NASA-CASE-MFS-20620] c 11 N72-27262
- Evacuation valve
[NASA-CASE-LAR-10061-1] c 15 N72-31483

- Method and apparatus for determining the contents of contained gas samples
[NASA-CASE-GSC-10903-1] c 14 N73-12444
- Test stand system for vacuum chambers
[NASA-CASE-MFS-21362] c 11 N73-20267
- Atomic hydrogen storage --- cryotrapping and magnetic field strength
[NASA-CASE-LEW-12081-2] c 28 N80-20402
- Containerless high temperature calorimeter apparatus
[NASA-CASE-MFS-23923-1] c 35 N81-19426
- Hermetic seal for a shaft
[NASA-CASE-NPO-15115-1] c 37 N82-24493
- Method for sequentially processing a multi-level interconnect circuit in a vacuum chamber
[NASA-CASE-MFS-15670-1] c 33 N82-33634
- Sphere forming method and apparatus
[NASA-CASE-NPO-15070-1] c 31 N83-35176
- VACUUM DEPOSITION**
- A method for the deposition of beta-silicon carbide by isoeptalaxy
[NASA-CASE-ERC-10120] c 26 N69-33482
- Vacuum deposition apparatus Patent
[NASA-CASE-XMF-01667] c 15 N71-17647
- Evaporant source for vapor deposition Patent
[NASA-CASE-XMF-06065] c 15 N71-20395
- Vacuum evaporator with electromagnetic ion steering Patent
[NASA-CASE-NPO-10331] c 09 N71-26701
- Preparation of dielectric coating of variable dielectric constant by plasma polymerization
[NASA-CASE-ARC-10892-2] c 27 N79-14214
- Refractory coatings and method of producing the same
[NASA-CASE-LEW-13169-1] c 26 N82-29415
- VACUUM EFFECTS**
- High power RF coaxial switch
[NASA-CASE-NPO-14229-1] c 33 N80-18285
- VACUUM FURNACES**
- Apparatus for inserting and removing specimens from high temperature vacuum furnaces
[NASA-CASE-LAR-10841-1] c 31 N74-27900
- VACUUM GAGES**
- Thermopile vacuum gage tube simulator Patent
[NASA-CASE-XLA-02758] c 14 N71-18481
- Gauge calibration by diffusion
[NASA-CASE-XGS-07752] c 14 N73-30390
- Ultrahigh vacuum measuring ionization gauge
[NASA-CASE-XLA-05087] c 14 N73-30391
- In situ transfer standard for ultrahigh vacuum gage calibration
[NASA-CASE-LAR-10862-1] c 35 N74-15092
- VACUUM MELTING**
- High temperature furnace for melting materials in space
[NASA-CASE-MFS-20710] c 11 N72-23215
- High temperature acoustic levitator
[NASA-CASE-NPO-16022-1] c 71 N83-36847
- VACUUM PUMPS**
- Pressure control valve --- inflating flexible bladders
[NASA-CASE-ARC-11251-1] c 37 N81-17433
- VACUUM SYSTEMS**
- Shrink-fit gas valve Patent
[NASA-CASE-XGS-00587] c 15 N70-35087
- Cryogenic connector for vacuum use Patent
[NASA-CASE-XGS-02441] c 15 N70-41629
- Ionization vacuum gauge with all but the end of the ion collector shielded Patent
[NASA-CASE-XLA-07424] c 14 N71-18482
- Sorption vacuum trap Patent
[NASA-CASE-XER-09519] c 14 N71-18483
- Vacuum leak detector
[NASA-CASE-LAR-11237-1] c 35 N75-19612
- Ampoule sealing apparatus and process --- for housing a semiconductor growth charge under vacuum
[NASA-CASE-LAR-12847-1] c 33 N83-16633
- VACUUM TUBES**
- Integrated structure vacuum tube
[NASA-CASE-ARC-10445-1] c 31 N76-31365
- Method of purifying metallurgical grade silicon employing reduced pressure atmospheric control
[NASA-CASE-NPO-14474-1] c 26 N80-14229
- VALUE**
- High impact pressure regulator Patent
[NASA-CASE-NPO-10175] c 14 N71-18625
- VALVES**
- Valve actuator Patent
[NASA-CASE-XHQ-01208] c 15 N70-35409
- Fluid coupling Patent
[NASA-CASE-XLE-00397] c 15 N70-36492
- High pressure four-way valve Patent
[NASA-CASE-XNP-00214] c 15 N70-36908
- Reinforcing means for diaphragms Patent
[NASA-CASE-XNP-01962] c 32 N70-41370
- Multway vortex valve system Patent
[NASA-CASE-XMF-04709] c 15 N71-15609
- Multiple orifice throttle valve Patent
[NASA-CASE-XNP-09698] c 15 N71-18580
- High pressure air valve Patent
[NASA-CASE-MS-11010] c 15 N71-19485
- Valve seat with resilient support member Patent
[NASA-CASE-XKS-02582] c 15 N71-21234
- Positive locking check valve Patent
[NASA-CASE-XMS-09310] c 15 N71-22706
- Dual latching solenoid valve Patent
[NASA-CASE-XMS-05890] c 09 N71-23191
- Valve seat
[NASA-CASE-NPO-10606] c 15 N72-25451
- Evacuation valve
[NASA-CASE-LAR-10061-1] c 15 N72-31483
- Flow control valve --- for high temperature fluids
[NASA-CASE-NPO-11951-1] c 37 N74-21065
- Airlock
[NASA-CASE-MFS-20822-1] c 18 N74-22136
- Reciprocating engines
[NASA-CASE-MS-16239-1] c 37 N81-32510
- Prosthetic occlusive device for an internal passageway
[NASA-CASE-MFS-25640-1] c 52 N82-26962
- VANES**
- Solar vane actuator Patent
[NASA-CASE-XNP-05535] c 14 N71-23040
- Rotary vane attenuator wherein rotor has orthogonally disposed resistive and dielectric cards
[NASA-CASE-NPO-11418-1] c 14 N73-13420
- Amplified wind turbine apparatus
[NASA-CASE-MFS-23830-1] c 44 N82-24639
- Method of protecting a surface with a silicon-slurry/aluminide coating --- coatings for gas turbine engine blades and vanes
[NASA-CASE-LEW-13343-1] c 27 N82-28441
- VAPOR DEPOSITION**
- A method for the deposition of beta-silicon carbide by isoeptalaxy
[NASA-CASE-ERC-10120] c 26 N69-33482
- Apparatus for producing high purity silicon carbide crystals Patent
[NASA-CASE-XLA-02057] c 26 N70-40015
- Method of changing the conductivity of vapor deposited gallium arsenide by the introduction of water into the vapor deposition atmosphere Patent
[NASA-CASE-XNP-01961] c 26 N71-29156
- Tungsten contacts on silicon substrates
[NASA-CASE-GSC-10695-1] c 09 N72-25259
- Deposition apparatus
[NASA-CASE-LAR-10541-1] c 15 N72-32487
- Deposition of alloy films --- on irregularly shaped metal object
[NASA-CASE-LEW-11262-1] c 27 N74-13270
- System for depositing thin films
[NASA-CASE-MFS-20775-1] c 31 N75-12161
- Vapor deposition apparatus --- semiconductors and gallium arsenides
[NASA-CASE-HQN-10462] c 25 N75-29192
- Chemical vapor deposition reactor --- providing uniform film thickness
[NASA-CASE-NPO-13650-1] c 25 N79-28253
- VAPOR PHASES**
- Fluid dispensing apparatus and method Patent
[NASA-CASE-XLE-01182] c 27 N71-15635
- Simple method of making photovoltaic junctions Patent
[NASA-CASE-XNP-01960] c 09 N71-23027
- Fluid phase analyzer Patent
[NASA-CASE-NPO-10691] c 14 N71-26199
- Propellant mass distribution metering apparatus Patent
[NASA-CASE-NPO-10185] c 10 N71-26339
- VAPOR PRESSURE**
- Venting vapor apparatus Patent
[NASA-CASE-XLE-00288] c 15 N70-34247
- Vapor liquid separator Patent
[NASA-CASE-XMF-04042] c 15 N71-23023
- Method and apparatus for convection control of metallic halide vapor density in a metallic halide laser
[NASA-CASE-NPO-15021-1] c 36 N83-10417
- VAPOR TRAPS**
- Sorption vacuum trap Patent
[NASA-CASE-XER-09519] c 14 N71-18483
- VAPORIZERS**
- Boiler for generating high quality vapor Patent
[NASA-CASE-XLE-00785] c 33 N71-16104
- Particle analyzing method and apparatus
[NASA-CASE-NPO-15292-1] c 35 N83-27184
- VAPORIZING**
- Gas liquefaction and dispensing apparatus Patent
[NASA-CASE-NPO-10070] c 15 N71-27372
- Method for controlling vapor content of a gas
[NASA-CASE-NPO-10633] c 09 N72-28025
- VARACTOR DIODE CIRCUITS**
- Phase modulator Patent
[NASA-CASE-MS-13201-1] c 07 N71-28429
- VARACTOR DIODES**
- Varactor high level mixer
[NASA-CASE-XGS-02171] c 09 N69-24324
- Multiple varactor frequency doubler Patent
[NASA-CASE-XMF-04958-1] c 10 N71-26414
- Millimeter wave pumped parametric amplifier
[NASA-CASE-GSC-11617-1] c 33 N74-32660
- VARIABILITY**
- Variable speed drive
[NASA-CASE-GSC-12643-1] c 37 N83-26078
- VARIABLE CYCLE ENGINES**
- Dual cycle aircraft turbine engine
[NASA-CASE-LAR-11310-1] c 07 N77-28118
- Variable cycle gas turbine engines
[NASA-CASE-LEW-12916-1] c 37 N78-17384
- Variable mixer propulsion cycle
[NASA-CASE-LEW-12917-1] c 07 N78-18067
- VARIABLE GEOMETRY STRUCTURES**
- Landing arrangement for aerial vehicles Patent
[NASA-CASE-XLA-00142] c 02 N70-33286
- Variable geometry wind tunnels
[NASA-CASE-XLA-07430] c 11 N72-22246
- Aircraft engine nozzle
[NASA-CASE-ARC-10977-1] c 07 N80-32392
- VARIABLE PITCH PROPELLERS**
- Dual output variable pitch turbofan actuation system
[NASA-CASE-LEW-12419-1] c 07 N77-14025
- Impact absorbing blade mounts for variable pitch blades
[NASA-CASE-LEW-12313-1] c 37 N78-10468
- VARIABLE SWEEP WINGS**
- Variable sweep wing configuration Patent
[NASA-CASE-XLA-00230] c 02 N70-33255
- Variable sweep wing aircraft Patent
[NASA-CASE-XLA-00221] c 02 N70-33266
- Variable-span aircraft Patent
[NASA-CASE-XLA-00166] c 02 N70-34178
- Variable sweep aircraft wing Patent
[NASA-CASE-XLA-00350] c 02 N70-38011
- Variable sweep aircraft Patent
[NASA-CASE-XLA-03659] c 02 N71-11041
- Dual-fuselage aircraft having yawable wing and horizontal stabilizer
[NASA-CASE-ARC-10470-1] c 02 N73-26005
- VARIABLE THRUST**
- Variable thrust ion engine utilizing thermally decomposable solid fuel Patent
[NASA-CASE-XMF-00923] c 28 N70-36802
- Method for continuous variation of propellant flow and thrust in propulsive devices Patent
[NASA-CASE-XLE-00177] c 28 N70-40367
- Variable thrust nozzle for quiet turbofan engine and method of operating same
[NASA-CASE-LEW-12317-1] c 07 N78-17055
- VARIATIONS**
- Bidirectional step torque filter with zero backlash characteristic Patent
[NASA-CASE-XGS-04227] c 15 N71-21744
- VECTOR ANALYSIS**
- Two force component measuring device Patent
[NASA-CASE-XAC-04886-1] c 14 N71-20439
- VECTOCARDIOGRAPHY**
- Biomedical electrode arrangement Patent
[NASA-CASE-XFR-10856] c 05 N71-11189
- VEGETATION GROWTH**
- Rotary plant growth accelerating apparatus --- weightlessness
[NASA-CASE-ARC-10722-1] c 51 N75-25503
- Remote sensing of vegetation and soil using microwave ellipsometry
[NASA-CASE-GSC-11976-1] c 43 N78-10529
- Enhancement of in vitro guayule propagation
[NASA-CASE-NPO-15213-1] c 51 N83-17045
- VEHICLE WHEELS**
- Deformable vehicle wheel Patent
[NASA-CASE-MFS-20400] c 31 N71-18611
- Resilient wheel Patent
[NASA-CASE-MFS-13929] c 15 N71-27091
- Omnidirectional wheel
[NASA-CASE-MFS-21309-1] c 37 N74-18125
- Two speed drive system --- mechanical device for changing speed on rotating vehicle wheel
[NASA-CASE-MFS-20645-1] c 37 N74-23070
- Fifth wheel
[NASA-CASE-FRC-10081-1] c 37 N77-14477
- Improved tire/wheel concept --- pneumatic aircraft tire
[NASA-CASE-LAR-11695-2] c 37 N80-18402
- Tire/wheel concept
[NASA-CASE-LAR-11695-2] c 37 N81-24443
- Suspension system for a wheel rolling on a flat track --- bearings for directional antennas
[NASA-CASE-NPO-14395-1] c 37 N82-21587
- VEHICLES**
- Magnetic suspension and pointing system
[NASA-CASE-LAR-11889-2] c 37 N78-27424

VEHICULAR TRACKS

- Suspension system for a wheel rolling on a flat track
--- bearings for directional antennas
[NASA-CASE-NPO-14395-1] c 37 N82-21587

VELOCITY

- Velocity limiting safety system Patent
[NASA-CASE-XLA-07473] c 15 N71-24895

VELOCITY COUPLING

- Coupled cavity traveling wave tube with velocity tapering
[NASA-CASE-LEW-12296-1] c 33 N82-26568

VELOCITY MEASUREMENT

- Micrometeoroid velocity measuring device Patent
[NASA-CASE-XLA-00495] c 14 N70-41332
Superconductive accelerometer Patent
[NASA-CASE-XMF-01099] c 14 N71-15969
Gravimeter Patent
[NASA-CASE-XMF-05844] c 14 N71-17587
Laser Doppler system for measuring three dimensional vector velocity Patent
[NASA-CASE-MFS-20386] c 21 N71-19212
Particle detection apparatus including a ballistic pendulum Patent
[NASA-CASE-XMS-04201] c 14 N71-22990
Angular velocity and acceleration measuring apparatus
[NASA-CASE-ERC-10292] c 14 N72-25410
Flow velocity and directional instrument
[NASA-CASE-LAR-10855-1] c 14 N73-13415
Doppler shift system --- system for measuring velocities of radiating particles
[NASA-CASE-HQN-10740-1] c 72 N74-19310
Tachometer
[NASA-CASE-MFS-23175-1] c 35 N77-30436
Velocity measurement system
[NASA-CASE-MFS-23363-1] c 35 N78-32396
Fluid velocity measuring device
[NASA-CASE-LAR-11729-1] c 34 N79-12359
Air speed and attitude probe
[NASA-CASE-FRC-11009-1] c 06 N80-18036
Method and apparatus for Delta K synthetic aperture radar measurement of ocean current
[NASA-CASE-NPO-15704-1] c 32 N82-28502

VELOCITY MODULATION

- Molecular beam velocity selector Patent
[NASA-CASE-XLE-01533] c 11 N71-10777
Apparatus for controlling the velocity of an electromechanical drive for interferometers and the like Patent
[NASA-CASE-XGS-03532] c 14 N71-17627
Coupled cavity traveling wave tube with velocity tapering
[NASA-CASE-LEW-12296-1] c 33 N80-19425

VENTILATION

- Protective garment ventilation system
[NASA-CASE-XMS-04928] c 54 N78-17679
Low-drag ground vehicle particularly suited for use in safely transporting livestock
[NASA-CASE-FRC-11058-1] c 85 N82-33288

VENTILATORS

- Heat sterilizable patient ventilator
[NASA-CASE-NPO-13313-1] c 54 N75-27761

VENTING

- Venting vapor apparatus Patent
[NASA-CASE-XLE-00288] c 15 N70-34247
Liquid storage tank venting device for zero gravity environment Patent
[NASA-CASE-XLE-01449] c 15 N70-41646
Valve seat with resilient support member Patent
[NASA-CASE-XKS-02582] c 15 N71-21234
Venting device for pressurized space suit helmet Patent
[NASA-CASE-XMS-09652-1] c 05 N71-26333
Solid propellant rocket motor
[NASA-CASE-XNP-03282] c 28 N72-20758

VENUS (PLANET)

- Space simulator Patent
[NASA-CASE-XNP-00459] c 11 N70-38675

VERTICAL FLIGHT

- Aircraft instrument Patent
[NASA-CASE-XLA-00487] c 14 N70-40157

VERTICAL LANDING

- Landing gear Patent
[NASA-CASE-XMF-01174] c 02 N70-41589

VERTICAL ORIENTATION

- Vertical shaft windmill
[NASA-CASE-LAR-12923-1] c 44 N82-29713

VERTICAL TAKEOFF AIRCRAFT

- Mechanical stability augmentation system Patent
[NASA-CASE-XLA-06339] c 02 N71-13422
Attitude controls for VTOL aircraft Patent
[NASA-CASE-XAC-08972] c 02 N71-20570

VERY HIGH FREQUENCIES

- VHF/UHF parasitic probe antenna Patent
[NASA-CASE-XKS-09340] c 07 N71-24614

VERY LONG BASE INTERFEROMETRY

- System for real-time crustal deformation monitoring
[NASA-CASE-NPO-14124-1] c 46 N80-14603

VESTS

- Life preserver Patent
[NASA-CASE-XMS-00864] c 05 N70-36493

VIBRATION

- Passive caging mechanism Patent
[NASA-CASE-GSC-10308-1] c 15 N71-24694
Active vibration isolator for flexible bodies Patent
[NASA-CASE-LAR-10106-1] c 15 N71-27169

VIBRATION DAMPING

- Viscous pendulum damper Patent
[NASA-CASE-LAR-10274-1] c 14 N71-17626
Digital filter for reducing sampling jitter in digital control systems Patent
[NASA-CASE-NPO-11088] c 08 N71-29034
Turbo-machine blade vibration damper Patent
[NASA-CASE-XLE-00155] c 28 N71-29154
Active notch filter network with variable notch depth, width and frequency
[NASA-CASE-FRC-11055-1] c 33 N80-29583
Arrangement for damping the resonance in a laser diode
[NASA-CASE-NPO-15980-1] c 36 N82-28618
Variable force, eddy-current or magnetic damper
[NASA-CASE-LEW-13717-1] c 39 N83-20284

VIBRATION EFFECTS

- Thermal detector of electromagnetic energy by means of a vibrating electrode Patent
[NASA-CASE-XAC-10768] c 09 N71-18830
Apparatus for recovering matter adhered to a host surface
[NASA-CASE-NPO-11213] c 15 N73-20514
Spherical bearing --- to reduce vibration effects
[NASA-CASE-MFS-23447-1] c 37 N79-11404

VIBRATION ISOLATORS

- Variable stiffness polymeric damper
[NASA-CASE-XAC-11225] c 14 N69-27486
Miniature vibration isolator Patent
[NASA-CASE-XLA-01019] c 15 N70-40156
Vibration damping system Patent
[NASA-CASE-XMS-01620] c 23 N71-15673
Hermetic sealed vibration damper Patent
[NASA-CASE-MSC-10959] c 15 N71-26243
Dynamic vibration absorber Patent
[NASA-CASE-LAR-10083-1] c 15 N71-27006
Vibration isolation system using compression springs
[NASA-CASE-NPO-11012] c 15 N72-11391
Thrust-isolating mounting --- characteristics of support for loads mounted in spacecraft
[NASA-CASE-MFS-21680-1] c 18 N74-27397
Shock absorbing mount for electrical components
[NASA-CASE-NPO-13253-1] c 37 N75-18573
Thermal insulation attaching means --- adhesive bonding of felt vibration insulators under ceramic tiles
[NASA-CASE-MSC-12619-2] c 27 N79-12221
Shock isolator for operating a diode laser on a closed-cycle refrigerator
[NASA-CASE-GSC-12297-1] c 37 N79-28549
Decoupler pylon wing/store flutter suppressor
[NASA-CASE-LAR-12468-1] c 08 N82-32373
Vibration isolation and pressure compensation apparatus for sensitive instrumentation
[NASA-CASE-LAR-12728-1] c 35 N83-32026

VIBRATION MEASUREMENT

- Method and apparatus for measuring the damping characteristics of a structure
[NASA-CASE-ARC-10154-1] c 14 N72-22440
Method and apparatus for vibration analysis utilizing the Mossbauer effect
[NASA-CASE-XMF-05882] c 35 N75-27329
Displacement probes with self-contained exciting medium
[NASA-CASE-LAR-11690-1] c 35 N80-14371
Ride quality meter
[NASA-CASE-LAR-12882-1] c 54 N81-31848

VIBRATION METERS

- Fiber optic vibration transducer and analyzer Patent
[NASA-CASE-XMF-02433] c 14 N71-10616

VIBRATION MODE

- Ride quality meter
[NASA-CASE-LAR-12882-1] c 54 N81-31848

VIBRATION MODE

- Function generator for synthesizing complex vibration mode patterns
[NASA-CASE-LAR-10310-1] c 10 N73-20253

VIBRATION SIMULATORS

- Apparatus for vibrational testing of articles
[NASA-CASE-GSC-11302-1] c 14 N73-13416

VIBRATION TESTS

- Peak acceleration limiter for vibrational tester Patent
[NASA-CASE-NPO-10556] c 14 N71-27185
Fixture for supporting articles during vibration tests
[NASA-CASE-MFS-20523] c 14 N72-27412
Apparatus for vibrational testing of articles
[NASA-CASE-GSC-11302-1] c 14 N73-13416

- Multi axes vibration fixtures
[NASA-CASE-MFS-20242] c 14 N73-19421
Aeroelastic instability stoppers for wind tunnel models
[NASA-CASE-LAR-12458-1] c 44 N83-21503

VIBRATIONAL SPECTRA

- Dynamic vibration absorber Patent
[NASA-CASE-LAR-10083-1] c 15 N71-27006

VIBRATORY LOADS

- Rotor blade with passive tuned tab
[NASA-CASE-ARC-11444-1] c 02 N83-25663

VIDEO COMMUNICATION

- Means for generating a sync signal in an FM communication system Patent
[NASA-CASE-XNP-10830] c 07 N71-11281
Reduced bandwidth video communication system utilizing sampling techniques Patent
[NASA-CASE-XNP-02791] c 07 N71-23026
Video communication system and apparatus Patent
[NASA-CASE-XNP-06611] c 07 N71-26102
Sampling video compression system
[NASA-CASE-ARC-10984-1] c 32 N77-24329

VIDEO DATA

- Digital television camera control system Patent
[NASA-CASE-XNP-01472] c 14 N70-41807
Transient video signal recording with expanded playback Patent
[NASA-CASE-ARC-10003-1] c 09 N71-25866
Facsimile video remodulation network
[NASA-CASE-GSC-10185-1] c 07 N72-12081
Dual digital video switcher
[NASA-CASE-KSC-10782-1] c 33 N75-30431
Programmable scan/read circuitry for charge coupled device imaging detectors --- for a startracker
[NASA-CASE-NPO-15345-1] c 33 N81-27403

VIDEO EQUIPMENT

- Television signal processing system Patent
[NASA-CASE-NPO-10140] c 07 N71-24742
Video sync processor Patent
[NASA-CASE-KSC-10002] c 10 N71-25865
Video communication system and apparatus Patent
[NASA-CASE-XNP-06611] c 07 N71-26102
Video signal enhancement system with dynamic range compression and modulation index expansion Patent
[NASA-CASE-NPO-10343] c 07 N71-27341
Broadband video process with very high input impedance
[NASA-CASE-NPO-10199] c 09 N72-17156
Electronic video editor
[NASA-CASE-KSC-10003] c 10 N73-13235
Scan converting video tape recorder
[NASA-CASE-NPO-10166-1] c 07 N73-22076
Scan converting video tape recorder
[NASA-CASE-NPO-10166-2] c 35 N76-16391
Stack plume visualization system
[NASA-CASE-LAR-11675-1] c 45 N76-17656
Television camera video level control system --- space shuttle orbiters
[NASA-CASE-MSC-18578-1] c 74 N82-27121

VIDICONS

- Method of erasing target material of a vidicon tube or the like Patent
[NASA-CASE-XNP-06028] c 09 N71-23189
Material handling device Patent
[NASA-CASE-XNP-09770-3] c 11 N71-27036

VIEWING

- Real-time 3D X-ray and gamma-ray viewer
[NASA-CASE-GSC-12640-1] c 74 N82-10862

VINYL POLYMERS

- Method of using photovoltaic cell using poly-N-vinylcarbazole complex Patent
[NASA-CASE-NPO-10373] c 03 N71-18698
Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MSC-14903-1] c 27 N78-32256
Compound oxidized styrylphosphine --- flame resistant vinyl polymers
[NASA-CASE-MSC-14903-2] c 27 N80-10358
Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MSC-14903-3] c 27 N80-24438

VINYLIDENE

- Dicyanocetylene polymers Patent
[NASA-CASE-XNP-03250] c 06 N71-23500

VIRUSES

- Water system virus detection
[NASA-CASE-MSC-16098-1] c 51 N79-10693

VISCOELASTICITY

- Resilience testing device Patent
[NASA-CASE-XLA-08254] c 14 N71-26161
Parallel-plate viscometer with double diaphragm suspension
[NASA-CASE-NPO-11387] c 14 N73-14429
Shock absorbing mount for electrical components
[NASA-CASE-NPO-13253-1] c 37 N75-18573
Viscoelastic cationic polymers containing the urethane linkage
[NASA-CASE-NPO-10830-1] c 27 N81-15104

VISCOMETERS

- Parallel plate viscometer Patent
[NASA-CASE-XNP-09462] c 14 N71-17584
Parallel-plate viscometer with double diaphragm suspension
[NASA-CASE-NPO-11387] c 14 N73-14429

VISCOSITY

- Low viscosity magnetic fluid obtained by the colloidal suspension of magnetic particles Patent
[NASA-CASE-XLE-01512] c 12 N70-40124
Viscosity measuring instrument
[NASA-CASE-NPO-14501-1] c 35 N80-18357

VISCOS DAMPING

- Variable stiffness polymenc damper
[NASA-CASE-XAC-11225] c 14 N69-27486
Viscous pendulum-damper Patent
[NASA-CASE-XLA-02079] c 12 N71-16894
Viscous pendulum damper Patent
[NASA-CASE-LAR-10274-1] c 14 N71-17626
Multiple plate hydrostatic viscous damper
[NASA-CASE-LEW-12445-1] c 37 N81-22360

VISIBILITY

- Controlled visibility device for an aircraft Patent
[NASA-CASE-XFR-04147] c 11 N71-10748
Reusable captive blind fastener
[NASA-CASE-MSC-18742-1] c 37 N82-26673

VISIBILITY SPECTRUM

- Spectrally balanced chromatic landing approach lighting system
[NASA-CASE-ARC-10990-1] c 04 N82-16059

VISORS

- Anti-fog composition -- for prevention of fogging on surfaces such as space helmet visors and windshields
[NASA-CASE-MSC-13530-2] c 23 N75-14834

VISUAL ACUITY

- Multiparameter vision testing apparatus
[NASA-CASE-MSC-13601-2] c 54 N75-27759

VISUAL CONTROL

- Visual target for retrofire attitude control
[NASA-CASE-XMS-12158-1] c 31 N69-27499
Spectrally balanced chromatic landing approach lighting system
[NASA-CASE-ARC-10990-1] c 04 N82-16059

VISUAL FIELDS

- Visual examination apparatus
[NASA-CASE-ARC-10329-1] c 05 N73-26072
Visual examination apparatus
[US-PATENT-RE-28,921] c 52 N76-30793
Binocular device for displaying numerical information in field of view
[NASA-CASE-LAR-11782-1] c 74 N77-20882

VISUAL OBSERVATION

- Automatic visual inspection system for microelectronics
[NASA-CASE-NPO-13282] c 38 N78-17396

VISUAL PERCEPTION

- Liquid flow sight assembly Patent
[NASA-CASE-XLE-02998] c 14 N70-42074

VISUAL STIMULI

- Reaction tester
[NASA-CASE-MSC-13604-1] c 05 N73-13114

VOICE COMMUNICATION

- Position location system and method Patent
[NASA-CASE-GSC-10087-2] c 21 N71-13958
Satellite communication system and method Patent
[NASA-CASE-GSC-10118-1] c 07 N71-24621
Protective suit having an audio transceiver Patent
[NASA-CASE-KSC-10164] c 07 N71-33108
Technique for recovery of voice data from heat damaged magnetic tape
[NASA-CASE-MSC-14219-1] c 32 N74-27612
Filtering device -- removing electromagnetic noise from voice communication signals
[NASA-CASE-MFS-22729-1] c 32 N76-21366
Real time analysis of voiced sounds
[NASA-CASE-NPO-13465-1] c 32 N76-31372
Satellite personal communications system
[NASA-CASE-NPO-14480-1] c 32 N80-20448

VOICE DATA PROCESSING

- Digital communication system
[NASA-CASE-MSC-13912-1] c 32 N74-30524

VOLATILITY

- Apparatus for testing polymenc materials Patent
[NASA-CASE-XNP-09699] c 06 N71-24607

VOLT-AMPERE CHARACTERISTICS

- Voltage-current characteristic simulator Patent
[NASA-CASE-XMS-01554] c 10 N71-10578
The dc-to-dc converters employing staggered-phase power switches with two-loop control
[NASA-CASE-NPO-13512-1] c 33 N77-10428
Apparatus including a plurality of spaced transformers for locating short circuits in cables
[NASA-CASE-KSC-10899-1] c 33 N79-18193

VOLTAGE AMPLIFIERS

- Electronic amplifier with power supply switching Patent
[NASA-CASE-XMS-00945] c 09 N71-10798
Bootstrap unloader Patent
[NASA-CASE-XNP-09768] c 09 N71-12516
Active RC networks
[NASA-CASE-ARC-10020] c 10 N72-17172
Wide range analog-to-digital converter with a variable gain amplifier
[NASA-CASE-NPO-11018] c 08 N72-21200
Voltage feed through apparatus having reduced partial discharge
[NASA-CASE-GSC-12347-1] c 33 N80-18286

VOLTAGE CONTROLLED OSCILLATORS

- Pulsed phase locked loop strain monitor -- voltage controlled oscillators
[NASA-CASE-LAR-12772-1] c 33 N83-16626
Automatic oscillator frequency control system
[NASA-CASE-GSC-12804-1] c 33 N83-35228

VOLTAGE CONVERTERS (DC TO DC)

- Regulated dc-to-dc converter for voltage step-up or step-down with input-output isolation
[NASA-CASE-HQN-10792-1] c 33 N74-11049
The dc-to-dc converters employing staggered-phase power switches with two-loop control
[NASA-CASE-NPO-13512-1] c 33 N77-10428
Inrush current limiter
[NASA-CASE-GSC-11789-1] c 33 N77-14333
Phase substitution of spare converter for a failed one of parallel phase staggered converters
[NASA-CASE-NPO-13812-1] c 33 N77-30365
Regulated high efficiency, lightweight capacitor-diode multiplier dc to dc converter
[NASA-CASE-LEW-12791-1] c 33 N78-32341
Buck/boost regulator
[NASA-CASE-GSC-12360-1] c 33 N81-19392
Elimination of current spikes in buck power converters
[NASA-CASE-NPO-14505-1] c 33 N81-19393
Push-pull converter with energy saving circuit for protecting switching transistors from peak power stress
[NASA-CASE-NPO-14316-1] c 33 N81-33404
Power converter
[NASA-CASE-FRC-11014-1] c 33 N82-18494
Simplified dc to dc converter
[NASA-CASE-LEW-13495-1] c 33 N82-24432
A dc to dc converter -- raising battery voltage in an ion propulsion system
[NASA-CASE-MFS-25430-1] c 33 N82-28550

VOLTAGE GENERATORS

- Pulsed energy power system Patent
[NASA-CASE-MSC-13112] c 03 N71-11057
Telemeter adaptable for implanting in an animal Patent
[NASA-CASE-XAC-05706] c 05 N71-12342
Multiple slope sweep generator Patent
[NASA-CASE-XMS-03542] c 09 N71-28926
Controllable load insensitive power converters
[NASA-CASE-ERC-10268] c 09 N72-25252
Driver for solar cell I-V characteristic plots
[NASA-CASE-NPO-14096-1] c 44 N80-18551
Adaptive reference voltage generator for firing angle control of line-commutated inverters
[NASA-CASE-MFS-25215-1] c 33 N83-31953

VOLTAGE REGULATORS

- Regulated dc to dc converter
[NASA-CASE-XGS-03429] c 03 N69-21330
Power control circuit
[NASA-CASE-XNP-02713] c 10 N69-39888
Amplifier drift tester
[NASA-CASE-XMS-05562-1] c 09 N69-39986
Bus voltage compensation circuit for controlling direct current motor
[NASA-CASE-XMS-04215-1] c 09 N69-39987
Regulated power supply Patent
[NASA-CASE-XMS-01991] c 09 N71-21449
High voltage divider system Patent
[NASA-CASE-XLE-02008] c 09 N71-21583
Power supply circuit Patent
[NASA-CASE-XMS-00913] c 10 N71-23543
Voltage to frequency converter Patent
[NASA-CASE-GSC-10022-1] c 10 N71-25882
Buck boost voltage regulation circuit Patent
[NASA-CASE-GSC-10735-1] c 10 N71-26085
Automatic signal range selector for metering devices Patent
[NASA-CASE-XMS-06497] c 14 N71-26244
Voltage regulator with plural parallel power source sections Patent
[NASA-CASE-GSC-10891-1] c 10 N71-26626
Maximum power point tracker Patent
[NASA-CASE-GSC-10376-1] c 14 N71-27407
High power microwave power divider Patent
[NASA-CASE-NPO-11031] c 07 N71-33606
Reference voltage switching unit
[NASA-CASE-NPO-11253] c 09 N72-17157

- Switching regulator
[NASA-CASE-LEW-11005-1] c 09 N72-21243
Controllable load insensitive power converters
[NASA-CASE-ERC-10268] c 09 N72-25252
Regulated dc-to-dc converter for voltage step-up or step-down with input-output isolation
[NASA-CASE-HQN-10792-1] c 33 N74-11049
Overvoltage protection network
[NASA-CASE-ARC-10197-1] c 33 N74-17929
Low distortion automatic phase control circuit -- voltage controlled phase shifter
[NASA-CASE-MFS-21671-1] c 33 N74-22885
Voltage monitoring system
[NASA-CASE-KSC-10736-1] c 33 N75-19521
Transformer regulated self-stabilizing chopper
[NASA-CASE-XGS-09186] c 33 N78-17295
Voltage regulator for battery power source -- using a bipolar transistor
[NASA-CASE-FRC-10116-1] c 33 N79-23345
Buck/boost regulator
[NASA-CASE-GSC-12360-1] c 33 N81-19392
Motor power factor controller with a reduced voltage starter
[NASA-CASE-MFS-25586-1] c 33 N82-11360
Pulse switching for high energy lasers
[NASA-CASE-NPO-14556-1] c 33 N82-24418

VOLTMETERS

- Voltage monitoring system
[NASA-CASE-KSC-10736-1] c 33 N75-19521

VOLUMETRIC ANALYSIS

- Volumetric direct nuclear pumped laser
[NASA-CASE-LAR-12183-1] c 36 N79-18307

VOMITING

- Venting device for pressurized space suit helmet Patent
[NASA-CASE-XMS-09652-1] c 05 N71-26333

VORTEX BREAKDOWN

- Wingtip vortex dissipator for aircraft
[NASA-CASE-LAR-11645-1] c 02 N77-10001

VORTEX FLAPS

- Leading edge vortex flaps for drag reduction -- during subsonic flight
[NASA-CASE-LAR-12750-1] c 02 N81-19016
Leading edge flap system for aircraft control augmentation
[NASA-CASE-LAR-12787-1] c 05 N82-25240

VORTEX GENERATORS

- Multway vortex valve system Patent
[NASA-CASE-XMF-04709] c 15 N71-15609
Vortex generator for controlling the dispersion of effluents in a flowing liquid
[NASA-CASE-LAR-12045-1] c 34 N77-24423
Wingtip vortex turbine
[NASA-CASE-LAR-12544-1] c 07 N81-27096

VORTICES

- Vortex-lift roll-control device
[NASA-CASE-LAR-11868-2] c 08 N79-14108
Pumped vortex
[NASA-CASE-LAR-12615-1] c 02 N83-19715

VULCANIZING

- Method for compression molding of thermosetting plastics utilizing a temperature gradient across the plastic to cure the article
[NASA-CASE-LAR-10489-1] c 31 N74-18124

W

WAFERS

- Apparatus and method for separating a semiconductor wafer Patent
[NASA-CASE-ERC-10138] c 26 N71-14354
Apparatus for use in examining the lattice of a semiconductor wafer by X-ray diffraction
[NASA-CASE-MFS-23315-1] c 76 N78-24950
System for slicing silicon wafers
[NASA-CASE-NPO-14406-1] c 37 N80-29703
Scriber for silicon wafers
[NASA-CASE-NPO-15539-1] c 37 N82-11469
Imaging X-ray spectrometer
[NASA-CASE-GSC-12682-1] c 35 N82-26629
Improved ingot slicing machine
[NASA-CASE-NPO-15483-1] c 37 N82-28642
Method of fabricating Schottky Barrier solar cell
[NASA-CASE-NPO-13689-4] c 44 N82-28780
Method of making a high voltage V-groove solar cell
[NASA-CASE-LEW-13401-1] c 44 N82-29709
High voltage planar multijunction solar cell
[NASA-CASE-LEW-13400-1] c 44 N82-31764
Method for sequentially processing a multi-level interconnect circuit in a vacuum chamber
[NASA-CASE-MFS-15670-1] c 33 N82-33634
High voltage V-groove solar cell
[NASA-CASE-LEW-13401-2] c 44 N83-32177

- Method of increasing minority carrier lifetime in silicon web or the like
[NASA-CASE-NPO-15530-1] c 76 N83-35888
- WALL TEMPERATURE**
Method of making apparatus for sensing temperature
[NASA-CASE-XLE-05230-2] c 14 N73-13417
Structural heat pipe --- for spacecraft wall thermal insulation system
[NASA-CASE-GSC-11619-1] c 34 N75-12222
Thermal control canister
[NASA-CASE-GSC-12253-1] c 34 N79-31523
Curved film cooling admission tube
[NASA-CASE-LEW-13174-1] c 34 N83-27144
- WALLS**
Formed metal ribbon wrap Patent
[NASA-CASE-XLE-00164] c 15 N70-36411
- WANKEL ENGINES**
Real time pressure signal system for a rotary engine
[NASA-CASE-LEW-13622-1] c 07 N82-26294
- WARNING SYSTEMS**
Out of tolerance warning alarm system for plurality of monitored circuits Patent
[NASA-CASE-XMS-10984-1] c 10 N71-19417
Unsaturating saturable core transformer Patent
[NASA-CASE-ERC-10125] c 09 N71-24893
Electrical apparatus for detection of thermal decomposition of insulation Patent
[NASA-CASE-XMF-03968] c 14 N71-27186
Combustion products generating and metering device
[NASA-CASE-GSC-11095-1] c 14 N72-10375
Stacked array of omnidirectional antennas
[NASA-CASE-LAR-10545-1] c 09 N72-21244
Display research collision warning system
[NASA-CASE-HQN-10703] c 21 N73-13643
System for indicating direction of intruder aircraft
[NASA-CASE-ERC-10226-1] c 14 N73-16483
Silent emergency alarm system for schools and the like
[NASA-CASE-NPO-11307-1] c 10 N73-30205
Apparatus for aiding a pilot in avoiding a midair collision between aircraft
[NASA-CASE-LAR-10717-1] c 21 N73-30641
Inverter ratio failure detector
[NASA-CASE-NPO-13160-1] c 35 N74-18090
Hearing aid malfunction detection system
[NASA-CASE-MSC-14916-1] c 33 N78-10375
Automatic communication signal monitoring system
[NASA-CASE-NPO-13941-1] c 32 N79-10262
Passive intrusion detection system
[NASA-CASE-NPO-13804-1] c 33 N80-23559
Scanning seismic intrusion detection method and apparatus --- monitoring unwanted subterranean entry and departure
[NASA-CASE-ARC-11317-1] c 35 N83-34272
- WASHING**
Method of neutralizing the corrosive surface of amine-cured epoxy resins
[NASA-CASE-GSC-12686-1] c 27 N83-34039
- WASTE DISPOSAL**
Relief container
[NASA-CASE-XMS-06761] c 05 N69-23192
An airlock
[NASA-CASE-MFS-20922] c 31 N72-20840
Liquid waste feed system
[NASA-CASE-LAR-10365-1] c 05 N72-27102
Reduced gravity fecal collector seat and urnal
[NASA-CASE-MFS-22102-1] c 54 N74-20725
Airlock
[NASA-CASE-MFS-20922-1] c 18 N74-22136
Automatic liquid inventory collecting and dispensing unit
[NASA-CASE-LAR-11071-1] c 35 N75-19611
Automatic bio waste sampling
[NASA-CASE-MSC-14640-1] c 54 N76-14804
Absorbent product and articles made therefrom
[NASA-CASE-MSC-18223-2] c 32 N82-26960
- WASTE ENERGY UTILIZATION**
Automotive absorption air conditioner utilizing solar and motor waste heat
[NASA-CASE-NPO-15183-1] c 44 N82-26776
Apparatus for improving the fuel efficiency of a gas turbine engine
[NASA-CASE-LEW-13142-1] c 07 N83-36029
- WASTE UTILIZATION**
Simultaneous treatment of SO₂ containing stack gases and waste water
[NASA-CASE-MSC-16258-1] c 45 N79-12584
- WASTE WATER**
Water system virus detection
[NASA-CASE-MSC-16098-1] c 51 N79-10693
Process for purification of waste water produced by a Kraft process pulp and paper mill
[NASA-CASE-NPO-13847-2] c 85 N79-17747
Method for treating wastewater using microorganisms and vascular aquatic plants
[NASA-CASE-NSTL-10-1] c 25 N82-25335
- WATER**
High power-high voltage waterload Patent
[NASA-CASE-XNP-05381] c 09 N71-20842
Procedure and apparatus for determination of water in nitrogen tetroxide
[NASA-CASE-NPO-10234] c 06 N72-17094
Hydrogen rich gas generator
[NASA-CASE-NPO-13342-1] c 37 N76-16446
Solar hydrogen generator
[NASA-CASE-LAR-11361-1] c 44 N77-22607
Remote water monitoring system
[NASA-CASE-LAR-11973-1] c 35 N78-27384
Solar photolysis of water
[NASA-CASE-NPO-14126-1] c 44 N79-11470
- WATER FLOW**
Potable water dispenser
[NASA-CASE-MFS-21115-1] c 54 N74-12779
- WATER INJECTION**
Reentry communication by material addition Patent
[NASA-CASE-XLA-01552] c 07 N71-11284
Self-charging metering and dispensing device for fluids
[NASA-CASE-MSC-20275-1] c 35 N83-17856
- WATER LANDING**
Vehicle parachute and equipment jettison system Patent
[NASA-CASE-XLA-00195] c 02 N70-38009
Emergency earth orbital escape device
[NASA-CASE-MSC-13281] c 31 N72-18859
- WATER MANAGEMENT**
Water management system and an electrolytic cell therefor Patent
[NASA-CASE-MSC-10960-1] c 03 N71-24718
Solar-powered pump
[NASA-CASE-NPO-13567-1] c 44 N76-29701
- WATER POLLUTION**
Compact solar still Patent
[NASA-CASE-XMS-04533] c 15 N71-23086
Bacterial contamination monitor
[NASA-CASE-GSC-10879-1] c 14 N72-25413
Method and automated apparatus for detecting coliform organisms
[NASA-CASE-MSC-16777-1] c 51 N80-27067
- WATER QUALITY**
Fluid sample collection and distribution system --- qualitative analysis of aqueous samples from several points
[NASA-CASE-MSC-16841-1] c 34 N79-24285
Saltless solar pond
[NASA-CASE-NPO-15808-1] c 44 N82-29714
Rapid, quantitative determination of bacteria in water --- adenosine triphosphate
[NASA-CASE-GSC-12158-1] c 51 N83-27569
Method for detecting coliform organisms
[NASA-CASE-ARC-11322-1] c 51 N83-28849
- WATER RECLAMATION**
Recovery of potable water from human wastes in below-G conditions Patent
[NASA-CASE-XLA-03213] c 05 N71-11207
Water system virus detection
[NASA-CASE-MSC-16098-1] c 51 N79-10693
Water separator
[NASA-CASE-XMS-01295-1] c 37 N79-21345
- WATER RESOURCES**
Radar target for remotely sensing hydrological phenomena
[NASA-CASE-LAR-12344-1] c 43 N80-18498
- WATER TEMPERATURE**
Differential temperature transducer Patent
[NASA-CASE-XAC-00812] c 14 N71-15598
- WATER TREATMENT**
Water management system and an electrolytic cell therefor Patent
[NASA-CASE-MSC-10960-1] c 03 N71-24718
Method of preparing water purification membranes --- polymerization of allyl amine as thin films in plasma discharge
[NASA-CASE-ARC-10643-1] c 25 N75-12087
Iodine generator for reclaimed water purification
[NASA-CASE-MSC-14632-1] c 54 N78-14784
Water system virus detection
[NASA-CASE-MSC-16098-1] c 51 N79-10693
Simultaneous treatment of SO₂ containing stack gases and waste water
[NASA-CASE-MSC-16258-1] c 45 N79-12584
Process for purification of waste water produced by a Kraft process pulp and paper mill
[NASA-CASE-NPO-13847-2] c 85 N79-17747
Ozonation of cooling tower waters
[NASA-CASE-NPO-14340-1] c 45 N80-14579
Reverse osmosis membrane of high urea rejection properties --- water purification
[NASA-CASE-ARC-10980-1] c 27 N80-23452
- Membrane consisting of polyquaternary amine ion exchange polymer network interpenetrating the chains of thermoplastic matrix polymer
[NASA-CASE-NPO-14001-1] c 27 N81-14076
Sewage sludge additive
[NASA-CASE-NPO-13877-1] c 45 N82-11634
Method for treating wastewater using microorganisms and vascular aquatic plants
[NASA-CASE-NSTL-10-1] c 25 N82-25335
- WATER VAPOR**
Vapor pressure measuring system and method Patent
[NASA-CASE-XMS-01618] c 14 N71-20741
Cell and method for electrolysis of water and anode
[NASA-CASE-MSC-16394-1] c 28 N81-24280
Geodetic distance measuring apparatus
[NASA-CASE-GSC-12609-2] c 36 N83-29681
- WATER WAVES**
Surface roughness measuring system --- synthetic aperture radar measurements of ocean wave height and terrain peaks
[NASA-CASE-NPO-13862-1] c 35 N79-10391
Oceanic wave measurement system
[NASA-CASE-MFS-23862-1] c 48 N80-18667
- WATERPROOFING**
Glass-to-metal seals comprising relatively high expansion metals
[NASA-CASE-LEW-10698-1] c 37 N74-21063
Elevated waterproof access floor system and method of making the same
[NASA-CASE-ARC-11363-1] c 31 N83-28281
- WATERWAVE ENERGY CONVERSION**
Natural turbulence electrical power generator --- using wave action or random motion
[NASA-CASE-LAR-11551-1] c 44 N80-29834
- WAVE AMPLIFICATION**
Distributed feedback acoustic surface wave oscillator
[NASA-CASE-NPO-13673-1] c 71 N77-26919
- WAVE DIFFRACTION**
Diffraction grating configuration for X-ray and ultraviolet focusing
[NASA-CASE-GSC-12357-1] c 74 N80-21140
- WAVE FRONT RECONSTRUCTION**
Recording and reconstructing focused image holograms Patent
[NASA-CASE-ERC-10017] c 16 N71-15567
- WAVE GENERATION**
Wind tunnel airstream oscillating apparatus Patent
[NASA-CASE-XLA-00112] c 11 N70-33287
Linear sawtooth voltage-wave generator employing transistor timing circuit having capacitor-zener diode combination feedback Patent
[NASA-CASE-XMS-01315] c 09 N70-41675
Waveform simulator Patent
[NASA-CASE-NPO-10251] c 10 N71-27365
Wide band doubler and sine wave quadrature generator
[NASA-CASE-NPO-11133] c 10 N72-20223
Material suspension within an acoustically excited resonant chamber --- at near weightless conditions
[NASA-CASE-NPO-13263-1] c 12 N75-24774
- WAVE INTERACTION**
Coupled cavity traveling wave tube with velocity tapering
[NASA-CASE-LEW-12296-1] c 33 N82-26568
- WAVE PROPAGATION**
Maser amplifier slow wave structure --- detecting weak signals from spacecraft
[NASA-CASE-NPO-15211-1] c 36 N81-24425
A dual differential interferometer
[NASA-CASE-LAR-12966-1] c 71 N83-12969
- WAVE REFLECTION**
Microwave flaw detector Patent
[NASA-CASE-ARC-10009-1] c 15 N71-17822
Millimeter wave antenna system Patent Application
[NASA-CASE-GSC-10949-1] c 07 N71-28965
- WAVE SCATTERING**
Device and method for determining X ray reflection efficiency of optical surfaces
[NASA-CASE-MFS-20243] c 23 N73-13662
- WAVEFORMS**
Variable frequency magnetic multivibrator Patent
[NASA-CASE-XGS-00131] c 09 N70-38995
Single or joint amplitude distribution analyzer Patent
[NASA-CASE-XNP-01383] c 09 N71-10659
Peak polarity selector Patent
[NASA-CASE-FRC-10010] c 10 N71-24862
Family of frequency to amplitude converters
[NASA-CASE-MSC-12395] c 09 N72-25257
Apparatus for statistical time-series analysis of electrical signals
[NASA-CASE-MSC-12428-1] c 10 N73-25240
Low distortion receiver for bi-level baseband PCM waveforms
[NASA-CASE-MSC-14557-1] c 32 N76-16249
Speech analyzer
[NASA-CASE-GSC-11898-1] c 32 N77-30309

WAVEGUIDE ANTENNAS

- Lightning current waveform measuring system
[NASA-CASE-KSC-11018-1] c 33 N79-10337
- Three phase power factor controller
[NASA-CASE-MFS-25535-2] c 33 N83-29593
- WAVEGUIDE ANTENNAS**
- Virtual wall slot circularly polarized planar array antenna
[NASA-CASE-NPO-10301] c 07 N72-11148
- WAVEGUIDE FILTERS**
- High power microwave power divider Patent
[NASA-CASE-NPO-11031] c 07 N71-33606
- WAVEGUIDE WINDOWS**
- Broadband microwave waveguide window Patent
[NASA-CASE-XNP-08880] c 09 N71-24808
- WAVEGUIDES**
- Dual waveguide mode source having control means for adjusting the relative amplitude of two modes Patent
[NASA-CASE-XNP-03134] c 07 N71-10676
- Folded traveling wave maser structure Patent
[NASA-CASE-XNP-05219] c 16 N71-15550
- Quasi-optical microwave component Patent
[NASA-CASE-ERC-10011] c 07 N71-29065
- Waveguide mixer
[NASA-CASE-ERC-10179] c 07 N72-20141
- Active microwave inlets and windows
[NASA-CASE-LAR-10513-1] c 07 N72-25170
- Thin film microwave ins
[NASA-CASE-LAR-10511-1] c 09 N72-29172
- Resonant waveguide stark cell --- using microwave spectrometers
[NASA-CASE-LAR-11352-1] c 33 N75-26245
- Diffused waveguiding capillary tube with distributed feedback for a gas laser
[NASA-CASE-NPO-13544-1] c 36 N76-18428
- Dielectric-loaded waveguide circulator for cryogenically cooled and cascaded maser waveguide structures
[NASA-CASE-NPO-14254-1] c 36 N80-18372
- Support assembly for cryogenically coolable low-noise choke waveguide
[NASA-CASE-NPO-14253-1] c 32 N80-32605
- Coaxial phased array antenna
[NASA-CASE-MSC-16800-1] c 32 N81-14187
- Ladder supported ring bar circuit
[NASA-CASE-LEW-13570-1] c 33 N81-24348
- Maser amplifier slow wave structure --- detecting weak signals from spacecraft
[NASA-CASE-NPO-15211-1] c 36 N81-24425
- Coupled cavity traveling wave tube with velocity tapering
[NASA-CASE-LEW-12296-1] c 33 N82-26568
- Waveguide cooling system
[NASA-CASE-NPO-15401-1] c 32 N83-27085
- WAVELENGTHS**
- Method and apparatus for wavelength tuning of liquid lasers
[NASA-CASE-ERC-10187] c 16 N69-31343
- Instrument for the quantitative measurement of radiation at multiple wave lengths Patent
[NASA-CASE-XLE-00011] c 14 N70-41946
- Optical systems having spatially invariant outputs
[NASA-CASE-ERC-10248] c 14 N72-17323
- Two color horizon sensor
[NASA-CASE-ERC-10174] c 14 N72-25409
- Monitoring deposition of films
[NASA-CASE-MFS-20675] c 26 N73-26751
- Dual wavelength scanning Doppler velocimeter --- without perturbation of flow fields
[NASA-CASE-ARC-10637-1] c 35 N75-16783
- Diatom infrared gasdynamic laser --- for producing different wavelengths
[NASA-CASE-ARC-10370-1] c 36 N75-31426
- Fluorescent radiation converter
[NASA-CASE-GSC-12528-1] c 74 N81-24900
- Acoustic suspension system
[NASA-CASE-NPO-15435-1] c 71 N81-27887
- Acoustic levitation methods and apparatus
[NASA-CASE-NPO-15562-1] c 71 N82-27086
- Extended range X-ray telescope
[NASA-CASE-MFS-25282-1] c 34 N83-19015
- Dual laser optical system and method for studying fluid flow
[NASA-CASE-MFS-25315-1] c 36 N83-29680
- Acoustic suspension system
[NASA-CASE-NPO-15435-1] c 71 N83-36846
- WAVES**
- Natural turbulence electrical power generator --- using wave action or random motion
[NASA-CASE-LAR-11551-1] c 44 N80-29834
- WEAR**
- Refractory coatings
[NASA-CASE-LEW-13169-2] c 26 N82-30371
- WEAR INHIBITORS**
- Composite seal for turbomachinery
[NASA-CASE-LEW-12131-3] c 37 N82-19540

WEATHERPROOFING

- Weatherproof helix antenna Patent
[NASA-CASE-XKS-08485] c 07 N71-19493
- WEBS (SHEETS)**
- Method and apparatus for measuring web material wound on a reel
[NASA-CASE-GSC-11902-1] c 38 N77-17495
- Instrumentation for sensing moisture content of material using a transient thermal pulse
[NASA-CASE-NPO-15494-1] c 35 N82-25484
- WEBS (SUPPORTS)**
- Integrated gas turbine engine-nacelle
[NASA-CASE-LEW-12389-2] c 07 N78-18066
- Integrated gas turbine engine-nacelle
[NASA-CASE-LEW-12389-3] c 07 N79-14096
- WEDGES**
- Two dimensional wedge/translating shroud nozzle
[NASA-CASE-LAR-11919-1] c 07 N78-27121
- Interlocking wedge joint
[NASA-CASE-LAR-12729-1] c 37 N82-26676
- WEIGHT (MASS)**
- Suspended mass impact damper Patent
[NASA-CASE-LAR-10193-1] c 15 N71-27146
- WEIGHT INDICATORS**
- Device for monitoring a change in mass in varying gravimetric environments
[NASA-CASE-MFS-21556-1] c 35 N74-26945
- WEIGHT MEASUREMENT**
- Automatic force measuring system Patent
[NASA-CASE-XLA-02605] c 14 N71-10773
- Device for monitoring a change in mass in varying gravimetric environments
[NASA-CASE-MFS-21556-1] c 35 N74-26945
- Portable pallet weight apparatus
[NASA-CASE-GSC-12789-1] c 35 N83-13425
- WEIGHTLESSNESS**
- Apparatus for transferring cryogenic liquids Patent
[NASA-CASE-XLE-00345] c 15 N70-38020
- Liquid-gas separation system Patent
[NASA-CASE-XMS-01624] c 15 N70-40062
- Measuring device Patent
[NASA-CASE-XMS-01546] c 14 N70-40233
- Zero gravity starting means for liquid propellant motors Patent
[NASA-CASE-XNP-01390] c 28 N70-41275
- Liquid-gas separator for zero gravity environment Patent
[NASA-CASE-XMS-01492] c 05 N70-41297
- Recovery of potable water from human wastes in below-G conditions Patent
[NASA-CASE-XLA-03213] c 05 N71-11207
- Zero gravity separator Patent
[NASA-CASE-XLE-00586] c 15 N71-15968
- Reduced gravity simulator Patent
[NASA-CASE-XLA-01787] c 11 N71-16028
- Method and apparatus of simulating zero gravity conditions Patent
[NASA-CASE-MFS-12750] c 27 N71-16223
- Quick disconnect latch and handle combination Patent
[NASA-CASE-MFS-11132] c 15 N71-17649
- Spherical tank gauge Patent
[NASA-CASE-XMS-06236] c 14 N71-21007
- Zero gravity apparatus Patent
[NASA-CASE-XMF-06515] c 14 N71-23227
- Skeletal stressing method and apparatus Patent
[NASA-CASE-ARC-10100-1] c 05 N71-24738
- Material handling device Patent
[NASA-CASE-XNP-09770-3] c 11 N71-27036
- Method of making foamed materials in zero gravity
[NASA-CASE-XMF-09902] c 15 N72-11387
- Remote control manipulator for zero gravity environment
[NASA-CASE-MFS-14405] c 15 N72-28495
- Zero gravity liquid mixer
[NASA-CASE-LAR-10195-1] c 15 N73-19458
- Zero gravity liquid transfer screen
[NASA-CASE-KSC-10626] c 14 N73-27378
- Reduced gravity fecal collector seat and urinal
[NASA-CASE-MFS-22102-1] c 54 N74-20725
- Apparatus for conducting flow electrophoresis in the substantial absence of gravity
[NASA-CASE-MFS-21394-1] c 34 N74-27744
- Rotary plant growth accelerating apparatus --- weightlessness
[NASA-CASE-ARC-10722-1] c 51 N75-25503
- Fluid control apparatus and method
[NASA-CASE-LAR-11110-1] c 34 N75-26282
- Method for manufacturing mirrors in zero gravity environment
[NASA-CASE-MSC-12611-1] c 12 N76-15189
- Fluid mass sensor for a zero gravity environment
[NASA-CASE-MSC-14653-1] c 35 N77-19385
- Method of crystallization --- in gravity-free environments
[NASA-CASE-MFS-23001-1] c 76 N77-32919

SUBJECT INDEX

- Passive propellant system
[NASA-CASE-MFS-23642-1] c 20 N80-10278
- Method and apparatus for producing concentric hollow spheres --- inertial confinement fusion targets
[NASA-CASE-NPO-14596-1] c 31 N81-33319
- WEIGHTLESSNESS SIMULATION**
- Reduced gravity liquid configuration simulator
[NASA-CASE-XLE-02624] c 12 N69-39988
- Mass measuring system Patent
[NASA-CASE-XMS-03371] c 05 N70-42000
- Harness assembly Patent
[NASA-CASE-MFS-14671] c 05 N71-12341
- Whole body measurement systems --- for weightlessness simulation
[NASA-CASE-MSC-13972-1] c 52 N74-10975
- WELD STRENGTH**
- Grain refinement control in TIG arc welding
[NASA-CASE-MSC-19095-1] c 37 N75-19683
- WELD TESTS**
- Determination of spot weld quality Patent
[NASA-CASE-XNP-02588] c 15 N71-18613
- Method and apparatus for swept-frequency impedance measurements of welds
[NASA-CASE-ARC-10176-1] c 15 N72-21464
- WELDED JOINTS**
- Apparatus for welding blades to rotors
[NASA-CASE-LEW-10533-2] c 37 N74-11300
- Ultrasonic scanning system for in-place inspection of brazed tube joints
[NASA-CASE-MFS-20767-1] c 38 N74-15130
- Device for measuring the ferrite content in an austenitic stainless-steel weld
[NASA-CASE-MFS-22907-1] c 26 N76-18257
- Capillary flow weld-bonding
[NASA-CASE-LAR-11726-1] c 37 N76-27568
- WELDED STRUCTURES**
- Grain refinement control in TIG arc welding
[NASA-CASE-MSC-19095-1] c 37 N75-19683
- Flanged major modular assembly jig
[NASA-CASE-MSC-19372-1] c 39 N76-31562
- Weld-bonded titanium structures
[NASA-CASE-LAR-11549-1] c 37 N77-11397
- Bimetallic junctions
[NASA-CASE-LEW-11573-1] c 26 N77-28265
- WELDING**
- Segmented back-up bar Patent
[NASA-CASE-XMF-00640] c 15 N70-39924
- Flexible back-up bar Patent
[NASA-CASE-XMF-00722] c 15 N70-40204
- Apparatus for welding sheet material --- butt joints
[NASA-CASE-XMS-01330] c 37 N75-27376
- Weld-bonded titanium structures
[NASA-CASE-LAR-11549-1] c 37 N77-11397
- Method and apparatus for holding two separate metal pieces together for welding
[NASA-CASE-GSC-12318-1] c 37 N80-23655
- Automatic weld torch guidance control system
[NASA-CASE-MFS-25807] c 37 N83-20154
- Joining lead wires to thin platinum alloy films
[NASA-CASE-LEW-19394-1] c 35 N83-35338
- WELDING MACHINES**
- Apparatus for welding torch angle and seam tracking control Patent
[NASA-CASE-XMF-03287] c 15 N71-15607
- Automatic welding speed controller Patent
[NASA-CASE-XMF-01730] c 15 N71-23050
- Electric welding torch Patent
[NASA-CASE-XMF-02330] c 15 N71-23798
- Welding skate with computerized control Patent
[NASA-CASE-XMF-07069] c 15 N71-23815
- Computerized system for translating a torch head
[NASA-CASE-MFS-23620-1] c 37 N79-10421
- WET CELLS**
- Method and device for determining battery state of charge Patent
[NASA-CASE-NPO-10194] c 03 N71-20407
- WETTING**
- Pretreatment method for anti-wettable materials
[NASA-CASE-XMS-03537] c 15 N69-21471
- WHEATSTONE BRIDGES**
- Self-balancing strain gauge transducer Patent
[NASA-CASE-MFS-12827] c 14 N71-17656
- Method for improving the signal-to-noise ratio of the Wheatstone bridge type bolometer Patent
[NASA-CASE-XLA-02810] c 14 N71-25901
- Temperature control system with a pulse width modulated bridge
[NASA-CASE-NPO-11304] c 14 N73-26430
- WHISKER COMPOSITES**
- Reinforced metallic composites Patent
[NASA-CASE-XLE-00228] c 17 N70-38490
- WHISKERS (CRYSTALS)**
- Catalyst for growth of boron carbide single crystal whiskers
[NASA-CASE-XHO-03903] c 15 N69-21922

WICKS

Method of forming a wick for a heat pipe
[NASA-CASE-NPO-13391-1] c 34 N76-27515

WIDE ANGLE LENSES

Wide angle long eye relief eyepiece Patent
[NASA-CASE-XMS-06056-1] c 23 N71-24857

WIDEBAND COMMUNICATION

Wideband heterodyne receiver for laser communication system
[NASA-CASE-GSC-12053-1] c 32 N77-28348
Multiple band circularly polarized microstrip antenna
[NASA-CASE-MS-18334-1] c 32 N80-32604

WINCHES

Winch having cable position and load indicators Patent
[NASA-CASE-MS-12052-1] c 15 N71-24599

WIND DIRECTION

A radionuclide counting technique for measuring wind velocity and direction
[NASA-CASE-LAR-12971-1] c 47 N83-14863

WIND EFFECTS

Viscous pendulum damper Patent
[NASA-CASE-LAR-10274-1] c 14 N71-17626

WIND MEASUREMENT

Passive optical wind and turbulence detection system Patent
[NASA-CASE-XMF-14032] c 20 N71-16340
Maxometers (peak wind speed anemometers)
[NASA-CASE-MFS-20916] c 14 N73-25460
Wind sensor
[NASA-CASE-NPO-13462-1] c 35 N76-24524
Focused laser Doppler velocimeter
[NASA-CASE-MFS-23178-1] c 35 N77-10493
Wind measurement system
[NASA-CASE-MFS-23362-1] c 47 N77-10753

WIND PROFILES

Wind velocity probing device and method Patent
[NASA-CASE-XLA-02081] c 20 N71-16281

WIND SHEAR

CAT altitude avoidance system
[NASA-CASE-NPO-15351-1] c 06 N83-10040

WIND TUNNEL APPARATUS

Wind tunnel airstream oscillating apparatus Patent
[NASA-CASE-XLA-00112] c 11 N70-33287
Electric arc device for heating gases Patent
[NASA-CASE-XAC-00319] c 25 N70-41628
Test unit free-flight suspension system Patent
[NASA-CASE-XLA-00939] c 11 N71-15926
Burst diaphragm flow initiator Patent
[NASA-CASE-MFS-12915] c 11 N71-17600
Electric arc apparatus Patent
[NASA-CASE-XAC-01677] c 09 N71-20816
Model launcher for wind tunnels Patent
[NASA-CASE-XNP-03578] c 11 N71-23030
Wind tunnel microphone structure Patent
[NASA-CASE-XNP-00250] c 11 N71-28779
Wind tunnel
[NASA-CASE-LAR-10135-1] c 09 N79-21083
Rotary target V-block --- aligning wind tunnel apparatus for optical measurement
[NASA-CASE-LAR-12007-2] c 74 N79-25876
Metric half-span model support system
[NASA-CASE-LAR-12441-1] c 09 N82-23254
Model mount system for testing flutter
[NASA-CASE-LAR-12950-1] c 09 N83-25727
Continuous laminar smoke generator --- visualizing flow around wind tunnel models
[NASA-CASE-LAR-13014-1] c 28 N83-35158

WIND TUNNEL CALIBRATION

Rotary target v-block --- wind tunnel apparatus
[NASA-CASE-LAR-12007-3] c 74 N83-25542

WIND TUNNEL DRIVES

Electric arc driven wind tunnel Patent
[NASA-CASE-XMF-00411] c 11 N70-36913

WIND TUNNEL MODELS

Flow field simulation Patent
[NASA-CASE-LAR-11138] c 12 N71-20436
Multilegged support system Patent
[NASA-CASE-XLA-01326] c 11 N71-21481
Model launcher for wind tunnels Patent
[NASA-CASE-XNP-03578] c 11 N71-23030
Wind tunnel model damper Patent
[NASA-CASE-XLA-09480] c 11 N71-33612
Wind tunnel model and method
[NASA-CASE-LAR-10812-1] c 09 N74-17955
Method for determining thermo-physical properties of specimens --- photographic recording of changes in thin film phase-change temperature indicating material in wind tunnel
[NASA-CASE-LAR-11053-1] c 25 N74-18551
Metric half-span model support system
[NASA-CASE-LAR-12441-1] c 09 N82-23254
Aeroelastic instability stoppers for wind tunnel models
[NASA-CASE-LAR-12458-1] c 44 N83-21503
Aeroelastic instability stoppers for wind tunnel models
[NASA-CASE-LAR-12720-1] c 44 N83-21504

WIND TUNNEL NOZZLES

Multi-purpose wind tunnel reaction control model block
[NASA-CASE-MS-19706-1] c 09 N78-31129
Wind tunnel supplementary Mach number minimum section insert
[NASA-CASE-LAR-12532-1] c 09 N82-11088

WIND TUNNEL TESTS

Metallic hot wire anemometer --- for high speed wind tunnel tests
[NASA-CASE-ARC-10911-1] c 35 N77-20400
Multi-purpose wind tunnel reaction control model block
[NASA-CASE-MS-19706-1] c 09 N78-31129
Metric half-span model support system
[NASA-CASE-LAR-12441-1] c 09 N82-23254
Model mount system for testing flutter
[NASA-CASE-LAR-12950-1] c 09 N83-25727

WIND TUNNEL WALLS

Sound shield
[NASA-CASE-LAR-12883-1] c 71 N83-17235

WIND TUNNELS

Thin film gauge --- for measuring convective heat transfer rates along test surfaces in wind tunnels
[NASA-CASE-NPO-10617-1] c 35 N74-22095
Wind tunnel flow generation section
[NASA-CASE-ARC-10710-1] c 09 N75-12969
Apparatus for reducing aerodynamic noise in a wind tunnel
[NASA-CASE-MFS-23099-1] c 09 N76-23273
Static pressure orifice system testing method and apparatus
[NASA-CASE-LAR-12269-1] c 35 N80-18358

WIND TURBINES

Amplified wind turbine apparatus
[NASA-CASE-MFS-23830-1] c 44 N82-24639
Wind and solar powered turbine
[NASA-CASE-NPO-15496-1] c 44 N82-28784

WIND VANES

Miniature electro-optical air flow sensor
[NASA-CASE-LAR-13065-1] c 74 N83-25539

WIND VELOCITY

A radionuclide counting technique for measuring wind velocity and direction
[NASA-CASE-LAR-12971-1] c 47 N83-14863

WIND VELOCITY MEASUREMENT

Wind velocity probing device and method Patent
[NASA-CASE-XLA-02081] c 20 N71-16281

WINDING

Conically shaped cavity radiometer with a dual purpose cone winding Patent
[NASA-CASE-XNP-09701] c 14 N71-26475
Pulse coupling circuit
[NASA-CASE-LEW-10433-1] c 09 N72-22197

WINDMILLS (WINDPOWERED MACHINES)

Electrical power generating system --- for windpowered generation
[NASA-CASE-MFS-24368-3] c 33 N81-22280
Vertical shaft windmill
[NASA-CASE-LAR-12923-1] c 44 N82-29713

WINDOWS (APERTURES)

Active microwave irises and windows
[NASA-CASE-LAR-10513-1] c 07 N72-25170
Observation window for a gas confining chamber
[NASA-CASE-NPO-10890] c 11 N73-12265
Glass heating panels and method for preparing the same from architectural reflective glass
[NASA-CASE-NPO-15753-1] c 33 N82-23396

WINDPOWER UTILIZATION

Amplified wind turbine apparatus
[NASA-CASE-MFS-23830-1] c 44 N82-24639

WINDPOWERED GENERATORS

Wind wheel electric power generator
[NASA-CASE-MFS-23515-1] c 44 N80-21828
Electrical power generating system --- for windpowered generation
[NASA-CASE-MFS-24368-3] c 33 N81-22280

WINDSHIELDS

Transparent fire resistant polymers structures
[NASA-CASE-ARC-10813-1] c 27 N76-16230

WING CAMBER

Slotted variable camber flap
[NASA-CASE-LAR-12541-1] c 05 N82-18203

WING FLAPS

Jet aircraft configuration Patent
[NASA-CASE-XLA-00087] c 02 N70-33332

WING PROFILES

Variable-span aircraft Patent
[NASA-CASE-XLA-00166] c 02 N70-34178
Annular wing
[NASA-CASE-FRC-11007-2] c 05 N82-26277

WING ROOTS

Solar powered aircraft
[NASA-CASE-LAR-12615-1] c 05 N81-32138

WING SLOTS

Slotted variable camber flap
[NASA-CASE-LAR-12541-1] c 05 N82-18203

WING TIP VORTICES

Wingtip vortex dissipator for aircraft
[NASA-CASE-LAR-11645-1] c 02 N77-10001

WING TIPS

Smoke generator
[NASA-CASE-ARC-10905-1] c 37 N77-13418
Wingtip vortex turbine
[NASA-CASE-LAR-12544-1] c 07 N81-27096

WINGS

Ferry system
[NASA-CASE-LAR-10574-1] c 11 N73-13257
Surface finishing --- for aircraft wings
[NASA-CASE-MS-12631-1] c 24 N77-28225
Free wing assembly for an aircraft
[NASA-CASE-FRC-10092-1] c 05 N79-12061
Detection of the transitional layer between laminar and turbulent flow areas on a wing surface --- using an accelerometer to measure pressure levels during wind tunnel tests
[NASA-CASE-LAR-12261-1] c 02 N80-20224
System for use in conducting wake investigation for a wing in flight --- differential pressure measurements for drag investigations
[NASA-CASE-FRC-11024-1] c 02 N80-28300
Means for controlling aerodynamically induced twist
[NASA-CASE-LAR-12175-1] c 05 N82-28279
Decoupler pylon wing/store flutter suppressor
[NASA-CASE-LAR-12468-1] c 08 N82-32373
Piezoelectric deicing device
[NASA-CASE-LEW-13773-1] c 05 N83-29197

WIRE

Transpiration cooled turbine blade manufactured from wires Patent
[NASA-CASE-XLE-00020] c 15 N70-33226
Soldering device Patent
[NASA-CASE-XLA-08911] c 15 N71-27214
Forming tool for ribbon or wire
[NASA-CASE-XLA-05966] c 15 N72-12408
Method of removing insulated material from insulated wires
[NASA-CASE-FRC-10038] c 15 N72-20444
Shielded flat cable
[NASA-CASE-MFS-13687-2] c 09 N72-22198
Butt welder for fine gauge tungsten/rhenium thermocouple wire
[NASA-CASE-LAR-10103-1] c 15 N73-14468
Method of fabricating a twisted composite superconductor
[NASA-CASE-LEW-11015] c 26 N73-32571
Joining lead wires to thin platinum alloy films
[NASA-CASE-LEW-13934-1] c 35 N83-35338

WIRE BRIDGE CIRCUITS

Cavity radiometer Patent
[NASA-CASE-XNP-08961] c 14 N71-24809

WIRE CLOTH

Insulating structure Patent
[NASA-CASE-XMF-00341] c 15 N70-33323
Method of making screen by casting Patent
[NASA-CASE-XLE-00953] c 15 N71-15966

WIRE WINDING

Adjustable tension wire guide Patent
[NASA-CASE-XMS-02383] c 15 N71-15918
Superconducting alternator Patent
[NASA-CASE-XLE-02823] c 09 N71-23443
Electric motive machine including magnetic bearing
[NASA-CASE-XGS-07805] c 15 N72-33476
Laser measuring system for incremental assemblies --- measuring wire-wrapped frame assemblies in spark chambers
[NASA-CASE-GSC-12321-1] c 36 N82-16396

WIRELESS COMMUNICATION

Silent emergency alarm system for schools and the like
[NASA-CASE-NPO-11307-1] c 10 N73-30205
RF beam center location method and apparatus for power transmission system
[NASA-CASE-NPO-13821-1] c 44 N78-28594

WIRING

Apparatus for testing wiring harness by vibration generating means
[NASA-CASE-MS-15158-1] c 14 N72-17325
Test apparatus for locating shorts during assembly of electrical buses
[NASA-CASE-ARC-11116-1] c 33 N82-24420

WOODEN STRUCTURES

Structural wood panels with improved fire resistance
[NASA-CASE-ARC-11174-1] c 24 N81-13999

WORDS (LANGUAGE)

Minimal logic block encoder Patent
[NASA-CASE-NPO-10595] c 10 N71-25917
Parallel generation of the check bits of a PN sequence Patent
[NASA-CASE-XNP-04623] c 10 N71-26103

Digital memory in which the driving of each word location is controlled by a switch core Patent
[NASA-CASE-XNP-01466] c 10 N71-26434

WORK HARDENING

Method of producing complex aluminum alloy parts of high temper, and products thereof
[NASA-CASE-MSC-19693-1] c 26 N78-24333

WORKING FLUIDS

Heat pipe with dual working fluids
[NASA-CASE-ARC-10198] c 34 N78-17338
Thermochemical generation of hydrogen
[NASA-CASE-NPO-15015-1] c 25 N82-28368
Heat pipes containing alkali metal working fluid
[NASA-CASE-LEW-12253-1] c 74 N83-19596

WRENCHES

Methods and apparatus employing vibratory energy for wrenching Patent
[NASA-CASE-MFS-20586] c 15 N71-17686
System for enhancing tool-exchange capabilities of a portable wrench
[NASA-CASE-MFS-22283-1] c 37 N75-33395
Zero torque gear head wrench
[NASA-CASE-NPO-13059-1] c 37 N78-20480
High-torque open-end wrench
[NASA-CASE-NPO-13541-1] c 37 N79-14383

WRIST

Wrist joint assembly
[NASA-CASE-MFS-23311-1] c 54 N78-17676

X**X RAY ABSORPTION**

Low X-ray absorption aneurism clips
[NASA-CASE-LAR-12650-1] c 52 N81-29768

X RAY APPARATUS

Device and method for determining X ray reflection efficiency of optical surfaces
[NASA-CASE-MFS-20243] c 23 N73-13662
X-ray position detector
[NASA-CASE-NPO-12087-1] c 74 N81-19898

X RAY DIFFRACTION

Apparatus for use in examining the lattice of a semiconductor wafer by X-ray diffraction
[NASA-CASE-MFS-23315-1] c 76 N78-24950

X RAY IMAGERY

Low intensity X-ray and gamma-ray imaging device --- fiber optics
[NASA-CASE-GSC-12263-1] c 74 N79-20857
X-ray determination of parts alignment
[NASA-CASE-MSC-20418-1] c 37 N83-17882

X RAY INSPECTION

Method of determining bond quality of power transistors attached to substrates --- X ray inspection of junction microstructure
[NASA-CASE-MFS-21931-1] c 37 N75-26372
Apparatus for use in examining the lattice of a semiconductor wafer by X-ray diffraction
[NASA-CASE-MFS-23315-1] c 76 N78-24950

X RAY IRRADIATION

Multiple environment materials test chamber having a multiple port X-ray tube for irradiating a plurality of samples Patent
[NASA-CASE-XMS-02930] c 11 N71-23042

X RAY SOURCES

Imaging X-ray spectrometer
[NASA-CASE-GSC-12682-1] c 35 N82-26629

X RAY SPECTROSCOPY

Imaging X-ray spectrometer
[NASA-CASE-GSC-12682-1] c 35 N82-26629
Low intensity X-ray and gamma-ray spectrometer
[NASA-CASE-GSC-12587-1] c 35 N82-32659

X RAY TELESCOPES

X-ray reflection collimator adapted to focus X-radiation directly on a detector Patent
[NASA-CASE-XHQ-04106] c 14 N70-40240
Three mirror glancing incidence system for X-ray telescope
[NASA-CASE-MFS-21372-1] c 74 N74-27866
Method of and means for testing a glancing-incidence mirror system of an X-ray telescope
[NASA-CASE-MFS-22409-2] c 74 N78-15880
Extended range X-ray telescope
[NASA-CASE-MFS-25282-1] c 34 N83-19015

X RAYS

Support structure for irradiated elements Patent
[NASA-CASE-XNP-06031] c 15 N71-15606
Selective image area control of X-ray film exposure density
[NASA-CASE-NPO-13808-1] c 35 N78-15461
Real-time 3D X-ray and gamma-ray viewer
[NASA-CASE-GSC-12640-1] c 74 N82-10862
X-ray imaging mirror system and method of producing the same
[NASA-CASE-NPO-15828-1] c 74 N83-30222

X-Y PLOTTERS

Contour surveying system Patent
[NASA-CASE-XLA-08646] c 14 N71-17586
Particle parameter analyzing system --- x-y plotter circuits and display
[NASA-CASE-XLE-06094] c 33 N78-17293
Spatial energy distribution --- scanning a tunable diode laser beam automatically
[NASA-CASE-LAR-12631-1] c 35 N82-18557

X-15 AIRCRAFT

Energy management system for glider type vehicle Patent
[NASA-CASE-XFR-00756] c 02 N71-13421

XENON LAMPS

Optical pump and driver system for lasers
[NASA-CASE-ERC-10283] c 16 N72-25485
Purging means and method for Xenon arc lamps
[NASA-CASE-NPO-11978] c 31 N78-17238
Multiple anode arc lamp system
[NASA-CASE-NPO-10857-1] c 33 N80-14330

Y**YAG LASERS**

Dually mode locked Nd YAG laser
[NASA-CASE-GSC-11746-1] c 36 N75-19654
Length controlled stabilized mode-lock Nd:YAG laser
[NASA-CASE-GSC-11571-1] c 36 N77-25499

YARNS

Flexible pile thermal barrier insulator
[NASA-CASE-MSC-19568-1] c 34 N78-25350
Lightweight electrically-powered flexible thermal laminate --- made of metal and nonconductive yarns
[NASA-CASE-MSC-12662-1] c 33 N79-12331

YAW

Three-axis controller Patent
[NASA-CASE-XAC-01404] c 05 N70-41581
Thrust augmented spin recovery device
[NASA-CASE-LAR-11970-2] c 08 N81-19130

YIELD STRENGTH

High toughness-high strength iron alloy
[NASA-CASE-LEW-12542-3] c 26 N80-32484

YO-YO DEVICES

Stretch de-spin mechanism Patent
[NASA-CASE-XGS-00619] c 30 N70-40016

Z**ZEOLITES**

Filter system for control of outgas contamination in vacuum Patent
[NASA-CASE-MFS-14711] c 15 N71-26185

ZINC

Potassium silicate zinc coatings
[NASA-CASE-GSC-10361-1] c 18 N72-23581
Rechargeable battery which combats shape change of the zinc anode
[NASA-CASE-HQN-10862-1] c 44 N76-29699

ZINC COMPOUNDS

Method of changing the conductivity of vapor deposited gallium arsenide by the introduction of water into the vapor deposition atmosphere Patent
[NASA-CASE-XNP-01961] c 26 N71-29156
Synthesis of zinc titanate pigment and coatings containing the same
[NASA-CASE-MFS-13532] c 18 N72-17532
Brazing alloy
[NASA-CASE-XNP-03878] c 26 N75-27127
Zinc-halide battery with molten electrolyte
[NASA-CASE-NPO-11961-1] c 44 N78-18643
Method of preparing zinc orthotitanate pigment
[NASA-CASE-MFS-23345-1] c 27 N77-30237

ZINC OXIDES

Stabilized zinc oxide coating compositions Patent
[NASA-CASE-XMF-07770-2] c 18 N71-26772
Method of forming transparent films of ZnO
[NASA-CASE-FRC-10019] c 15 N73-12487

ZIRCONIUM

Zirconium modified nickel-copper alloy
[NASA-CASE-LEW-12245-1] c 26 N77-20201
Nical ternary alloy having improved cyclic oxidation resistance
[NASA-CASE-LEW-13339-1] c 26 N82-31505
Improved nickel base coating alloy --- oxidation resistant coatings
[NASA-CASE-LEW-13834-1] c 26 N83-24639

ZIRCONIUM CARBIDES

Zirconium carbide as an electrocatalyst for the chromous-chromic redox couple
[NASA-CASE-LEW-13246-1] c 44 N83-27344

ZIRCONIUM OXIDES

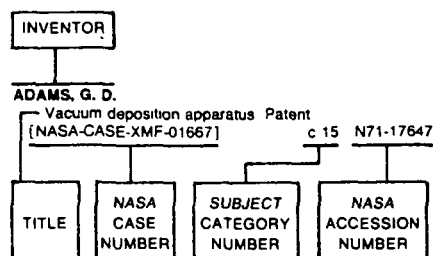
Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
[NASA-CASE-GSC-11577-1] c 37 N75-15992

NASA PATENT ABSTRACTS BIBLIOGRAPHY

Section 2

JANUARY 1984

Typical Inventor Index Listing



Listings in this index are arranged alphabetically by inventor. The title of the document provides the user with a brief description of the subject matter. The NASA Case Number is the prime access point to patent documents. The subject category number indicates the category in Section 1 (Abstracts) in which the citation is located. The NASA accession number denotes the number by which the citation is identified within the subject category. The titles are arranged under each inventor in ascending accession number order.

A

ABEL, I R
Optical instruments
[NASA-CASE-MSC-14096-1] c 74 N74-15095

ABERNATHY, W J
Insert facing tool
[NASA-CASE-MFS-21485-1] c 37 N74-25968

ABHYANKAR, K D
Interferometer-polarimeter
[NASA-CASE-NPO-11239] c 14 N73-12446

ABSHIRE, J B
Polarization compensator for optical communications
[NASA-CASE-GSC-11782-1] c 74 N76-30053
Geodetic distance measuring apparatus
[NASA-CASE-GSC-12609-1] c 36 N81-22344

ACORD, J D
Photosensitive device to detect bearing deviation
Patent
[NASA-CASE-XNP-00438] c 21 N70-35089
Space vehicle attitude control Patent
[NASA-CASE-XNP-00465] c 21 N70-35395
Attitude control for spacecraft Patent
[NASA-CASE-XNP-02982] c 31 N70-41855
Anti-backlash circuit for hydraulic drive system Patent
[NASA-CASE-XNP-01020] c 03 N71-12260
Solar vane actuator Patent
[NASA-CASE-XNP-05535] c 14 N71-23040

ACUNA, M H
Two axis fluxgate magnetometer Patent
[NASA CASE-GSC-10441-1] c 14 N71-27325
Controllable high voltage source having fast settling time
[NASA CASE-GSC-11844-1] c 33 N75-19522

ADACHI, R R
Programmable physiological infusion
[NASA CASE ARC-10447-1] c 52 N74 22771

ADAMS, C M, JR
Pretreatment method for anti-wettable materials
[NASA CASE XMS-03537] c 15 N69-21471

ADAMS, G D
Vacuum deposition apparatus Patent
[NASA-CASE XMF-01667] c 15 N71 17647
Evaporant source for vapor deposition Patent
[NASA CASE-XMF-06065] c 15 N71 20395

ADAMS, R R
Miniature spectrally selective dosimeter
[NASA-CASE-LAR-12469-1] c 35 N81-12386

ADAMS, W A
High stability buffered phase comparator
[NASA CASE-GSC-12645-1] c 33 N81 31482
High stability amplifier
[NASA-CASE-GSC-12646-1] c 33 N81-32391

ADAMSON, A P
Impact absorbing blade mounts for variable pitch blades
[NASA-CASE-LEW-12313-1] c 37 N78-10468
Variable thrust nozzle for quiet turbofan engine and method of operating same
[NASA-CASE-LEW-12317-1] c 07 N78-17055
Gas turbine engine with convertible accessories
[NASA-CASE-LEW-12390-1] c 07 N78-17056
Integrated gas turbine engine-nacelle
[NASA-CASE-LEW-12389-2] c 07 N78-18066
Gas turbine engine with recirculating bleed
[NASA-CASE-LEW-12452-1] c 07 N78-25089
Integrated gas turbine engine-nacelle
[NASA-CASE-LEW-12389-3] c 07 N79-14096

ADAMSON, M J
Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-1] c 27 N74-21156
Electrical conductivity cell and method for fabricating the same
[NASA-CASE-ARC-10810-1] c 33 N76-19339
Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-2] c 27 N76-32315

AIRTH, H B, JR
Regulated power supply Patent
[NASA-CASE-XMS-01991] c 09 N71-21449

AISENBERG, S
Doppler shift system
[NASA-CASE-HQN-10740-1] c 72 N74-19310

AJELLO, J M
High resolution threshold photoelectron spectroscopy by electron attachment
[NASA-CASE-NPO-14078-1] c 72 N80-14877

AJIOKA, J S
High efficiency multifrequency feed
[NASA-CASE-GSC-11909] c 32 N74-20863

AKAWIE, R I
Thiophenyl ether disiloxanes and trisiloxanes useful as lubricant fluids
[NASA-CASE-MFS-22411-1] c 37 N74-21058

AKKERMAN, J W.
Automatic compression adjusting mechanism for internal combustion engines
[NASA-CASE-MSC-18807-1] c 37 N81-29442
Reciprocating engines
[NASA-CASE-MSC-16239-1] c 37 N81-32510

ALBRECHT, W P
Fifth wheel
[NASA-CASE-FRC-10081-1] c 37 N77-14477

ALBRIGHT, C F
Water management system and an electrolytic cell therefor Patent
[NASA-CASE-MSC-10960-1] c 03 N71-24718
Process for separation of dissolved hydrogen from water by use of palladium and process for coating palladium with palladium black
[NASA-CASE-MSC-13335-1] c 06 N72-31140

ALBUS, J S
Light sensitive digital aspect sensor Patent
[NASA-CASE-XGS-00359] c 14 N70-34158
System and method for tracking a signal source
[NASA-CASE-HQN-10880-1] c 17 N78 17140

ALCORN, G
Imaging X-ray spectrometer
[NASA-CASE-GSC 12682-1] c 35 N82 26629

ALDRICH, B R
Underwater space suit pressure control regulator
[NASA-CASE-MFS-20332] c 05 N72 20097
Underwater space suit pressure control regulator
[NASA-CASE MFS-20332 2] c 05 N73-25125
General purpose rocket furnace
[NASA-CASE-MFS-23460-1] c 12 N79-26075

ALESNA, R E
Flexible joint for pressurizable garment
[NASA-CASE-MSC-11072] c 54 N74-32546

ALEXANDER, P, JR
Disconnect unit
[NASA-CASE-NPO-11330] c 33 N73-26958

ALFORD, W J, JR.
Variable sweep wing configuration Patent
[NASA-CASE-XLA-00230] c 02 N70-33255

ALGER, D L
Deuterium pass through target
[NASA-CASE-LEW 11866-1] c 72 N76-15860
Method of forming metal hydride films
[NASA-CASE-LEW-12083-1] c 37 N78-13436
Closed loop spray cooling apparatus
[NASA-CASE-LEW-11981-1] c 31 N78-17237
Closed loop spray cooling apparatus
[NASA-CASE-LEW 11981-2] c 34 N79-20336

ALLCOCK, H R
Process for the preparation of polycarbonylphosphazenes
[NASA-CASE-ARC-11176-2] c 27 N81-27271
Carboranylchlorophosphazenes and their polymers
[NASA CASE-ARC-11176-1] c 27 N82-18389

ALLEN, G V
Electric welding torch Patent
[NASA-CASE-XMF-02330] c 15 N71-23798

ALLEN, H., JR
Apparatus for igniting solid propellants Patent
[NASA-CASE-XLE-00207] c 28 N70-33375
Method of igniting solid propellants Patent
[NASA-CASE XLE-01988] c 27 N71-15634

ALLEN, J G, JR
Lunar landing flight research vehicle Patent
[NASA-CASE-XFR-00929] c 31 N70-34966

ALLEN, J H, SR
Apparatus for machining geometric cones Patent
[NASA-CASE-XMS-04292] c 15 N71-22722

ALLEN, L D
Method of improving heat transfer characteristics in a nucleate boiling process Patent
[NASA-CASE XMS-04268] c 33 N71-16277

ALLEN, L H
Method and apparatus for aligning a laser beam projector Patent
[NASA-CASE NPO-11087] c 23 N71-29125

ALLEN, R W
Ceramic insulation for radiant heating environments and method of preparing the same Patent
[NASA-CASE MFS-14253] c 33 N71-24858

ALLEN, W K
Time division multiplex system
[NASA-CASE XGS-05918] c 07 N69-39974
Serrrodyne frequency converter re-entrant amplifier system Patent
[NASA-CASE-XGS-01022] c 07 N71-16088
Traffic control system and method Patent
[NASA-CASE GSC-10087-1] c 02 N71-19287
Satellite interlace synchronization system
[NASA-CASE-GSC-10390-1] c 07 N72-11149
Doppler compensation by shifting transmitted object frequency within limits
[NASA-CASE-GSC-10087-4] c 07 N73-20174

ALLEN, W W
Analog-to-digital converter analyzing system
[NASA-CASE-NPO-10560] c 08 N72-22166

ALLEY, V L, JR
Amplifying ribbon extensometer
[NASA-CASE-LAR-11825-1] c 35 N77-22449
Nozzle extraction process and handometer for measuring handle
[NASA CASE-LAR-12147-1] c 31 N79 11246

ALLGEIER, R K, JR
Metal valve pintle with encapsulated elastomeric body Patent
[NASA-CASE MSC-12116-1] c 15 N71-17648

ALPER, M E
Automated multi-level vehicle parking system
[NASA-CASE NPO-13058-1] c 37 N77-22480

ALTMAN, R L
Synthesis of dawsonites
[NASA CASE ARC-113261-1] c 25 N80-31490

- ALLEN, W. W.**
Analog-to-digital converter analyzing system
[NASA-CASE-NPO-10560] c 08 N72-22166
- ALLEY, V. L., JR.**
Amplifying ribbon extensometer
[NASA-CASE-LAR-11825-1] c 35 N77-22449
Nozzle extraction process and handmeter for measuring handle
[NASA-CASE-LAR-12147-1] c 31 N79-11246
- ALLGIER, R. K., JR.**
Metal valve pintle with encapsulated elastomeric body
Patent
[NASA-CASE-MSC-12116-1] c 15 N71-17648
- ALPER, M. E.**
Automated multi-level vehicle parking system
[NASA-CASE-NPO-13058-1] c 37 N77-22480
- ALTMAN, R. L.**
Synthesis of dawsonites
[NASA-CASE-ARC-11326-1] c 25 N83-33977
Fire extinguishant materials
[NASA-CASE-NPO-11252-1] c 25 N83-36118
- ALTSCHULER, T. L.**
Orifice gross leak tester Patent
[NASA-CASE-ERC-10150] c 14 N71-28992
- AMBRUSO, A.**
Gas operated actuator
[NASA-CASE-NPO-11340] c 15 N72-33477
- AMEER, G. A.**
Telespectrograph Patent
[NASA-CASE-XLA-03273] c 14 N71-18699
- AMON, M.**
Ritchey-Chretien Telescope
[NASA-CASE-GSC-11487-1] c 14 N73-30393
- ANACKER, K.**
Forming tool for ribbon or wire
[NASA-CASE-XLA-05966] c 15 N72-12408
- ANAGNOSTOU, E.**
Method of making encapsulated solar cell modules
[NASA-CASE-LEW-12185-1] c 44 N78-25528
- ANDERSON, D. L.**
Static inverters which sum a plurality of waves Patent
[NASA-CASE-XMF-00663] c 08 N71-18752
- ANDERSON, F. A.**
Solid propellant rocket motor
[NASA-CASE-XNP-03282] c 28 N72-20758
High performance ammonium nitrate propellant
[NASA-CASE-NPO-14260-1] c 28 N79-28342
- ANDERSON, G. D.**
Phase detector assembly Patent
[NASA-CASE-XMF-00701] c 09 N70-40272
- ANDERSON, G. E.**
Flexible pile thermal barrier insulator
[NASA-CASE-MSC-19568-1] c 34 N78-25350
- ANDERSON, J. R.**
Method for removing oxygen impurities from cesium
Patent
[NASA-CASE-XNP-04262-2] c 17 N71-26773
- ANDERSON, J. W.**
Edge coating of flat wires
[NASA-CASE-XMF-05757-1] c 31 N79-21227
- ANDERSON, K. F.**
Pulsed excitation voltage circuit for transducers
[NASA-CASE-FRC-10036] c 09 N72-22200
- ANDERSON, L. M.**
Inelastic tunnel diodes
[NASA-CASE-LEW-13833-1] c 33 N83-25983
Solar energy converter using surface plasma waves
[NASA-CASE-LEW-13827-1] c 44 N83-26258
- ANDERSON, R. A.**
Sandwich panel construction Patent
[NASA-CASE-XLA-00349] c 33 N70-37979
- ANDERSON, R. E.**
Automatic transponder
[NASA-CASE-GSC-12075-1] c 32 N77-31350
- ANDERSON, R. F.**
Piezoelectric pump Patent
[NASA-CASE-XNP-05429] c 26 N71-21824
- ANDERSON, T. O.**
Binary number sorter Patent
[NASA-CASE-NPO-10112] c 08 N71-12502
Ranging system Patent
[NASA-CASE-NPO-10066] c 09 N71-18598
Data compression processor Patent
[NASA-CASE-NPO-10068] c 08 N71-19268
Data compressor Patent
[NASA-CASE-XNP-04067] c 08 N71-22707
Error correcting method and apparatus Patent
[NASA-CASE-XNP-02748] c 08 N71-22749
Comparator for the comparison of two binary numbers
Patent
[NASA-CASE-XNP-04819] c 08 N71-23295
Digital synchronizer Patent
[NASA-CASE-NPO-10851] c 07 N71-24613
Decoder system Patent
[NASA-CASE-NPO-10118] c 07 N71-24741
- Parallel generation of the check bits of a PN sequence
Patent
[NASA-CASE-XNP-04623] c 10 N71-26103
Rapid sync acquisition system Patent
[NASA-CASE-NPO-10214] c 10 N71-26577
Digital filter for reducing sampling jitter in digital control systems Patent
[NASA-CASE-NPO-11088] c 08 N71-29034
Encoder/decoder system for a rapidly synchronizable binary code Patent
[NASA-CASE-NPO-10342] c 10 N71-33407
Modular encoder
[NASA-CASE-NPO-10629] c 08 N72-18184
Transition tracking bit synchronization system
[NASA-CASE-NPO-10844] c 07 N72-20140
Digital quasi-exponential function generator
[NASA-CASE-NPO-11130] c 08 N72-20176
MOD 2 sequential function generator for multibit binary sequence
[NASA-CASE-NPO-10638] c 08 N72-25210
Digital slope threshold data compressor
[NASA-CASE-NPO-11630] c 08 N72-33172
Asynchronous, multiplexing, single line transmission and recovery data system
[NASA-CASE-NPO-13321-1] c 32 N75-26195
Multi-computer multiple data path hardware exchange system
[NASA-CASE-NPO-13422-1] c 60 N76-14818
Computer interface system
[NASA-CASE-NPO-13428-1] c 60 N77-12721
High-speed multiplexing of keyboard data inputs
[NASA-CASE-NPO-14554-1] c 60 N81-27814
Control means for a solid state crossbar switch
[NASA-CASE-NPO-15066-1] c 33 N82-29538
- ANDERSON, W. J.**
Method of improving the reliability of a rolling element system Patent
[NASA-CASE-XLE-02999] c 15 N71-16052
High speed rolling element bearing
[NASA-CASE-LEW-10856-1] c 15 N72-22490
High speed hybrid bearing comprising a fluid bearing and a rolling bearing connected in series
[NASA-CASE-LEW-11152-1] c 15 N73-32359
Thrust bearing
[NASA-CASE-LEW-11949-1] c 37 N76-29588
- ANDERSON, W. W.**
Angular momentum control device used for stabilization of space vehicles and the like
[NASA-CASE-LAR-11051-1] c 15 N76-14158
Magnetic suspension and pointing system
[NASA-CASE-LAR-11889-2] c 37 N78-27424
Magnetic suspension and pointing system
[NASA-CASE-LAR-11889-1] c 35 N79-26372
Rim inertial measuring system
[NASA-CASE-LAR-12052-1] c 18 N81-29152
- ANDERSON, W. W., JR.**
Compensating radiometer
[NASA-CASE-XLA-04556] c 14 N69-27484
Semi-linear ball bearing Patent
[NASA-CASE-XLA-02809] c 15 N71-22982
- ANDREWS, D. G.**
Slotted variable camber flap
[NASA-CASE-LAR-12541-1] c 05 N82-18203
- ANDREWS, E. H., JR.**
Method of obtaining permanent record of surface flow phenomena Patent
[NASA-CASE-XLA-01353] c 14 N70-41366
- ANDREWS, R. E.**
Inverter ratio failure detector
[NASA-CASE-NPO-13160-1] c 35 N74-18090
- ANDREWS, T. W.**
Adjustable support
[NASA-CASE-NPO-10721] c 15 N72-27484
System and method for moving a probe to follow movements of tissue
[NASA-CASE-NPO-15197-1] c 52 N83-25346
- ANGELE, W.**
Electrical connector for flat cables Patent
[NASA-CASE-XMF-00324] c 09 N70-34596
Instrument support with precise lateral adjustment
Patent
[NASA-CASE-XMF-00480] c 14 N70-39898
Support apparatus for dynamic testing
Patent
[NASA-CASE-XMF-01772] c 11 N70-41677
Method of making a molded connector
Patent
[NASA-CASE-XMF-03498] c 15 N71-15986
Method of making shielded flat cable
Patent
[NASA-CASE-MFS-13687] c 09 N71-28691
Shielded flat cable
[NASA-CASE-MFS-13687-2] c 09 N72-22198
Electrical connector
[NASA-CASE-MFS-20757] c 09 N72-28225
Cryogenic gyroscope housing
[NASA-CASE-MFS-21136-1] c 35 N74-18323
- ANICICH, V. G.**
Miniature cyclotron resonance ion source using small permanent magnet
[NASA-CASE-NPO-14324-1] c 72 N80-27163
- ANSELMO, V. J.**
Medical diagnosis system and method with multispectral imaging
[NASA-CASE-NPO-14402-1] c 52 N81-27783
- APPEL, M. A.**
Propellant tank pressurization system Patent
[NASA-CASE-XNP-00650] c 27 N71-28929
- APPLEBERRY, W. T.**
Device for measuring tensile forces
[NASA-CASE-MFS-21728-1] c 35 N74-27865
Device for use in loading tension members
[NASA-CASE-MFS-21488-1] c 14 N75-24794
Mechanical sequencer
[NASA-CASE-MSC-19536-1] c 37 N77-22482
Load regulating latch
[NASA-CASE-MSC-19535-1] c 37 N77-32499
Sequencing device utilizing planetary gear set
[NASA-CASE-MSC-19514-1] c 37 N79-20377
- APPLER, R. L.**
Method for generating ultra-precise angles Patent
[NASA-CASE-XGS-04173] c 19 N71-26674
- APPLETON, M. W.**
Omnidirectional slot antenna for mounting on cylindrical space vehicle
[NASA-CASE-LAR-10163-1] c 09 N72-25247
- ARCAND, G. M.**
Method for determining the state of charge of batteries by the use of tracers Patent
[NASA-CASE-XNP-01464] c 03 N71-10728
- ARCELLA, F. G.**
Method of forming a wick for a heat pipe
[NASA-CASE-NPO-13391-1] c 34 N76-27515
Bimetallic junctions
[NASA-CASE-LEW-11573-1] c 26 N77-28265
- ARENS, W. E.**
Charge-coupled device data processor for an airborne imaging radar system
[NASA-CASE-NPO-13587-1] c 32 N77-32342
Azimuth correlator for real-time synthetic aperture radar image processing
[NASA-CASE-NPO-14019-1] c 32 N79-14268
- ARGOUD, M. J.**
Lightweight reflector assembly
[NASA-CASE-NPO-13707-1] c 74 N77-28933
- ARIAS, A.**
Apparatus for positioning and loading a test specimen
Patent
[NASA-CASE-XLE-01300] c 15 N70-41993
Thermal shock apparatus Patent
[NASA-CASE-XLE-02024] c 14 N71-22964
Production of metal powders
[NASA-CASE-XLE-06461] c 17 N72-22530
Method for producing dispersion strengthened alloys by converting metal to a halide, comminuting, reducing the metal halide to the metal and sintering
[NASA-CASE-LEW-10450-1] c 15 N72-25448
Apparatus for producing metal powders
[NASA-CASE-XLE-06461-2] c 17 N72-28535
- ARLINE, S. B.**
Flow diverter valve and flow diversion method
[NASA-CASE-HQN-00573-1] c 37 N79-33468
- ARMS, I. J.**
Heat resistant protective hand covering
[NASA-CASE-MSC-20261-1] c 54 N82-32985
Heat resistant protective hand covering
[NASA-CASE-MSC-20261-2] c 54 N82-32986
- ARMSTRONG, H. T.**
Coupling for linear shaped charge Patent
[NASA-CASE-XLA-00189] c 33 N70-36846
- ARNOLD, G. D.**
System for improving signal-to-noise ratio of a communication signal Patent Application
[NASA-CASE-MSC-12259-1] c 07 N70-12616
System for improving signal-to-noise ratio of a communication signal
[NASA-CASE-MSC-12259-2] c 07 N72-33146
- ARRANCE, F. C.**
Method of making membranes
[NASA-CASE-XNP-04264] c 03 N69-21337
- ASHBROOK, R. L.**
High temperature cobalt-base alloy Patent
[NASA-CASE-XLE-00726] c 17 N71-15644
High temperature cobalt-base alloy Patent
[NASA-CASE-XLE-02991] c 17 N71-16025
High temperature ferromagnetic cobalt-base alloy
Patent
[NASA-CASE-XLE-03629] c 17 N71-23248
Method of forming superalloys
[NASA-CASE-LEW-10805-1] c 15 N73-13465
Method of heat treating a formed powder product material
[NASA-CASE-LEW-10805-3] c 26 N74-10521

- Method of forming articles of manufacture from superalloy powders
[NASA-CASE-LEW-10805-2] c 37 N74-13179
- ASHWORTH, B. R.**
Apparatus for applying simulator g-forces to an arm of an aircraft simulator pilot
[NASA-CASE-LAR-10550-1] c 09 N74-30597
Seat cushion to provide realistic acceleration cues to aircraft simulator pilot
[NASA-CASE-LAR-12149-2] c 09 N79-31228
Helmet weight simulator
[NASA-CASE-LAR-12320-1] c 54 N81-27808
- ASKINS, B. S.**
Method of obtaining intensified image from developed photographic films and plates
[NASA-CASE-MFS-23461-1] c 35 N79-10389
- ASTHEIMER, R. W.**
Multi-lobar scan horizon sensor Patent
[NASA-CASE-XGS-00809] c 21 N70-35427
- ATKISSON, E. A.**
Apparatus having coaxial capacitor structure for measuring fluid density Patent
[NASA-CASE-XLE-00143] c 14 N70-36618
- AUBLE, C. M.**
Instrument for the quantitative measurement of radiation at multiple wave lengths Patent
[NASA-CASE-XLE-00011] c 14 N70-41946
- AUER, S. O.**
Cosmic dust or other similar outer space particles impact location detector
[NASA-CASE-GSC-11291-1] c 25 N72-33696
Micrometeoroid analyzer
[NASA-CASE-ARC-10443-1] c 14 N73-20477
Impact position detector for outer space particles
[NASA-CASE-GSC-11829-1] c 35 N75-27331
Micrometeoroid velocity and trajectory analyzer
[NASA-CASE-GSC-11892-1] c 35 N76-15433
Moving particle composition analyzer
[NASA-CASE-GSC-11889-1] c 35 N76-16383
Remote sensing of vegetation and soil using microwave ellipsometry
[NASA-CASE-GSC-11976-1] c 43 N78-10529
- AUKER, B. H.**
Refractory porcelain enamel passive control coating for high temperature alloys
[NASA-CASE-MFS-22324-1] c 27 N75-27160
- AUSTIN, I. G.**
Water separator
[NASA-CASE-XMS-01295-1] c 37 N79-21345
- AUSTIN, W. E.**
Compton scatter attenuation gamma ray spectrometer
[NASA-CASE-MFS-21441-1] c 14 N73-30392
- AVERILL, R. D.**
Vibration isolation and pressure compensation apparatus for sensitive instrumentation
[NASA-CASE-LAR-12728-1] c 35 N83-32026
- AVIZIENIS, A. A.**
Self-testing and repairing computer Patent
[NASA-CASE-NPO-10567] c 08 N71-24633
- AYLWARD, J. R.**
Cell and method for electrolysis of water and anode
[NASA-CASE-MSC-16394-1] c 28 N81-24280
- AYVAZIAN, R. A.**
Laminar flow enhancement Patent
[NASA-CASE-NPO-10122] c 12 N71-17631
Propellant mass distribution metering apparatus Patent
[NASA-CASE-NPO-10185] c 10 N71-26339
- B**
- BABA, P. D.**
Method for making conductors for ferrite memory arrays
[NASA-CASE-LAR-10994-1] c 24 N75-13032
- BABB, B. D.**
Method and apparatus for cryogenic wire stripping Patent
[NASA-CASE-MFS-10340] c 15 N71-17628
Self-balancing strain gage transducer Patent
[NASA-CASE-MFS-12827] c 14 N71-17656
- BABECKI, A. J.**
Peen plating
[NASA-CASE-GSC-11163-1] c 15 N73-32360
- BACCHI, R.**
Valve actuator Patent
[NASA-CASE-XHQ-01208] c 15 N70-35409
- BACHLE, W. H.**
Mechanically extendible telescoping boom
[NASA-CASE-NPO-11118] c 03 N72-25021
- BACON, J. F.**
Glass compositions with a high modulus of elasticity
[NASA-CASE-HQN-10274-1] c 27 N82-29451
- High modulus invert analog glass compositions containing berylia
[NASA-CASE-HQN-10931-2] c 27 N82-29452
Non-toxic invert analog glass compositions of high modulus
[NASA-CASE-HQN-10328-2] c 27 N82-29454
High modulus rare earth and beryllium containing silicate glass compositions
[NASA-CASE-HQN-10595-1] c 27 N82-29455
- BADIN, F. E.**
Space simulation and radiative property testing system and method Patent
[NASA-CASE-MFS-20096] c 14 N71-30026
- BAEHR, E. F.**
Channel-type shell construction for rocket engines and the like Patent
[NASA-CASE-XLE-00144] c 28 N70-34860
Rocket thrust chamber Patent
[NASA-CASE-XLE-00145] c 28 N70-36806
Method of making a regeneratively cooled combustion chamber Patent
[NASA-CASE-XLE-00150] c 28 N70-41818
Method of making a rocket motor casing Patent
[NASA-CASE-XLE-00409] c 28 N71-15658
Rocket motor casing Patent
[NASA-CASE-XLE-05689] c 28 N71-15659
Ophthalmic liquefaction pump
[NASA-CASE-LEW-12051-1] c 52 N75-33640
Corneal seal device
[NASA-CASE-LEW-12258-1] c 52 N77-28716
Tissue macerating instrument
[NASA-CASE-LEW-12668-1] c 52 N78-14773
Flow compensating pressure regulator
[NASA-CASE-LEW-12718-1] c 34 N78-25351
Intra-ocular pressure normalization technique and equipment
[NASA-CASE-LEW-12955-1] c 52 N80-14684
- BAER, D. A.**
Synchronous orbit battery cyclor
[NASA-CASE-GSC-11211-1] c 03 N72-25020
- BAGANOFF, D.**
Means for controlling rupture of shock tube diaphragms Patent
[NASA-CASE-XAC-00731] c 11 N71-15960
- BAGBY, J. P.**
Thermally operated valve Patent
[NASA-CASE-XLE-00815] c 15 N70-35407
- BAHIMAN, H.**
Self-erecting reflector Patent
[NASA-CASE-XGS-09190] c 31 N71-16102
Belt for transmitting power from a cogged driving member to a cogged driven member
[NASA-CASE-GSC-12289-1] c 37 N80-32717
Unidirectional flexural pivot
[NASA-CASE-GSC-12622-1] c 37 N81-22359
- BAHM, E. J.**
A dc servosystem including an ac motor Patent
[NASA-CASE-NPO-10700] c 07 N71-33613
- BAILEY, C. L., JR.**
Solid state controller three axes controller
[NASA-CASE-MSC-12394-1] c 08 N74-10942
- BAILEY, D. A.**
Adaptive control system for line-commutated inverters
[NASA-CASE-MFS-25209-1] c 33 N83-35227
- BAILEY, F. J., JR.**
Airplane take-off performance indicator Patent
[NASA-CASE-XLA-00100] c 14 N70-36807
- BAILEY, G. A.**
Magnetic matrix memory system Patent
[NASA-CASE-XMF-05835] c 08 N71-12504
- BAILEY, G. C.**
Integrating IR detector imaging systems
[NASA-CASE-NPO-15805-1] c 74 N83-20757
- BAILEY, J. W.**
Bi-polar phase detector and corrector for split phase PCM data signals Patent
[NASA-CASE-XGS-01590] c 07 N71-12392
Radio frequency coaxial high pass filter Patent
[NASA-CASE-XGS-01418] c 09 N71-23573
Explosively activated egress area
[NASA-CASE-LAR-12624-1] c 01 N83-35992
- BAILEY, M. C.**
Stacked array of omnidirectional antennas
[NASA-CASE-LAR-10545-1] c 09 N72-21244
- BAILEY, R. L.**
Apparatus and method for protecting a photographic device Patent
[NASA-CASE-NPO-10174] c 14 N71-18465
Solid propellant rocket motor nozzle
[NASA-CASE-NPO-11458] c 28 N72-23810
Electromagnetic wave energy converter
[NASA-CASE-GSC-11394-1] c 09 N73-32109
- BAKER, C. D.**
Coating process
[NASA-CASE-XNP-06508] c 18 N69-39895
- Electrical spot terminal assembly Patent
[NASA-CASE-NPO-10034] c 15 N71-17685
Electrical connector
[NASA-CASE-NPO-10694] c 09 N72-20200
Pressure transducer
[NASA-CASE-NPO-10832] c 14 N72-21405
- BAKER, E. H.**
Centrifuge mounted motion simulator Patent
[NASA-CASE-XAC-00399] c 11 N70-34815
- BAKER, G. J.**
Air speed and attitude probe
[NASA-CASE-FRC-11009-1] c 06 N80-18036
- BAKER, J. T.**
Logic-controlled occlusive cuff system
[NASA-CASE-MSC-14836-1] c 52 N82-11770
- BAKER, M. E.**
Omnidirectional joint Patent
[NASA-CASE-XMS-09635] c 05 N71-24623
- BAKER, R. L.**
Bidirectional step torque filter with zero backlash characteristic Patent
[NASA-CASE-XGS-04227] c 15 N71-21744
- BAKER, V. D.**
Vapor pressure measuring system and method Patent
[NASA-CASE-XMS-01618] c 14 N71-20741
- BAKSTON, B.**
Apparatus for the determination of the existence or non-existence of a bonding between two members Patent
[NASA-CASE-MFS-13686] c 15 N71-18132
- BALASUBRAHMANYAN, V. K.**
Cerenkov radiator material and charged particle detection process
[NASA-CASE-GSC-12805-1] c 72 N83-18423
- BALDWIN, L. V.**
Particle beam measurement apparatus using beam kinetic energy to change the heat sensitive resistance of the detection probe Patent
[NASA-CASE-XLE-00243] c 14 N70-38602
Apparatus for increasing ion engine beam density Patent
[NASA-CASE-XLE-00519] c 28 N70-41576
- BALES, T. T.**
Controlled glass bead peening Patent
[NASA-CASE-XLA-07390] c 15 N71-18616
Curved cap corrugated sheet
[NASA-CASE-LAR-12884-1] c 31 N83-29446
- BALLANTINE, T. J.**
A method and technique for installing light-weight fragile, high-temperature fiber insulation
[NASA-CASE-MSC-18934-3] c 24 N82-26387
- BALLARD, R. R.**
Two-axis controller Patent
[NASA-CASE-XFR-04104] c 03 N70-42073
- BALLENTINE, F. M., JR.**
Foam generator Patent
[NASA-CASE-XLA-00838] c 03 N70-36778
- BALLOU, E. V.**
Process for the preparation of calcium superoxide
[NASA-CASE-ARC-11053-1] c 25 N79-10162
Use of glow discharge in fluidized beds
[NASA-CASE-ARC-11245-1] c 28 N82-18401
- BAMFORD, R. M.**
Elastic universal joint Patent
[NASA-CASE-XNP-00416] c 15 N70-36947
Sealed separable connection Patent
[NASA-CASE-NPO-10064] c 15 N71-17693
- BANDINI, U.**
Out of tolerance warning alarm system for plurality of monitored circuits Patent
[NASA-CASE-XMS-10984-1] c 10 N71-19417
- BANK, H.**
Gas diffusion liquid storage bag and method of use for storing blood
[NASA-CASE-NPO-13930-1] c 52 N79-14749
- BANKS, B. A.**
Ion beam deflector Patent
[NASA-CASE-LEW-10689-1] c 28 N71-26173
Ion thruster accelerator system Patent
[NASA-CASE-LEW-10106-1] c 28 N71-26642
Process for glass coating an ion accelerator grid Patent
[NASA-CASE-LEW-10278-1] c 15 N71-28582
Ion thruster magnetic field control
[NASA-CASE-LEW-10835-1] c 28 N72-22771
Electromagnetic flow rate meter
[NASA-CASE-LEW-10981-1] c 35 N74-21018
Sputtering holes with ion beamlets
[NASA-CASE-LEW-11646-1] c 20 N74-31269
Method of making dished ion thruster grids
[NASA-CASE-LEW-11694-1] c 20 N75-18310
Apparatus for forming dished ion thruster grids
[NASA-CASE-LEW-11694-2] c 37 N76-14461
Method of constructing dished ion thruster grids to provide hole array spacing compensation
[NASA-CASE-LEW-11876-1] c 20 N76-21276

- Anode for ion thruster
[NASA-CASE-LEW-12048-1] c 20 N77-20162
- Texturing polymer surfaces by transfer casting
[NASA-CASE-LEW-13120-1] c 27 N82-28440
- Surface texturing of fluoropolymers
[NASA-CASE-LEW-13028-1] c 27 N82-33521
- Mechanical bonding of metal method
[NASA-CASE-LEW-12941-1] c 26 N83-10170
- Ion beam sputter etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-2] c 52 N83-20539
- Ion beam sputter-etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-1] c 52 N83-21785
- Diamondlike flake composites
[NASA-CASE-LEW-13837-1] c 24 N83-28095
- Piezoelectric deicing device
[NASA-CASE-LEW-13773-1] c 05 N83-29197
- BANKSTON, B. F.**
Device for measuring the ferrite content in an austenitic stainless-steel weld
[NASA-CASE-MFS-22907-1] c 26 N76-18257
- Apparatus and method for inspecting a bearing ball
[NASA-CASE-MFS-25833-1] c 35 N83-21316
- BANTA, R. D.**
Positive contact resistance soldering unit
[NASA-CASE-KSC-10242] c 15 N72-23497
- BARACK, W. N.**
Redundant disc
[NASA-CASE-LEW-12496-1] c 07 N78-33101
- BARAONA, C. R.**
Screen printed interdigitated back contact solar cell
[NASA-CASE-LEW-13414-1] c 44 N83-20374
- BARBEE, T. H.**
X-ray imaging mirror system and method of producing the same
[NASA-CASE-NPO-15828-1] c 74 N83-30222
- BARBER, J. B.**
Laser grating interferometer Patent
[NASA-CASE-XLA-04295] c 16 N71-24170
- BARBERA, A. J.**
Use of unilluminated solar cells as shunt diodes for a solar array
[NASA-CASE-GSC-10344-1] c 03 N72-27053
- BARGER, R. L.**
Continuously operating induction plasma accelerator Patent
[NASA-CASE-XLA-01354] c 25 N70-36946
- BARISH, B.**
Pulsed energy power system Patent
[NASA-CASE-MSC-13112] c 03 N71-11057
- BARKER, P.**
Vibrophonocardiograph Patent
[NASA-CASE-XFR-07172] c 05 N71-27234
- BARMATZ, M. B.**
Acoustic levitation methods and apparatus
[NASA-CASE-NPO-15562-1] c 71 N82-27086
- Acoustic agglomeration methods and apparatus
[NASA-CASE-NPO-15466-1] c 71 N82-27087
- Acoustic particle separation
[NASA-CASE-NPO-15559-1] c 71 N82-29112
- Acoustic system for material transport
[NASA-CASE-NPO-15453-1] c 71 N83-32515
- System for controlled acoustic rotation of objects
[NASA-CASE-NPO-15522-1] c 71 N83-32516
- High temperature acoustic levitator
[NASA-CASE-NPO-16022-1] c 71 N83-36847
- BARNES, J. R.**
Self-calibrating threshold detector
[NASA-CASE-MSC-16370-1] c 35 N81-19427
- BARNES, P. E.**
Cam-operated pitch-change apparatus
[NASA-CASE-LEW-13050-1] c 07 N79-14095
- BARNETT, J. H., JR.**
Life raft stabilizer
[NASA-CASE-MSC-12393-1] c 02 N73-26006
- BARNETT, M. A.**
Furlable antenna
[NASA-CASE-NPO-13553-1] c 33 N76-32457
- BARNISKIS, W. A.**
Bus voltage compensation circuit for controlling direct current motor
[NASA-CASE-XMS-04215-1] c 09 N69-39987
- BARNES, C. E.**
High acceleration cable deployment system
[NASA-CASE-ARC-11256-1] c 15 N82-24272
- BARR, T. A.**
Thickness measurement system
[NASA-CASE-MFS-23721-1] c 31 N79-28370
- BARRETT, C. A.**
Nical ternary alloy having improved cyclic oxidation resistance
[NASA-CASE-LEW-13339-1] c 26 N82-31505
- Improved nickel base coating alloy
[NASA-CASE-LEW-13834-1] c 26 N83-24639
- BARRETT, T. W.**
Personal propulsion unit Patent
[NASA-CASE-MFS-20130] c 28 N71-27585
- BARRINGTON, A. B.**
Sorption vacuum trap Patent
[NASA-CASE-XER-09519] c 14 N71-18483
- BARRINGTON, A. E.**
Leak detector wherein a probe is monitored with ultraviolet radiation Patent
[NASA-CASE-ERC-10034] c 15 N71-24896
- Field ionization electrodes Patent
[NASA-CASE-ERC-10013] c 09 N71-26678
- Ion microprobe mass spectrometer for analyzing fluid materials Patent
[NASA-CASE-ERC-10014] c 14 N71-28863
- Device for measuring light scattering wherein the measuring beam is successively reflected between a pair of parallel reflectors Patent
[NASA-CASE-XER-11203] c 14 N71-28994
- BARTERA, R. E.**
Indicator providing continuous indication of the presence of a specific pollutant in air
[NASA-CASE-NPO-13474-1] c 45 N76-21742
- Arc control in compact arc lamps
[NASA-CASE-NPO-10870-1] c 33 N77-22386
- Multiple anode arc lamp system
[NASA-CASE-NPO-10857-1] c 33 N80-14330
- BARTHOLOME, D. E.**
Space suit pressure stabilizer Patent
[NASA-CASE-XLA-05332] c 05 N71-11194
- Equipotential space suit Patent
[NASA-CASE-LAR-10007-1] c 05 N71-11195
- Therapeutic hand exerciser
[NASA-CASE-LAR-11667-1] c 52 N76-19785
- Collapsible corrugated horn antenna
[NASA-CASE-LAR-11745-1] c 32 N80-29539
- BARZA, M. J.**
Application of luciferase assay for ATP to antimicrobial drug susceptibility
[NASA-CASE-GSC-12039-1] c 51 N77-22794
- Determination of antimicrobial susceptibilities on infected unres without isolation
[NASA-CASE-GSC-12046-1] c 52 N79-14750
- BASIULIS, A.**
Method and apparatus for distillation of liquids Patent
[NASA-CASE-XNP-08124] c 15 N71-27184
- Radial heat flux transformer
[NASA-CASE-NPO-10828] c 33 N72-17948
- Method for distillation of liquids
[NASA-CASE-XNP-08124-2] c 06 N73-13129
- BASIULIS, D. I.**
High performance filleting sealant
[NASA-CASE-ARC-11409-1] c 27 N82-32490
- High performance channel injection sealant invention abstract
[NASA-CASE-ARC-14408-1] c 27 N82-33523
- BASS, A. M.**
Ultraviolet resonance lamp Patent
[NASA-CASE-ARC-10030] c 09 N71-12521
- Ultraviolet atomic emission detector
[NASA-CASE-HQN-10756-1] c 14 N72-25428
- BASTIEN, G. J.**
Fluid flow restrictor Patent
[NASA-CASE-NPO-10117] c 15 N71-15608
- BATE, E. R., JR.**
Apparatus for establishing flow of a fluid mass having a known velocity
[NASA-CASE-MFS-21424-1] c 34 N74-27730
- BATES, H. E.**
Segmenting lead telluride-silicon germanium thermoelements Patent
[NASA-CASE-XGS-05718] c 26 N71-16037
- BATHKER, D. A.**
Dual frequency microwave reflex feed
[NASA-CASE-NPO-13091-1] c 09 N73-12214
- Antenna feed system for receiving circular polarization and transmitting linear polarization
[NASA-CASE-NPO-14362-1] c 32 N80-16261
- BATSCH, F. F.**
Attitude control for spacecraft Patent
[NASA-CASE-XNP-00294] c 21 N70-36938
- Slit regulated gas journal bearing Patent
[NASA-CASE-XNP-00476] c 15 N70-38620
- BATTE, W. G.**
Exclusive-Or digital logic module Patent
[NASA-CASE-XLA-07732] c 08 N71-18751
- BATTEN, C. E.**
Visible and infrared polarization ratio spectrophotometer
[NASA-CASE-LAR-12285-1] c 35 N80-28687
- BATTERSON, S. A.**
Runway light Patent
[NASA-CASE-XLA-00119] c 11 N70-33329
- BATTS, C. N.**
Contour surveying system Patent
[NASA-CASE-XLA-08646] c 14 N71-17586
- BAUCOM, R. M.**
Extensometer frame
[NASA-CASE-XLA-10322] c 15 N72-17452
- Low X-ray absorption aneurysm clips
[NASA-CASE-LAR-12650-1] c 52 N81-29768
- BAUER, H. B.**
Air conditioning system and component therefore distributing air flow from opposite directions
[NASA-CASE-GSC-11445-1] c 31 N74-27902
- BAUERNSCHUB, J. P., JR.**
Folding boom assembly Patent
[NASA-CASE-XGS-00938] c 32 N70-41367
- Nonmagnetic, explosive actuated indexing device Patent
[NASA-CASE-XGS-02422] c 15 N71-21529
- BAUGHMAN, J. R.**
Observation window for a gas confining chamber
[NASA-CASE-NPO-10890] c 11 N73-12265
- Droplet monitoring probe
[NASA-CASE-NPO-10985] c 14 N73-20478
- BAUMAN, A. J.**
Solder flux which leaves corrosion-resistant coating Patent
[NASA-CASE-XNP-03459-2] c 18 N71-15688
- Soldering with solder flux which leaves corrosion resistant coating Patent
[NASA-CASE-XNP-03459] c 15 N71-21078
- Fluid impervious barrier including liquid metal alloy and method of making same Patent
[NASA-CASE-XNP-08881] c 17 N71-28747
- Molten salt pyrolysis of latex
[NASA-CASE-NPO-14315-1] c 27 N81-17261
- BAUMER, W. E.**
Counter Patent
[NASA-CASE-XNP-06234] c 10 N71-27137
- BAXTER, R. D.**
Heat flux measuring system Patent
[NASA-CASE-XFR-03802] c 33 N71-23085
- BAYLESS, G. B.**
Line hook with loop expander
[NASA-CASE-LAR-12875-1] c 37 N83-20156
- BEALE, H. A.**
Hall effect magnetometer
[NASA-CASE-LEW-11632-2] c 35 N75-13213
- BEAM, B. H.**
Thermoelectric radiometer utilizing polymer film
[NASA-CASE-ARC-10138-1] c 14 N72-24477
- BEAM, R. A.**
Optical projector system Patent
[NASA-CASE-XNP-03853] c 23 N71-21882
- BEAM, R. M.**
Solid medium thermal engine
[NASA-CASE-XLA-10461-1] c 44 N74-33379
- BEASLEY, R. M.**
Two-component ceramic coating for silica insulation
[NASA-CASE-MSC-14270-1] c 27 N76-22377
- Three-component ceramic coating for silica insulation
[NASA-CASE-MSC-14270-2] c 27 N76-23426
- BEASLEY, W. D.**
Continuously operating induction plasma accelerator Patent
[NASA-CASE-XLA-01354] c 25 N70-36946
- BEATTY, R. W.**
Rotary vane attenuator wherein rotor has orthogonally disposed resistive and dielectric cards
[NASA-CASE-NPO-11418-1] c 14 N73-13420
- BEAUREGARD, W. W.**
Water separating system Patent
[NASA-CASE-XMS-13052] c 14 N71-20427
- BECK, A. F.**
Small plasma probe Patent
[NASA-CASE-XLE-02578] c 25 N71-20747
- BECK, T. R.**
Method of inhibiting stress corrosion cracks in titanium alloys Patent
[NASA-CASE-NPO-10271] c 17 N71-16393
- BECKER, R. A.**
Photoelectric energy spectrometer Patent
[NASA-CASE-XNP-04161] c 14 N71-15599
- BECKERLE, L. D.**
Heat shield oven
[NASA-CASE-XMS-04318] c 15 N69-27871
- BECKMAN, P.**
Probes having nng and primary sensor at same potential to prevent collection of stray wall currents in ionized gases
[NASA-CASE-XLE-00690] c 25 N69-39884
- BECKWITH, I. E.**
Sound shield
[NASA-CASE-LAR-12883-1] c 71 N83-17235
- BECKWITH, R. M.**
Mechanical coordinate converter Patent
[NASA-CASE-XNP-00614] c 14 N70-36907
- BEEHM, J. M.**
Optical tracking mount Patent
[NASA-CASE-MFS-14017] c 14 N71-26627

- BEEKMAN, S. W.**
Redundant disc
[NASA-CASE-LEW-12496-1] c 07 N78-33101
- BEEN, J. F.**
Method and apparatus for measuring electromagnetic radiation
[NASA-CASE-LEW-11159-1] c 14 N73-28488
- BEER, R.**
Cooled echelle grating spectrometer
[NASA-CASE-NPO-14372-1] c 35 N80-26635
- BEHMER, H.**
High-torque open-end wrench
[NASA-CASE-NPO-13541-1] c 37 N79-14383
- BEHM, J. W.**
Solid propellant rocket motor
[NASA-CASE-NPO-11559-1] c 28 N73-24784
- BEITLER, R. S.**
Integrated control system for a gas turbine engine
[NASA-CASE-LEW-12594-2] c 07 N81-19116
Control means for a gas turbine engine
[NASA-CASE-LEW-14586-1] c 07 N83-31603
- BEJCZY, A. K.**
Terminal guidance sensor system
[NASA-CASE-NPO-14521-1] c 54 N79-20746
Terminal guidance sensor system
[NASA-CASE-NPO-14521-1] c 37 N81-27519
Optical fiber tactile sensor
[NASA-CASE-NPO-15375-1] c 74 N83-18485
- BELANGER, R. J.**
Fluid lubricant system Patent
[NASA-CASE-XNP-03972] c 15 N71-23048
- BELASCO, N.**
Medical subject monitoring systems
[NASA-CASE-MSC-14180-1] c 52 N76-14757
- BELCHER, J. G., JR.**
Liquid immersion apparatus for minute articles
[NASA-CASE-MFS-25363-1] c 37 N82-12441
- BELEW, H. W., JR.**
Altitude simulation chamber for rocket engine testing
[NASA-CASE-MFS-20620] c 11 N72-27262
- BELEW, R. R.**
Thermal compensating structural member
[NASA-CASE-MFS-20433] c 15 N72-28496
Docking structure for spacecraft
[NASA-CASE-MFS-20863] c 31 N73-26876
Emergency descent device
[NASA-CASE-MFS-23074-1] c 54 N77-21844
Biocentrifuge system capable of exchanging specimen cages while in operational mode
[NASA-CASE-MFS-23825-1] c 51 N81-32829
Electrical rotary joint apparatus for large space structures
[NASA-CASE-MFS-23981-1] c 07 N83-20944
Variable length strut with longitudinal compliance and locking capability
[NASA-CASE-MFS-25907-1] c 37 N83-31019
- BELL, A.**
Process for preparing higher oxides of the alkali and alkaline earth metals
[NASA-CASE-ARC-10992-1] c 26 N78-32229
- BELL, C. H.**
Fiber optic multiplex optical transmission system
[NASA-CASE-KSC-11047-1] c 74 N78-14889
Fiber optic crossbar switch for automatically patching optical signals
[NASA-CASE-KSC-11104-1] c 74 N83-29032
- BELL, D., III**
Heated element fluid flow sensor Patent
[NASA-CASE-MSC-12084-1] c 12 N71-17569
- BELL, V. L.**
Polyimide adhesives
[NASA-CASE-LAR-11397-1] c 27 N75-29263
Polyimide adhesives
[NASA-CASE-LAR-12181-1] c 27 N78-17205
Process for preparing thermoplastic aromatic polyimides
[NASA-CASE-LAR-11828-1] c 27 N78-32261
- BELL, V. L., JR.**
Process for interfacial polymerization of pyromellitic dianhydride and 1,2,4, 5-tetraamino-benzene Patent
[NASA-CASE-XLA-03104] c 06 N71-11235
Imidazopyrrolone/imide copolymers Patent
[NASA-CASE-XLA-08802] c 06 N71-11238
Dosimeter for high levels of absorbed radiation
[NASA-CASE-XLA-03645] c 14 N71-20430
- BELLAVIA, J., JR.**
Thermal barrier pressure seal
[NASA-CASE-MSC-18134-1] c 37 N81-15363
- BELLMAN, D. R.**
Skin friction measuring device for aircraft
[NASA-CASE-FRC-11029-1] c 06 N81-17057
- BELT, J. L.**
Telephone multiline signaling using common signal pair
[NASA-CASE-KSC-11023-1] c 32 N79-23310
- BEMENT, L. J.**
Linear explosive comparison
[NASA-CASE-LAR-10800-1] c 33 N72-27959
Totally confined explosive welding
[NASA-CASE-LAR-10941-1] c 37 N74-21057
Method of making an explosively welded scarf joint
[NASA-CASE-LAR-11211-1] c 37 N75-12326
Totally confined explosive welding
[NASA-CASE-LAR-10941-2] c 37 N79-13364
Explosively activated egress area
[NASA-CASE-LAR-12624-1] c 01 N83-35992
- BENEDICT, R. D.**
Transient augmentation circuit for pulse amplifiers Patent
[NASA-CASE-XNP-01068] c 10 N71-28739
- BENEDICTO, J. S. J.**
Method and apparatus for slicing crystals
[NASA-CASE-GSC-12291-1] c 76 N80-18951
Crystal cleaving machine
[NASA-CASE-GSC-12584-1] c 37 N82-32730
- BENGTSON, R. D.**
Fast opening diaphragm Patent
[NASA-CASE-XLA-03660] c 15 N71-21060
- BENHAM, J. W.**
Voltage feed through apparatus having reduced partial discharge
[NASA-CASE-GSC-12347-1] c 33 N80-18286
- BENNETT, G. W.**
Control means for a gas turbine engine
[NASA-CASE-LEW-14586-1] c 07 N83-31603
- BENNETT, J. D.**
Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114] c 15 N71-17650
Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114-3] c 15 N71-24865
Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114-2] c 15 N71-26148
- BENZ, H. A.**
Image readout device with electronically variable spatial resolution
[NASA-CASE-LAR-12633-1] c 33 N82-24416
- BERDAHL, C. M.**
Selective image area control of X-ray film exposure density
[NASA-CASE-NPO-13808-1] c 35 N78-15481
Thermal energy transformer
[NASA-CASE-NPO-14058-1] c 44 N79-18443
- BEREMAND, D. G.**
Direct heating surface combustor
[NASA-CASE-LEW-11877-1] c 34 N78-27357
Free-piston regenerative hot gas hydraulic engine
[NASA-CASE-LEW-12274-1] c 37 N80-31790
- BEREMAND, G. B.**
Method of making fiber composites
[NASA-CASE-LEW-10424-2-2] c 18 N72-25539
- BERG, O. E.**
Dust particle injector for hypervelocity accelerators Patent
[NASA-CASE-XGS-06628] c 24 N71-16213
Cosmic dust sensor
[NASA-CASE-GSC-10503-1] c 14 N72-20381
- BERGE, L. H.**
Method and apparatus for shaping and enhancing acoustical levitation forces
[NASA-CASE-MFS-25050-1] c 71 N81-15767
Gas levitator having fixed levitation node for containerless processing
[NASA-CASE-MFS-25509-1] c 35 N83-24828
- BERGLUND, R. A.**
Erectable modular space station Patent
[NASA-CASE-XLA-00678] c 31 N70-34296
- BERGSTROM, S. L.**
Production of butanol by fermentation in the presence of co-culture of clostridium
[NASA-CASE-NPO-16203-1] c 44 N83-29806
- BERKMAN, S.**
Means for growing ribbon crystals without subjecting the crystals to thermal shock-induced strains
[NASA-CASE-NPO-14298-1] c 76 N80-32244
Apparatus for use in the production of ribbon-shaped crystals from a silicon melt
[NASA-CASE-NPO-14297-1] c 33 N81-19389
- BERKOPEC, F. D.**
Process for preparing liquid metal electrical contact device
[NASA-CASE-LEW-11978-1] c 33 N77-26385
- BERMAN, P. A.**
Solar cell grid patterns
[NASA-CASE-NPO-13087-2] c 44 N76-31666
- BERNARDIN, R. M.**
Measuring device Patent
[NASA-CASE-XMS-01546] c 14 N70-40233
- BERNATOWICZ, D. T.**
Method of making silicon solar cell array
[NASA-CASE-LEW-11069-1] c 44 N74-14784
- BERNSEN, B.**
Electrical apparatus for detection of thermal decomposition of insulation Patent
[NASA-CASE-XMF-03968] c 14 N71-27186
- BERNSTEIN, A. J.**
Automatic communication signal monitoring system
[NASA-CASE-NPO-13941-1] c 32 N79-10262
- BERRIER, B. L.**
Thrust augmented spin recovery device
[NASA-CASE-LAR-11970-2] c 08 N81-19130
- BERRY, E. H.**
Positive dc to positive dc converter Patent
[NASA-CASE-XMF-14301] c 09 N71-23188
Positive dc to negative dc converter Patent
[NASA-CASE-XMF-08217] c 03 N71-23239
- BERSON, L. A.**
Portable 90 deg proof loading device
[NASA-CASE-MSC-20250-1] c 37 N83-29707
- BESSETTE, R. J.**
Space suit
[NASA-CASE-MSC-12609-1] c 05 N73-32012
- BESWICK, A. G.**
Lunar penetrometer Patent
[NASA-CASE-XLA-00934] c 14 N71-22765
- BEUYUKIAN, C. S.**
Tube dimpling tool Patent
[NASA-CASE-XMS-06876] c 15 N71-21536
Heat treat fixture and method of heat treating
[NASA-CASE-LAR-11821-1] c 28 N80-28492
- BEYLIK, C. M.**
Pressure seal Patent
[NASA-CASE-NPO-10796] c 15 N71-27068
- BHAGAT, P. K.**
Apparatus for determining changes in limb volume
[NASA-CASE-MSC-18759-1] c 52 N83-27578
- BHAT, B. N.**
Method of growing composites of the type exhibiting the Soret effect
[NASA-CASE-MFS-22926-1] c 24 N77-27187
- BHIWANDKER, N. C.**
Method for making conductors for ferrite memory arrays
[NASA-CASE-LAR-10994-1] c 24 N75-13032
- BIBBO, C.**
Flexible seal for valves Patent
[NASA-CASE-XLE-00101] c 15 N70-33376
- BICKLER, D. B.**
Electrodes for solid state devices
[NASA-CASE-NPO-15161-1] c 33 N82-26575
- BICKLER, T. C.**
Synthetic aperture radar target simulator
[NASA-CASE-NPO-15024-1] c 32 N82-10286
- BICKNELL, T. J.**
An electro-optical Doppler tracker means and method for optical correlation of synthetic aperture radar data
[NASA-CASE-NPO-14998-1] c 33 N81-15194
Servomechanism for Doppler shift compensation in optical correlator for synthetic aperture radar
[NASA-CASE-NPO-14998-1] c 32 N83-18975
- BIEHL, A. J.**
Hypervelocity gun
[NASA-CASE-XLE-03186-1] c 09 N79-21084
- BIENIEK, T.**
Metal containing polymers from cyclic tetrameric phenylphosphonitriamides Patent
[NASA-CASE-HQN-10364] c 06 N71-27363
- BIER, M.**
Electrophoretic fractional elution apparatus employing a rotational seal fraction collector
[NASA-CASE-MFS-23284-1] c 37 N80-14397
- BIKLE, P. F.**
System for use in conducting wake investigation for a wing in flight
[NASA-CASE-FRC-11024-1] c 02 N80-28300
- BILBRO, J. W.**
Focused laser Doppler velocimeter
[NASA-CASE-MFS-23178-1] c 35 N77-10493
- BILDERBACK, R. R.**
Amplitude modulated laser transmitter Patent
[NASA-CASE-XMS-04269] c 16 N71-22895
- BILES, J. E., JR.**
High impact pressure regulator Patent
[NASA-CASE-NPO-10175] c 14 N71-18625
- BILL, R. C.**
Composite seal for turbomachinery
[NASA-CASE-LEW-12131-1] c 37 N79-18318
Gas path seal
[NASA-CASE-NPO-12131-3] c 37 N80-18400
Composite seal for turbomachinery
[NASA-CASE-LEW-12131-2] c 37 N80-26658
Composite seal for turbomachinery
[NASA-CASE-LEW-12131-3] c 37 N82-19540

- Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-2] c 37 N82-26674
- Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-1] c 27 N82-29453
- Method of fabricating an abradable gas path seal
[NASA-CASE-LEW-13269-2] c 27 N83-17714
- Laser surface fusion of plasma sprayed ceramic turbine seals
[NASA-CASE-LEW-13269-1] c 18 N83-20996
- Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-3] c 37 N83-28450
- Thermal barrier coating system having improved adhesion
[NASA-CASE-LEW-1335901] c 27 N83-31855
- BILLINGHAM, J.**
Temperature controller for a fluid cooled garment
[NASA-CASE-ARC-10599-1] c 05 N73-26071
- BILLINGS, C. R.**
Emergency escape system Patent
[NASA-CASE-XKS-07814] c 15 N71-27067
- BILLINGSLEY, F. C.**
Electro-optical scanning apparatus Patent Application
[NASA-CASE-NPO-11106] c 14 N70-34697
- Image data rate converter having a drum with a fixed head and a rotatable head
[NASA-CASE-NPO-11659-1] c 35 N74-11283
- BILLMAN, K. W.**
Method and apparatus for wavelength tuning of liquid lasers
[NASA-CASE-ERC-10187] c 16 N69-31343
- Infrared tunable laser
[NASA-CASE-ARC-10463-1] c 09 N73-32111
- Alignment apparatus using a laser having a gravitationally sensitive cavity reflector
[NASA-CASE-ARC-10444-1] c 16 N73-33397
- Measurement of plasma temperature and density using radiation absorption
[NASA-CASE-ARC-10598-1] c 75 N74-30156
- BILLOW, N.**
Thiophenyl ether disiloxanes and trisiloxanes useful as lubricant fluids
[NASA-CASE-MFS-22411-1] c 37 N74-21058
- BINCKLEY, W. G.**
Voltage regulator with plural parallel power source sections Patent
[NASA-CASE-GSC-10891-1] c 10 N71-26626
- BINGHAM, G. J.**
Helicopter rotor airfoil
[NASA-CASE-LAR-12396-1] c 02 N79-24958
- BIRCHENOUGH, A. G.**
Switching regulator
[NASA-CASE-LEW-11005-1] c 09 N72-21243
- Electronic analog divider
[NASA-CASE-LEW-11881-1] c 33 N77-17354
- Sustained arc ignition system
[NASA-CASE-LEW-12444-1] c 33 N77-28385
- BIRD, J. D.**
Jet shoes
[NASA-CASE-XLA-08491] c 05 N69-21380
- BIRD, R. G.**
Portable 90 deg proof loading device
[NASA-CASE-MSC-20250-1] c 37 N83-29707
- BISHOP, O. L.**
Broadband choke for antenna structure
[NASA-CASE-XMS-05303] c 07 N69-27462
- BISHOP, R. E.**
Optical alignment system Patent
[NASA-CASE-XNP-02029] c 14 N70-41955
- BLACK, D. H.**
Horizontally mounted solar collector
[NASA-CASE-MFS-23349-1] c 44 N79-23481
- BLACK, I. A.**
Apparatus for measuring thermal conductivity Patent
[NASA-CASE-XGS-01052] c 14 N71-15992
- BLACK, J. M.**
Full wave modulator-demodulator amplifier apparatus
[NASA-CASE-FRC-10072-1] c 33 N74-14939
- Window comparator
[NASA-CASE-FRC-10090-1] c 33 N78-18308
- Voltage regulator for battery power source
[NASA-CASE-FRC-10116-1] c 33 N79-23345
- Active notch filter network with variable notch depth, width and frequency
[NASA-CASE-FRC-11055-1] c 33 N80-29583
- Power converter
[NASA-CASE-FRC-11014-1] c 33 N82-18494
- BLACK, S. H.**
Automatic gain control system
[NASA-CASE-XMS-05307] c 09 N69-24330
- BLACK, W. W.**
Triaxial antenna Patent
[NASA-CASE-XGS-02290] c 07 N71-28809
- BLACKABY, J. R.**
Temperature controller for a fluid cooled garment
[NASA-CASE-ARC-10599-1] c 05 N73-26071
- BLACKSTOCK, T. A.**
Ferry system
[NASA-CASE-LAR-10574-1] c 11 N73-13257
- BLAIR, G. R.**
Inorganic thermal control pigment Patent
[NASA-CASE-XNP-02139] c 18 N71-24184
- BLAISE, H. T.**
Air cushion lift pad Patent
[NASA-CASE-MFS-14685] c 31 N71-15689
- Methods and apparatus employing vibratory energy for wrenching Patent
[NASA-CASE-MFS-20586] c 15 N71-17686
- Remote manipulator system
[NASA-CASE-MFS-22022-1] c 37 N76-15460
- BLANCHARD, W. S., JR.**
Space capsule Patent
[NASA-CASE-XLA-00149] c 31 N70-37938
- Space capsule Patent
[NASA-CASE-XLA-01332] c 31 N71-15664
- Lateral displacement system for separated rocket stages Patent
[NASA-CASE-XLA-04804] c 31 N71-23008
- High lift aircraft
[NASA-CASE-LAR-11252-1] c 05 N75-25914
- BLANCHE, J. F.**
Electrical feed-through connection for printed circuit boards and printed cable
[NASA-CASE-XMF-01483] c 14 N69-27431
- BLAND, C.**
Bacteriostatic conformal coating and methods of application Patent
[NASA-CASE-GSC-10007] c 18 N71-16046
- BLAND, W. M., JR.**
Survival couch Patent
[NASA-CASE-XLA-00118] c 05 N70-33285
- BLANKENSHIP, C. P.**
Protective device for machine and metalworking tools Patent
[NASA-CASE-XLE-01092] c 15 N71-22797
- Tantalum modified ferritic iron base alloys
[NASA-CASE-LEW-12095-1] c 26 N78-18182
- BLAZE, C. J.**
Formed metal ribbon wrap Patent
[NASA-CASE-XLE-00164] c 15 N70-36411
- BLESS, J. J.**
Shunt regulation electric power system
[NASA-CASE-GSC-10135] c 33 N78-17296
- BLOCH, J. T.**
Method and apparatus for fabricating improved solar cell modules
[NASA-CASE-NPO-14416-1] c 44 N81-14389
- BLOOMFIELD, H. S.**
In-situ laser retorting of oil shale
[NASA-CASE-LEW-12217-1] c 43 N78-14452
- BLOSSER, E. R.**
Method for determining presence of OH in magnesium oxide
[NASA-CASE-NPO-10774] c 06 N72-17095
- BLUE, J. W.**
Production of high purity I-123
[NASA-CASE-LEW-10518-1] c 24 N72-33681
- Method of producing I-123
[NASA-CASE-LEW-11390-2] c 25 N76-27383
- Production of I-123
[NASA-CASE-LEW-11390-3] c 25 N76-29379
- Targets for producing high purity I-123
[NASA-CASE-LEW-10518-3] c 25 N78-27226
- BLUM, P.**
Rock sampling
[NASA-CASE-XNP-10007-1] c 46 N74-23068
- Rock sampling
[NASA-CASE-XNP-09755] c 46 N74-23069
- BLUME, H. C.**
Parametric amplifiers with idler circuit feedback
[NASA-CASE-LAR-10253-1] c 09 N72-25258
- BLUMRICH, J. F.**
Pivotal shock absorbing pad assembly Patent
[NASA-CASE-XMF-03856] c 31 N70-34159
- Landing pad assembly for aerospace vehicles Patent
[NASA-CASE-XMF-02853] c 31 N70-36654
- Double-acting shock absorber Patent
[NASA-CASE-XMF-01045] c 15 N70-40354
- Tank construction for space vehicles Patent
[NASA-CASE-XMF-01899] c 31 N70-41948
- Docking structure for spacecraft Patent
[NASA-CASE-XMF-05941] c 31 N71-23912
- Omnidirectional wheel
[NASA-CASE-MFS-21309-1] c 37 N74-18125
- BLUTINGER, B.**
Signal generator
[NASA-CASE-XNP-05612] c 09 N69-21468
- BLYMILLER, E. R.**
Microcircuit negative cutter
[NASA-CASE-XLA-09843] c 15 N72-27485
- BOATRIGHT, W. B.**
Apparatus and method for generating large mass flow of high temperature air at hypersonic speeds
[NASA-CASE-LAR-10578-1] c 12 N73-25262
- BOCKWOLDT, W. H.**
Narrow bandwidth video Patent
[NASA-CASE-XMS-06740-1] c 07 N71-26579
- BOEDY, D. D.**
Power supply circuit Patent
[NASA-CASE-XMS-00913] c 10 N71-23543
- BOEHM, J.**
Gravity device Patent
[NASA-CASE-XMF-00424] c 11 N70-38196
- BOEHME, R. J.**
Electrical rotary joint apparatus for large space structures
[NASA-CASE-MFS-23981-1] c 07 N83-20944
- BOER, K. W.**
High field CdS detector for infrared radiation
[NASA-CASE-XLA-11027-1] c 35 N74-18088
- BOEX, M. W.**
Filter regeneration systems
[NASA-CASE-MSC-14273-1] c 34 N75-33342
- BOGNER, R. S.**
Storage battery comprising negative plates of a wedge shaped configuration
[NASA-CASE-NPO-11806-1] c 44 N74-19693
- BOGUSZ, F. J.**
Pressure transducer calibrator Patent
[NASA-CASE-XNP-01660] c 14 N71-23036
- BOIES, R. D.**
Instrument for measuring potentials on two dimensional electric field plots Patent
[NASA-CASE-XLA-08493] c 10 N71-19421
- BOISSEVAIN, A. G.**
Optical machine tool alignment indicator Patent
[NASA-CASE-XAC-09489-1] c 15 N71-26673
- BOLT, C. A., JR.**
Broadband choke for antenna structure
[NASA-CASE-XMS-05303] c 07 N69-27462
- BOLTON, P. N.**
Fire extinguishing apparatus having a slidable mass for a penetrator nozzle
[NASA-CASE-KSC-11064-1] c 31 N81-14137
- BOND, W. W.**
Connector internal force gauge Patent
[NASA-CASE-XNP-03918] c 14 N71-23087
- BONISCH, F. H.**
Locking redundant link
[NASA-CASE-LAR-11900-1] c 37 N79-14382
- BONN, J. L.**
Wire grid forming apparatus Patent
[NASA-CASE-XLE-00023] c 15 N70-33330
- BONO, P.**
Recoverable single stage spacecraft booster Patent
[NASA-CASE-XMF-01973] c 31 N70-41588
- BOODLEY, L. E.**
Connector strips-positive, negative and T tabs
[NASA-CASE-XGS-01395] c 03 N69-21539
- BOOM, R. W.**
Stable superconducting magnet
[NASA-CASE-XMF-05373-1] c 33 N79-21264
- BOOTH, F. W.**
Condenser - Separator
[NASA-CASE-LAR-08645] c 15 N69-21465
- Separator Patent
[NASA-CASE-XLA-00415] c 15 N71-16079
- Thermal pump-compressor for space use Patent
[NASA-CASE-XLA-00377] c 33 N71-17610
- Soldering device Patent
[NASA-CASE-XLA-08911] c 15 N71-27214
- Air removal device
[NASA-CASE-XLA-8914] c 15 N73-12492
- Zero gravity liquid mixer
[NASA-CASE-LAR-10195-1] c 15 N73-19458
- Centrifugal lyophobic separator
[NASA-CASE-LAR-10194-1] c 34 N74-30608
- Air removal device
[NASA-CASE-XLA-8914-2] c 25 N82-21269
- BOOTH, R. A.**
Solid state switch
[NASA-CASE-XNP-09228] c 09 N69-27500
- BORELLI, M. T.**
Adaptive tracking notch filter system Patent
[NASA-CASE-XMF-01892] c 10 N71-22986
- BOROSON, H. R.**
Wide range linear fluxgate magnetometer Patent
[NASA-CASE-XGS-01587] c 14 N71-15962
- BOSCO, G. B., JR.**
Rotating shaft seal Patent
[NASA-CASE-XNP-02862-1] c 15 N71-26294

- BOSHERS, W. A.**
Battery testing device [NASA-CASE-MFS-20761-1] c 44 N74-27519
Rapid activation and checkout device for batteries [NASA-CASE-MFS-22749-1] c 44 N76-14601
Lead-oxygen dc power supply system having a closed loop oxygen and water system [NASA-CASE-MFS-23059-1] c 44 N76-27664
- BOSTON, R. E.**
X-Y alphanumeric character generator for oscilloscopes [NASA-CASE-GSC-11582-1] c 33 N75-19517
- BOTTOMS, D. J.**
Turnstile and flared cone UHF antenna [NASA-CASE-LAR-10970-1] c 33 N76-14372
- BOULDIN, D. L.**
Multilevel metallization method for fabricating a metal oxide semiconductor device [NASA-CASE-MFS-23541-1] c 76 N79-14906
- BOURKE, D. G.**
Data compression system with a minimum time delay unit Patent [NASA-CASE-XNP-08832] c 08 N71-12506
- BOUSMAN, W. G.**
Hingeless helicopter rotor with improved stability [NASA-CASE-ARC-10807-1] c 05 N77-17029
- BOWER, K. F.**
Buffered analog converter [NASA-CASE-KSC-10397] c 08 N72-25206
- BOXWELL, D. A.**
Acoustically swept rotor [NASA-CASE-ARC-11106-1] c 05 N80-14107
- BOYLE, J. C.**
Balance torque meter Patent [NASA-CASE-XGS-01013] c 14 N71-23725
- BOYLE, J. V., JR.**
Adjustable attitude guide device Patent [NASA-CASE-XLA-07911] c 15 N71-15571
Canister closing device Patent [NASA-CASE-XLA-01446] c 15 N71-21528
- BOZAJIAN, J. M.**
Thermal switch Patent [NASA-CASE-XNP-00463] c 33 N70-36847
- BRADFELD, S. P., III**
Unbalanced quadrature demodulator [NASA-CASE-MSC-14840-1] c 32 N77-24331
- BRADLEY, R. H.**
Emergency earth orbital escape device [NASA-CASE-MSC-13281] c 31 N72-18859
A method of delivering a vehicle to earth orbit and returning the reusable portion thereof to earth [NASA-CASE-MSC-12391] c 30 N73-12884
- BRADY, J. C.**
Surface roughness detector Patent [NASA-CASE-XLA-00203] c 14 N70-34161
- BRAINARD, W. A.**
Improved refractory coatings [NASA-CASE-LEW-23169-2] c 26 N81-16209
Refractory coatings and method of producing the same [NASA-CASE-LEW-13169-1] c 26 N82-29415
Refractory coatings [NASA-CASE-LEW-13169-2] c 26 N82-30371
- BRANDHORST, H. W., JR.**
Rapidly pulsed, high intensity, incoherent light source [NASA-CASE-XLE-2529-3] c 33 N74-20859
High power laser apparatus and system [NASA-CASE-XLE-2529-2] c 36 N75-27364
Solar cell assembly [NASA-CASE-LEW-11549-1] c 44 N77-19571
Application of semiconductor diffusants to solar cells by screen printing [NASA-CASE-LEW-12775-1] c 44 N79-11468
Back wall solar cell [NASA-CASE-LEW-12236-2] c 44 N79-14528
- BRANDON, C. A.**
Method of forming dynamic membrane on stainless steel support [NASA-CASE-MSC-18172-1] c 26 N80-19237
- BRANSTETTER, J. R.**
Black-body furnace Patent [NASA-CASE-XLE-01399] c 33 N71-15625
- BRANTLEY, J. W.**
Leading edge protection for composite blades [NASA-CASE-LEW-12550-1] c 24 N77-19170
- BRANTLEY, L. W., JR.**
Solar energy absorber [NASA-CASE-MFS-22743-1] c 44 N76-22657
Solar energy trap [NASA-CASE-MFS-22744-1] c 44 N76-24696
Thermal energy storage system [NASA-CASE-MFS-23167-1] c 44 N76-31667
Mount for continuously orienting a collector dish in a system adapted to perform both diurnal and seasonal solar tracking [NASA-CASE-MFS-23267-1] c 35 N77-20401
- BRASCHWITZ, J. M.**
External liquid-spray cooling of turbine blades Patent [NASA-CASE-XLE-00037] c 28 N70-33372
- BRAUN, W.**
Ultraviolet atomic emission detector [NASA-CASE-HQN-10756-1] c 14 N72-25428
- BRAWNER, C. C.**
Specific wavelength colorimeter [NASA-CASE-MSC-14081-1] c 35 N74-27860
- BRAWNER, E. L.**
Color perception tester [NASA-CASE-KSC-10278] c 05 N72-16015
- BREALT, R. P.**
System for the measurement of ultra-low stray light levels [NASA-CASE-MFS-23513-1] c 74 N79-11865
- BREAZEALE, M. A.**
Liquid-immersible electrostatic ultrasonic transducer [NASA-CASE-LAR-12465-1] c 33 N82-26572
- BRECKENRIDGE, R.**
Pyroelectric detector arrays [NASA-CASE-LAR-12363-2] c 33 N83-24763
- BRECKENRIDGE, R. A.**
Vapor phase growth of groups 3-5 compounds by hydrogen chloride transport of the elements [NASA-CASE-LAR-11144-1] c 25 N75-26043
Magnetometer with a miniature transducer and automatic scanning [NASA-CASE-LAR-11617-2] c 35 N78-32397
Pyroelectric detector arrays [NASA-CASE-LAR-12363-1] c 35 N82-31659
- BRECKINRIDGE, J. B.**
Interferometer [NASA-CASE-NPO-14502-1] c 74 N81-17888
Interferometer [NASA-CASE-NPO-14448-1] c 74 N81-29963
Integrated optics in an electrically scanned imaging Fourier transform spectrometer [NASA-CASE-NPO-15844-1] c 74 N83-12992
Optical system [NASA-CASE-NPO-15801-1] c 74 N83-25541
- BREED, L. L.**
Fluorinated esters of polycarboxylic acids [NASA-CASE-MFS-21040-1] c 06 N73-30098
- BREED, L. W.**
Preparation of ordered poly /arylenesiloxane/ polymers [NASA-CASE-XMF-10753] c 06 N71-11237
- BREEZE, R. K.**
Method and system for respiration analysis Patent [NASA-CASE-XFR-08403] c 05 N71-11202
- BREGMAN, B. J.**
Derivation of a tangent function using an integrated circuit four-quadrant multiplier [NASA-CASE-MSC-13907-1] c 10 N73-26230
- BREITWIESER, R.**
High current electrical lead [NASA-CASE-LEW-10950-1] c 33 N74-27683
- BREJCHA, A. G., JR.**
Coaxial cable connector Patent [NASA-CASE-XNP-04732] c 09 N71-20851
- BRESHEARS, R. R.**
Plasma igniter for internal combustion engine [NASA-CASE-NPO-13828-1] c 37 N79-11405
- BREUER, D. R.**
Temperature compensated current source [NASA-CASE-MSC-11235] c 33 N78-17294
- BREY, H.**
Frequency division multiplex technique [NASA-CASE-KSC-10521] c 07 N73-20176
FM/CW radar system [NASA-CASE-MFS-22234-1] c 32 N79-10264
- BRICKER, R. W.**
Mass measuring system Patent [NASA-CASE-XMS-03371] c 05 N70-42000
- BRIGHT, C. W.**
Prosthesis coupling [NASA-CASE-KSC-11069-1] c 52 N79-26772
- BRINICH, P. F.**
Electrothermal rockets having improved heat exchangers Patent [NASA-CASE-XLE-01783] c 28 N70-34175
- BRINKS, B. J.**
Plating nickel on aluminum castings Patent [NASA-CASE-XNP-04148] c 17 N71-24830
- BRISKEN, A. F.**
Automatic transponder [NASA-CASE-GSC-12075-1] c 32 N77-31350
- BRISSENDEN, R. F.**
Cable arrangement for rigid tethering Patent [NASA-CASE-XLA-02332] c 32 N71-17609
- BRITT, T. O.**
Remote lightning monitor system [NASA-CASE-KSC-11031-1] c 33 N79-11315
- BRITZ, W. J.**
Rapid activation and checkout device for batteries [NASA-CASE-MFS-22749-1] c 44 N76-14601
Lead-oxygen dc power supply system having a closed loop oxygen and water system [NASA-CASE-MFS-23059-1] c 44 N76-27664
- BROCK, F. J.**
Gauge calibration by diffusion [NASA-CASE-XGS-07752] c 14 N73-30390
Ultrahigh vacuum measuring ionization gauge [NASA-CASE-XLA-05087] c 14 N73-30391
- BROCKMAN, M. H.**
Charge storage diode modulators and demodulators [NASA-CASE-NPO-10189-1] c 33 N77-21314
Radio frequency arraying method for receivers [NASA-CASE-NPO-14328-1] c 32 N80-18253
Faraday rotation measurement method and apparatus [NASA-CASE-NPO-14839-1] c 35 N82-15381
- BRODER, J. D.**
Method of making electrical contact on silicon solar cell and resultant product Patent [NASA-CASE-XLE-04787] c 03 N71-20492
Method of making silicon solar cell array [NASA-CASE-LEW-11069-1] c 44 N74-14784
Covered silicon solar cells and method of manufacture [NASA-CASE-LEW-11065-2] c 44 N76-14600
Silicon nitride coated, plastic covered solar cell [NASA-CASE-LEW-11496-1] c 44 N77-14580
- BRODERICK, J. C.**
Solid state television camera system Patent [NASA-CASE-XMF-06092] c 07 N71-24612
- BRODERICK, R. F.**
Signal ratio system utilizing voltage controlled oscillators Patent [NASA-CASE-XMF-04367] c 09 N71-23545
Radar antenna system for acquisition and tracking Patent [NASA-CASE-XMS-09610] c 07 N71-24625
- BRODIE, S. B.**
Variable ratio mixed-mode bilateral master-slave control system for shuttle remote manipulator system [NASA-CASE-MSC-14245-1] c 18 N75-27041
- BROKL, S. S.**
Numerical computer peripheral interactive device with manual controls [NASA-CASE-NPO-11497] c 08 N73-25206
- BROMAN, C. L.**
Dual output variable pitch turbofan actuation system [NASA-CASE-LEW-12419-1] c 07 N77-14025
- BROOKS, A. D.**
Particulate and aerosol detector [NASA-CASE-LAR-11434-1] c 35 N76-22509
- BROOKS, D. E.**
Method for separating biological cells [NASA-CASE-MFS-23883-1] c 51 N80-16715
- BROOKS, G. W.**
Impact simulator Patent [NASA-CASE-XLA-00493] c 11 N70-34786
Flexible ring slosh damping baffle Patent [NASA-CASE-LAR-10317-1] c 32 N71-16103
Lunar penetrometer Patent [NASA-CASE-XLA-00934] c 14 N71-22765
- BROOKS, J. D.**
Continuously operating induction plasma accelerator Patent [NASA-CASE-XLA-01354] c 25 N70-36946
- BROOKS, R. A.**
Capacitive tank gaging apparatus being independent of liquid distribution [NASA-CASE-MFS-21629] c 14 N72-22442
- BROOKS, R. L.**
Fluid sample collection and distribution system [NASA-CASE-MSC-16841-1] c 34 N79-24285
Method for detecting coliform organisms [NASA-CASE-ARC-11322-1] c 51 N83-28849
- BROSH, A.**
Flow separation detector [NASA-CASE-ARC-11046-1] c 35 N78-14364
- BROUSSARD, P. H.**
Coal-shale interface detection [NASA-CASE-MFS-23720-3] c 43 N79-25443
- BROUSSARD, R.**
Optical tracking mount Patent [NASA-CASE-MFS-14017] c 14 N71-26627
- BROWN, C. E.**
G conditioning suit Patent [NASA-CASE-XLA-02898] c 05 N71-20268
- BROWN, D.**
Radial module space station Patent [NASA-CASE-XMS-01906] c 31 N70-41373
- BROWN, D. W.**
Phase-locked loop with sideband rejecting properties Patent [NASA-CASE-XNP-02723] c 07 N70-41680

- BROWN, E. L.**
Sprayable low density ablator and application process
[NASA-CASE-MFS-23506-1] c 24 N78-24290
- BROWN, G. A.**
Integrated circuit including field effect transistor and
cermet resistor
[NASA-CASE-GSC-10835-1] c 09 N72-33205
- BROWN, G. V.**
Method of fabricating a twisted composite
superconductor
[NASA-CASE-LEW-11015] c 26 N73-32571
Magnetocaloric pump
[NASA-CASE-LEW-11672-1] c 37 N74-27904
Magnetic heat pumping
[NASA-CASE-LEW-12508-1] c 34 N78-17335
Magnetic heat pumping
[NASA-CASE-LEW-12508-3] c 34 N83-29625
- BROWN, H. H.**
Reaction tester
[NASA-CASE-MSC-13604-1] c 05 N73-13114
- BROWN, J. W.**
Reduced gravity fecal collector seat and urinal
[NASA-CASE-MFS-22102-1] c 54 N74-20725
- BROWN, K. H.**
Phase modulator Patent
[NASA-CASE-MSC-13201-1] c 07 N71-28429
- BROWN, N. D.**
Deployable flexible tunnel
[NASA-CASE-MFS-22636-1] c 37 N76-22540
- BROWN, P. A.**
Indomethacin-antihistamine combination for gastric
ulceration control
[NASA-CASE-ARC-11118-2] c 52 N81-14613
Indomethacin-antihistamine combination for gastric
ulceration control
[NASA-CASE-ARC-11118-1] c 52 N81-29764
- BROWN, R. H.**
Variable mixer propulsion cycle
[NASA-CASE-LEW-12917-1] c 07 N78-18067
- BROWN, R. L.**
Gimbaled, partially submerged rocket nozzle Patent
[NASA-CASE-XMF-01544] c 28 N70-34162
- BROWN, R. M.**
Multiple pass reimaging optical system
[NASA-CASE-ARC-10194-1] c 23 N73-20741
- BROWN, W. E., III**
Method and means for providing an absolute power
measurement capability Patent
[NASA-CASE-ERC-11020] c 14 N71-26774
Clear air turbulence detector
[NASA-CASE-ERC-10081] c 14 N72-28437
Method and apparatus for measuring solar activity and
atmospheric radiation effects
[NASA-CASE-ERC-10276] c 14 N73-26432
- BROWNING, R. E.**
Flexible seal for valves Patent
[NASA-CASE-XLE-00101] c 15 N70-33376
- BROYLES, H. F.**
Parallel plate viscometer Patent
[NASA-CASE-XNP-09462] c 14 N71-17584
Method of making hollow elastomeric bodies
[NASA-CASE-NPO-13535-1] c 37 N76-31524
- BROYLES, H. H.**
Parallel plate viscometer Patent
[NASA-CASE-XNP-09462] c 14 N71-17584
- BRUCE, M. M., JR.**
Computerized system for translating a torch head
[NASA-CASE-MFS-23620-1] c 37 N79-10421
- BRUCE, R. A.**
Specialized halogen generator for purification of water
Patent
[NASA-CASE-XLA-08913] c 14 N71-28933
Air removal device
[NASA-CASE-XLA-8914] c 15 N73-12492
Zero gravity liquid mixer
[NASA-CASE-LAR-10195-1] c 15 N73-19458
Centrifugal lyophobic separator
[NASA-CASE-LAR-10194-1] c 34 N74-30608
Air removal device
[NASA-CASE-XLA-8914-2] c 25 N82-21269
- BRUNSON, J. W.**
Decommutator patchboard verifier
[NASA-CASE-KSC-11065-1] c 33 N81-26359
- BRUNSTEIN, S. A.**
Dual frequency microwave reflex feed
[NASA-CASE-NPO-13091-1] c 09 N73-12214
- BRYAN, C. J.**
Autoignition test cell Patent
[NASA-CASE-KSC-10198] c 11 N71-28629
System for sterilizing objects
[NASA-CASE-KSC-11085-1] c 54 N81-24724
- BRYAN, M. B.**
Wind tunnel model damper Patent
[NASA-CASE-XLA-09480] c 11 N71-33612

- BRYANT, E. L.**
Fatigue testing device Patent
[NASA-CASE-XLA-02131] c 32 N70-42003
Noncontacting method for measuring angular
deflection
[NASA-CASE-LAR-12178-1] c 74 N80-21138
- BRYANT, W. H.**
Digital controller for a Baum folding machine
[NASA-CASE-LAR-10688-1] c 37 N74-21056
- BRYSON, R. P.**
Soil penetrometer
[NASA-CASE-XNP-05530] c 14 N73-32321
- BUBE, K. R.**
Solar cell with improved N-region contact and method
of forming the same
[NASA-CASE-NPO-14205-1] c 44 N79-31752
- BUCHANAN, R. I.**
Hypersonic test facility Patent
[NASA-CASE-XLA-00378] c 11 N71-15925
Hypersonic test facility Patent
[NASA-CASE-XLA-05378] c 11 N71-21475
- BUCHHELE, D. R.**
Optical torqueometer Patent
[NASA-CASE-XLE-00503] c 14 N70-34818
- BUCHHOLD, T. A.**
Superconductive accelerometer Patent
[NASA-CASE-XMF-01099] c 14 N71-15969
- BUCHMILLER, L. D.**
Folded traveling wave maser structure Patent
[NASA-CASE-XNP-05218] c 16 N71-15550
- BUCKLEY, D. H.**
Gas lubricant compositions Patent
[NASA-CASE-XLE-00353] c 18 N70-39897
Metallic film diffusion for boundary lubrication Patent
[NASA-CASE-XLE-01765] c 18 N71-10772
Alloys for bearings Patent
[NASA-CASE-XLE-05033] c 15 N71-23810
Metallic film diffusion for boundary lubrication Patent
[NASA-CASE-XLE-10337] c 15 N71-24046
- BUCKLEY, J.**
Induction heating gun
[NASA-CASE-LAR-13181-1] c 33 N83-29591
- BUCKLEY, J. D.**
Induction heating gun
[NASA-CASE-LAR-12540-2] c 27 N82-24345
One-step dual purpose joining technique
[NASA-CASE-LAR-12595-1] c 33 N82-26571
Hot melt adhesive attachment pad
[NASA-CASE-LAR-12894-1] c 27 N83-34044
- BUHLER, M. G.**
Split-cross-bridge-resistor for testing for proper
fabrication of integrated circuit
[NASA-CASE-NPO-16021-1] c 33 N83-24769
- BUHLER, G. V.**
Meter for use in detecting tension in straps having
predetermined elastic characteristics
[NASA-CASE-MFS-22189-1] c 35 N75-19615
- BULLINGER, H. B.**
Photoetching of metal-oxide layers
[NASA-CASE-ERC-10108] c 06 N72-21094
- BUNCE, R. C.**
Closed loop ranging system Patent
[NASA-CASE-XNP-01501] c 21 N70-41930
Automatic corner acquisition system
[NASA-CASE-NPO-11628-1] c 07 N73-30113
- BUNKER, E. R., JR.**
Automated equipotential plotter
[NASA-CASE-NPO-11134] c 09 N72-21246
- BUNKER, J. W.**
Slide release mechanism
[NASA-CASE-MSC-20080-1] c 37 N82-31688
- BURCH, C. F.**
Grinding arrangement for ball nose milling cutters
[NASA-CASE-LAR-10450-1] c 37 N74-27905
- BURCH, J. L.**
Two speed drive system
[NASA-CASE-MFS-20645-1] c 37 N74-23070
Automatically operable self-leveling load table
[NASA-CASE-MFS-22039-1] c 09 N75-12968
Actuator device for artificial leg
[NASA-CASE-MFS-23225-1] c 52 N77-14735
Combined docking and grasping device
[NASA-CASE-MFS-23088-1] c 37 N77-23483
Apparatus for assembling space structure
[NASA-CASE-MFS-23579-1] c 18 N79-11108
Coal-shale interface detection
[NASA-CASE-MFS-23720-3] c 43 N79-25443
- BURCHAM, F. W.**
Multiple pure tone elimination strut assembly
[NASA-CASE-FRC-11062-1] c 71 N82-16800
- BURCHAM, T. W.**
Controlled release device Patent
[NASA-CASE-XKS-03338] c 15 N71-24043

- BURCHER, E. E.**
Laser communication system for controlling several
functions at a location remote to the laser
[NASA-CASE-LAR-10311-1] c 16 N73-16536
Transmitting and reflecting diffuser
[NASA-CASE-LAR-10385-2] c 70 N74-13436
Automatic focus control for facsimile cameras
[NASA-CASE-LAR-11213-1] c 35 N75-15014
Spectrometer integrated with a facsimile camera
[NASA-CASE-LAR-11207-1] c 35 N75-19613
Transmitting and reflecting diffuser
[NASA-CASE-LAR-10385-3] c 74 N78-15879
Device for measuring the contour of a surface
[NASA-CASE-LAR-11869-1] c 74 N78-27904
- BURDIN, C.**
Phase-locked servo system
[NASA-CASE-MFS-22073-1] c 33 N75-13139
- BURGETT, F. A.**
Measuring device Patent
[NASA-CASE-XMS-01548] c 14 N70-40233
Process for conditioning tanned sharkskin and articles
made therefrom Patent
[NASA-CASE-XMS-09691-1] c 18 N71-15545
- BURK, S. M., JR.**
Deployable flexible ventral fins for use as an emergency
spin recovery device in aircraft
[NASA-CASE-LAR-10753-1] c 08 N74-30421
- BURKE, J. R.**
Optical spin compensator
[NASA-CASE-XGS-02401] c 14 N69-27485
- BURKHART, J. A.**
Magneto-plasma-dynamic arc thruster
[NASA-CASE-LEW-11180-1] c 25 N73-25760
- BURKLEY, R. A.**
Panelized high performance multilayer insulation
Patent
[NASA-CASE-MFS-14023] c 33 N71-25351
- BURKS, H. D.**
Polyphenylene ethers with imide linking groups
[NASA-CASE-LAR-12980-1] c 27 N83-21143
- BURKS, R. E., JR.**
Infusible silazane polymer and process for producing
same
[NASA-CASE-XMF-02526-1] c 27 N79-21190
- BURNETT, J. E.**
Tissue macerating instrument
[NASA-CASE-LEW-12668-1] c 52 N78-14773
- BURNHAM, D. C.**
Method and apparatus for wavelength tuning of liquid
lasers
[NASA-CASE-ERC-10187] c 16 N69-31343
- BURNS, E. A.**
Ablative resin Patent
[NASA-CASE-XLE-05913] c 33 N71-14032
Reinforced structural plastics
[NASA-CASE-LEW-10199-1] c 27 N74-23125
- BURNS, F. P.**
Biomedical radiation detecting probe Patent
[NASA-CASE-XMS-01177] c 05 N71-19440
- BURNS, M. R., JR.**
Automatic weld torch guidance control system
[NASA-CASE-MFS-25807] c 37 N83-20154
- BURNS, R. H.**
High pulse rate high resolution optical radar system
[NASA-CASE-NPO-11426] c 07 N73-26119
- BURNS, R. K.**
Protected isotope heat source
[NASA-CASE-LEW-11227-1] c 73 N75-30876
- BURROUS, C. N.**
Temperature compensated light source using a light
emitting diode
[NASA-CASE-ARC-10467-1] c 09 N73-14214
- BURROWS, D. L.**
Insulating structure Patent
[NASA-CASE-XMF-00341] c 15 N70-33323
- BURTON, D. R.**
Garments for controlling the temperature of the body
Patent
[NASA-CASE-XMS-10269] c 05 N71-24147
- BURTON, W. A.**
Endless tape cartridge Patent
[NASA-CASE-XGS-00769] c 14 N70-41647
Annular slit collod thrustor Patent
[NASA-CASE-GSC-10709-1] c 28 N71-25213
- BUSEMANN, A.**
Plasma accelerator Patent
[NASA-CASE-XLA-00675] c 25 N70-33267
- BUSH, H. G.**
Vacuum pressure molding technique
[NASA-CASE-LAR-10073-1] c 37 N76-24575
Lightweight structural columns
[NASA-CASE-LAR-12095-1] c 31 N81-25258
Self-locking mechanical center joint
[NASA-CASE-LAR-12864-1] c 37 N82-29606

- Mechanical end joint system for structural column elements
[NASA-CASE-LAR-12482-1] c 37 N82-32732
- BUSHNELL, D. M.**
Powder fed sheared dispersal particle generator
[NASA-CASE-LAR-12785-1] c 34 N82-24448
- BUTLER, D. H.**
Miniature vibration isolator Patent
[NASA-CASE-XLA-01019] c 15 N70-40156
Radio frequency filter device
[NASA-CASE-XLA-02609] c 09 N72-25256
- BUTLER, J. M.**
Tackifier for addition polyimides containing monoethylphthalate
[NASA-CASE-LAR-12642-1] c 27 N81-29229
- BUTMAN, S.**
Signal phase estimator
[NASA-CASE-NPO-11203] c 10 N72-20224
Multichannel telemetry system
[NASA-CASE-NPO-11572] c 07 N73-16121
Receiver with an improved phase lock loop in a multichannel telemetry system with suppressed carrier
[NASA-CASE-NPO-11593-1] c 07 N73-28012
- BUTMAN, S. A.**
Multiple rate digital command detection system with range clean-up capability
[NASA-CASE-NPO-13753-1] c 32 N77-20289
- BUZZARD, R. J.**
Radial heat flux transformer
[NASA-CASE-NPO-10828] c 33 N72-17948
- BYERS, D. C.**
Electrostatic thruster with improved insulators Patent
[NASA-CASE-XLE-01902] c 28 N71-10574
Sputtering holes with ion beamlets
[NASA-CASE-LEW-11846-1] c 20 N74-31269
- BYNUM, B. G.**
Response analyzers for sensors Patent
[NASA-CASE-MFS-11204] c 14 N71-29134
Ergometer
[NASA-CASE-MFS-21109-1] c 05 N73-27941
- BYRD, A. W.**
Heat pipe thermionic diode power system Patent
[NASA-CASE-XMF-05843] c 03 N71-11055
Power system with heat pipe liquid coolant lines Patent
[NASA-CASE-MFS-14114-2] c 09 N71-24807
Isothermal cover with thermal reservoirs Patent
[NASA-CASE-MFS-20355] c 33 N71-25353
Power system with heat pipe liquid coolant lines Patent
[NASA-CASE-MFS-14114] c 33 N71-27862
Thermoelectric power system
[NASA-CASE-MFS-22002-1] c 44 N76-18612
- BYRD, J. D.**
Elastomeric silazane polymers and process for preparing the same Patent
[NASA-CASE-XMF-04133] c 06 N71-20717
- BYRD, N. R.**
Thermally conductive polymers
[NASA-CASE-GSC-11304-1] c 06 N72-21105
- BYRNE, F.**
BCD to decimal decoder Patent
[NASA-CASE-XKS-06167] c 08 N71-24890
Video sync processor Patent
[NASA-CASE-KSC-10002] c 10 N71-25865
Automatic frequency control loop including synchronous switching circuits
[NASA-CASE-KSC-10393] c 09 N72-21247
Digital servo controller
[NASA-CASE-KSC-10769-1] c 33 N74-29556
Common data buffer system
[NASA-CASE-KSC-11048-1] c 62 N81-24779
- BYVIK, C. E.**
Method for determining the point of zero zeta potential of semiconductor materials
[NASA-CASE-LAR-12893-1] c 33 N82-26573
Chalcogenophosphate photoelectrodes
[NASA-CASE-LAR-12958-1] c 44 N83-18025
- C**
- CABLE, C. W.**
Solar cell assembly test method
[NASA-CASE-NPO-10401] c 03 N72-20033
- CABLE, W. L.**
Rotary solenoid shutter drive assembly and rotary inertia damper and stop plate assembly
[NASA-CASE-GSC-11560-1] c 33 N74-20861
- CACOSSA, R. A.**
Method of detecting impending saturation of magnetic cores
[NASA-CASE-ERC-10089] c 23 N72-17747
- CAGLIOSTRO, D. E.**
Method of carbonizing polyacrylonitrile fibers
[NASA-CASE-ARC-11261-1] c 24 N83-25789
- CAHILL, K. J.**
Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-1] c 33 N80-20487
Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-2] c 44 N81-29524
- CAHILL, N. E.**
Positive locking check valve Patent
[NASA-CASE-XMS-09310] c 15 N71-22706
- CAIRO, F. J.**
Bonding machine for forming a solar array strip
[NASA-CASE-NPO-13652-2] c 44 N79-24431
- CALANDRO, J. N.**
Resilient wheel Patent
[NASA-CASE-MFS-13929] c 15 N71-27091
- CALFO, F. D.**
Micronized coal burner facility
[NASA-CASE-LEW-13426-1] c 44 N82-31769
- CALLAHAN, D. E.**
Solid state television camera system Patent
[NASA-CASE-XMF-06092] c 07 N71-24612
- CALVERT, H. F.**
Modification and improvements to cooled blades Patent
[NASA-CASE-XLE-00092] c 15 N70-33264
- CALVERT, J. A.**
Redundant motor drive system
[NASA-CASE-MFS-23777-1] c 37 N80-32716
- CAMACHO, S. L.**
Protective circuit of the spark gap type
[NASA-CASE-XAC-08981] c 09 N69-39897
- CAMARDA, C. J.**
Heat pipe cooled probe
[NASA-CASE-LAR-12588-1] c 44 N81-24525
- CAMBRA, J. M.**
Overvoltage protection network
[NASA-CASE-ARC-10197-1] c 33 N74-17929
- CAMERON, J. R.**
Method and system for in vivo measurement of bone tissue using a two level energy source
[NASA-CASE-MSC-14276-1] c 52 N77-14737
- CAMP, D. W.**
Anemometer with braking mechanism Patent
[NASA-CASE-XMF-05224] c 14 N71-23726
Maxometers (peak wind speed anemometers)
[NASA-CASE-MFS-20916] c 14 N73-25460
- CAMP, E. L.**
Automatic signal range selector for metering devices Patent
[NASA-CASE-XMS-06497] c 14 N71-26244
- CAMPBELL, B. A.**
Epoxy-aziridine polymer product Patent
[NASA-CASE-NPO-10701] c 06 N71-28620
- CAMPBELL, C. C., JR.**
Discrete local altitude sensing device Patent
[NASA-CASE-XMS-03792] c 14 N70-41812
- CAMPBELL, C. W.**
Collimated beam manifold with the number of output beams variable at a given output angle
[NASA-CASE-MFS-25312-1] c 74 N83-17305
- CAMPBELL, D. H.**
Method of making a rocket nozzle
[NASA-CASE-XMF-06884-1] c 20 N79-21123
- CAMPBELL, D. R.**
Time division radio relay synchronizing system using different sync code words for in sync and out of sync conditions Patent
[NASA-CASE-GSC-10373-1] c 07 N71-19773
- CAMPBELL, F. D.**
Radiant source tracker independent of nonconstant irradiance
[NASA-CASE-NPO-11686] c 14 N73-25462
- CAMPBELL, G. E.**
Self-recording portable soil penetrometer
[NASA-CASE-MFS-20774] c 14 N73-19420
- CAMPBELL, G. W.**
Method and system for respiration analysis Patent
[NASA-CASE-XFR-08403] c 05 N71-11202
- CAMPBELL, J. G.**
Multislit film cooled pyrolytic graphite rocket nozzle Patent
[NASA-CASE-XNP-04389] c 28 N71-20942
Tube sealing device Patent
[NASA-CASE-NPO-10431] c 15 N71-29132
- CAMPBELL, R. A.**
Redundant hydraulic control system for actuators
[NASA-CASE-MFS-20944] c 15 N73-13466
Contour measurement system
[NASA-CASE-MFS-23726-1] c 43 N79-26439
Coal-shale interface detection system
[NASA-CASE-MFS-23720-2] c 43 N80-14423
- CAMPBELL, R. B., JR.**
Focused laser Doppler velocimeter
[NASA-CASE-MFS-23178-1] c 35 N77-10493
- CAMPBELL, R. L.**
Thermal protection system
[NASA-CASE-MSC-18796-1] c 24 N82-26389
- CAMPBELL, T. G.**
Omnidirectional slot antenna for mounting on cylindrical space vehicle
[NASA-CASE-LAR-10163-1] c 09 N72-25247
Rotor blade with passive tuned tab
[NASA-CASE-ARC-11444-1] c 02 N83-25663
- CAMPEN, C. F., JR.**
Automated system for identifying traces of organic chemical compounds in aqueous solutions
[NASA-CASE-NPO-13063-1] c 25 N76-18245
- CANCRO, C. A.**
Low power drain semi-conductor circuit
[NASA-CASE-XGS-04999] c 09 N69-24317
Wide range data compression system Patent
[NASA-CASE-XGS-02612] c 08 N71-19435
Passive synchronized spike generator with high input impedance and low output impedance and capacitor power supply Patent
[NASA-CASE-XGS-03632] c 09 N71-23311
Fast response low power drain logic circuits
[NASA-CASE-GSC-10878-1] c 10 N72-22236
- CANICATTI, C. L.**
Voltage monitoring system
[NASA-CASE-KSC-10736-1] c 33 N75-19521
- CANNING, T. M.**
Shock-layer radiation measurement
[NASA-CASE-XAC-02970] c 14 N69-39896
Hypervelocity gun Patent
[NASA-CASE-XAC-05902] c 11 N71-18578
Heater-mixer for stored fluids
[NASA-CASE-ARC-10442-1] c 35 N74-15083
Bimetallic fluid displacement apparatus
[NASA-CASE-ARC-10441-1] c 35 N74-15126
High acceleration cable deployment system
[NASA-CASE-ARC-11256-1] c 15 N82-24272
- CANTOR, C.**
Attitude control system Patent
[NASA-CASE-XGS-04393] c 21 N71-14159
Amplifier clamping circuit for horizon scanner Patent
[NASA-CASE-XGS-01784] c 10 N71-20782
Roll alignment detector
[NASA-CASE-GSC-10514-1] c 14 N72-20379
- CANTRELL, J. H., JR.**
Liquid-immersible electrostatic ultrasonic transducer
[NASA-CASE-LAR-12465-1] c 33 N82-26572
- CANVEL, H.**
Video communication system and apparatus Patent
[NASA-CASE-XNP-06611] c 07 N71-26102
- CAPLETTE, R. K.**
Current steering commutator
[NASA-CASE-NPO-10743] c 08 N72-21199
- CAPPS, J. E.**
Two-step rocket engine bipropellant valve Patent
[NASA-CASE-XMS-04890-1] c 15 N70-22192
- CAREN, R. P.**
Dual solid cryogenics for spacecraft refrigeration Patent
[NASA-CASE-GSC-10188-1] c 23 N71-24725
- CARL, C.**
Apparatus for deriving synchronizing pulses from pulses in a single channel PCM communications system
[NASA-CASE-NPO-11302-1] c 07 N73-13149
Method and apparatus for a single channel digital communications system
[NASA-CASE-NPO-11302-2] c 32 N74-10132
Digital second-order phase-locked loop
[NASA-CASE-NPO-11905-1] c 33 N74-12887
- CARL, G. R.**
Air conditioned suit
[NASA-CASE-LAR-10076-1] c 05 N73-20137
- CARLE, C. E.**
Reel safety brake
[NASA-CASE-GSC-11960-1] c 37 N77-14479
- CARLISLE, T. E.**
Method and apparatus for controllably heating fluid Patent
[NASA-CASE-XMF-04237] c 33 N71-16278
- CARLSON, A. W.**
Pulse-width modulation multiplier Patent
[NASA-CASE-XER-09213] c 07 N71-12390
- CARLSON, H. W.**
Supersonic aircraft Patent
[NASA-CASE-XLA-04451] c 02 N71-12243
- CARLSON, R. L.**
Flow diverter valve and flow diversion method
[NASA-CASE-HQN-00573-1] c 37 N79-33468
- CARLSON, W. C. A.**
Electric arc device for heating gases Patent
[NASA-CASE-XAC-00319] c 25 N70-41628
- CARMIN, D. L., JR.**
Anti-fog composition
[NASA-CASE-MSC-13530-2] c 23 N75-14834

- CARMODY, R. J.**
Honeycomb panel and method of making same Patent
[NASA-CASE-XMF-01402] c 18 N71-21651
- CARO, E. R.**
High power RF coaxial switch
[NASA-CASE-NPO-14229-1] c 33 N80-18285
Method and apparatus for contour mapping using
synthetic aperture radar
[NASA-CASE-NPO-15939-1] c 43 N83-20324
- CARON, P. R.**
Logarithmic function generator utilizing an exponentially
varying signal in an inverse manner
[NASA-CASE-ERC-10267] c 09 N72-23173
Phase control circuits using frequency multiplications for
phased array antennas
[NASA-CASE-ERC-10285] c 10 N73-16206
- CARPINI, T. D.**
Flow velocity and directional instrument
[NASA-CASE-LAR-10855-1] c 14 N73-13415
- CARR, W. F.**
Split nut separation system Patent
[NASA-CASE-XNP-06914] c 15 N71-21489
- CARRAWAY, J. B.**
Miniature multichannel biotelemetry system
[NASA-CASE-NPO-13065-1] c 52 N74-26625
- CARRENO, V. A.**
A single frequency multitransmitter telemetry system
[NASA-CASE-LAR-13006-1] c 17 N83-20995
- CARROLL, W. F.**
Stabilized zinc oxide coating compositions Patent
[NASA-CASE-XMF-07770-2] c 18 N71-26772
- CARSLY, R. B.**
CAM controlled retractable door latch
[NASA-CASE-MSC-20304-1] c 37 N82-31690
- CARSON, J. W.**
Quasi-optical microwave component Patent
[NASA-CASE-ERC-10011] c 07 N71-29065
- CARSON, L. M.**
PN lock indicator for dithered PN code tracking loop
[NASA-CASE-NPO-14435-1] c 33 N81-33405
Discriminator aided phase lock acquisition for
suppressed carrier signals
[NASA-CASE-NPO-14311-1] c 33 N82-29539
- CARSON, P. R.**
Array phasing device Patent
[NASA-CASE-ERC-10046] c 10 N71-18722
- CARSON, W. N., JR.**
Didymium hydrate additive to nickel hydroxide electrodes
Patent
[NASA-CASE-XGS-03505] c 03 N71-10608
- CARTER, A. F.**
Plasma accelerator Patent
[NASA-CASE-XLA-00675] c 25 N70-33267
Method and apparatus for producing a plasma Patent
[NASA-CASE-XLA-00147] c 25 N70-34661
- CARTER, J. M.**
Sprayable low density ablator and application process
[NASA-CASE-MFS-23506-1] c 24 N78-24290
- CARTER, W. K.**
Emergency earth orbital escape device
[NASA-CASE-MSC-13281] c 31 N72-18859
- CARUSO, A. J.**
Sorption vacuum trap Patent
[NASA-CASE-XER-09519] c 14 N71-18483
- CARUSO, V. P.**
Method of peening and portable peening gun
[NASA-CASE-MFS-23047-1] c 37 N76-18454
- CARVER, V. C.**
Electrically conductive palladium containing polyimide
films
[NASA-CASE-LAR-12705-1] c 25 N82-26396
- CASE, M. C.**
Space suit
[NASA-CASE-MSC-12609-1] c 05 N73-32012
- CASEY, L. O.**
Electrical load protection device Patent
[NASA-CASE-MSC-12135-1] c 09 N71-12526
- CASH, W. H., JR.**
Pulse transducer with artifact signal attenuator
[NASA-CASE-FRC-11012-1] c 52 N80-23969
- CASHION, K. D.**
Solar optical telescope dome control system Patent
[NASA-CASE-MSC-10966] c 14 N71-19568
- CASON, R. L.**
Apparatus including a plurality of spaced transformers
for locating short circuits in cables
[NASA-CASE-KSC-10899-1] c 33 N79-18193
- CASTLE, K. D.**
Shielded conductor cable system
[NASA-CASE-MSC-12745-1] c 33 N81-27397
- CASTLEMAN, K. R.**
Automated clinical system for chromosome analysis
[NASA-CASE-NPO-13913-1] c 52 N79-12694
- CASTON, D.**
High temperature emittance coatings and coating
compositions
[NASA-CASE-MSC-18851-1] c 27 N82-26460
- CATLAW, T. G.**
High contrast cathode ray tube
[NASA-CASE-ERC-10468] c 09 N72-20206
- CAUDILL, L. O.**
Long range laser traversing system
[NASA-CASE-GSC-11262-1] c 36 N74-21091
- CECCON, H. L.**
Optical pump and driver system for lasers
[NASA-CASE-ERC-10283] c 16 N72-25485
- CELLIER, A.**
Digital numerically controlled oscillator
[NASA-CASE-MSC-16747-1] c 33 N81-17349
- CEPOLLI, F. J.**
Strain gauge measuring techniques Patent
[NASA-CASE-XGS-04478] c 14 N71-24233
- CERINI, D. J.**
Hydrogen-nch gas generator
[NASA-CASE-NPO-13560-1] c 44 N77-10636
Start up system for hydrogen generator used with an
internal combustion engine
[NASA-CASE-NPO-13849-1] c 28 N80-10374
- CERVENKA, P. O.**
External bulb variable volume maser
[NASA-CASE-GSC-12334-1] c 36 N79-14362
- CHAI, A. T.**
Method of making a high voltage V-groove solar cell
[NASA-CASE-LEW-13401-1] c 44 N82-29709
High voltage planar multijunction solar cell
[NASA-CASE-LEW-13400-1] c 44 N82-31764
Solar cell having improved back surface reflector
[NASA-CASE-LEW-13620-1] c 44 N83-13579
Screen printed interdigitated back contact solar cell
[NASA-CASE-LEW-13414-1] c 44 N83-20374
High voltage v-groove solar cell
[NASA-CASE-LEW-13401-2] c 44 N83-32177
- CHAMBERLAIN, F. R.**
Optical binocular scanning apparatus
[NASA-CASE-NPO-11002] c 14 N72-22441
System for forming a quadrified image comprising
angularly related fields of view of a three dimensional
object
[NASA-CASE-NPO-14219-1] c 74 N81-17886
- CHAMBERS, A. B.**
Temperature controller for a fluid cooled garment
[NASA-CASE-ARC-10599-1] c 05 N73-26071
Walking boot assembly
[NASA-CASE-ARC-11101-1] c 54 N78-17675
- CHAMIS, C. C.**
Hybrid composite laminate structures
[NASA-CASE-LEW-12118-1] c 24 N77-27188
- CHANDLER, J. A.**
Discrete local altitude sensing device Patent
[NASA-CASE-XMS-03792] c 14 N70-41812
Line cutter Patent
[NASA-CASE-XMS-04072] c 15 N70-42017
Spacecraft radiator cover Patent
[NASA-CASE-MSC-12049] c 31 N71-16080
Winch having cable position and load indicators
Patent
[NASA-CASE-MSC-12052-1] c 15 N71-24599
Apparatus for releasably connecting first and second
objects in predetermined space relationship
[NASA-CASE-MSC-18969-1] c 15 N82-28318
- CHANDLER, W. A.**
Cryogenic storage system Patent
[NASA-CASE-XMS-04390] c 31 N70-41871
- CHANEY, R. E.**
Method of purifying metallurgical grade silicon employing
reduced pressure atmospheric control
[NASA-CASE-NPO-14474-1] c 26 N80-14229
- CHANG, C. C.**
Microwave integrated circuit for Josephson voltage
standards
[NASA-CASE-MFS-23845-1] c 33 N81-17348
- CHAO, J. I.**
Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-2] c 52 N81-25661
- CHAPMAN, C. P.**
Switching circuit Patent
[NASA-CASE-XNP-06505] c 10 N71-24799
Peak acceleration limiter for vibrational tester Patent
[NASA-CASE-NPO-10556] c 14 N71-27185
Apparatus for recovering matter adhered to a host
surface
[NASA-CASE-NPO-11213] c 15 N73-20514
Automated attendance accounting system
[NASA-CASE-NPO-11456] c 08 N73-26176
Servo-controlled intravitral microscope system
[NASA-CASE-NPO-13214-1] c 35 N75-25123
- CHAPMAN, R. M.**
Inflation system for balloon type satellites Patent
[NASA-CASE-XGS-03351] c 31 N71-16081
- CHAPPELLE, E. W.**
Use of the enzyme hexokinase for the reduction of
inherent light levels
[NASA-CASE-XGS-05533] c 04 N69-27487
Light detection instrument Patent
[NASA-CASE-XGS-05534] c 23 N71-16355
Lyophilized reaction mixtures Patent
[NASA-CASE-XGS-05532] c 06 N71-17705
Flavin coenzyme assay
[NASA-CASE-GSC-10565-1] c 06 N72-25149
Method of detecting and counting bacteria in body
fluids
[NASA-CASE-GSC-11092-2] c 04 N73-27052
Protein sterilization method of firefly luciferase using
reduced pressure and molecular sieves
[NASA-CASE-GSC-10225-1] c 06 N73-27086
Automatic instrument for chemical processing to detect
microorganism in biological samples by measuring light
reactions
[NASA-CASE-GSC-11169-2] c 05 N73-32011
Method of detecting and counting bacteria
[NASA-CASE-GSC-11917-2] c 51 N76-29891
Application of luciferase assay for ATP to antimicrobial
drug susceptibility
[NASA-CASE-GSC-12039-1] c 51 N77-22794
Determination of antimicrobial susceptibilities on
infected urnes without isolation
[NASA-CASE-GSC-12046-1] c 52 N79-14750
Rapid, quantitative determination of bacteria in water
[NASA-CASE-GSC-12158-1] c 51 N83-27569
- CHARLES, J. F.**
Floating nut retention system
[NASA-CASE-MSC-16938-1] c 37 N80-23653
- CHARLESTON, J. A.**
Improved chromium electrodes for REDOX cells
[NASA-CASE-LEW-13653-1] c 44 N82-22672
- CHARLTON, K. W.**
Pneumatic system for controlling and actuating
pneumatic cyclic devices
[NASA-CASE-XMS-04843] c 03 N69-21469
- CHARNOSKY, A. J.**
Tool attachment for spreading loose elements away from
work Patent
[NASA-CASE-XMF-02107] c 15 N71-10809
- CHASE, E. W.**
Helmet latching and attaching ring
[NASA-CASE-XMS-04670] c 54 N78-17678
- CHASE, W. D.**
Vehicle simulator binocular multiplanar visual display
system
[NASA-CASE-ARC-10808-1] c 09 N76-24280
Full color hybrid display for aircraft simulators
[NASA-CASE-ARC-10903-1] c 09 N78-18083
Spectrally balanced chromatic landing approach lighting
system
[NASA-CASE-ARC-10990-1] c 04 N82-16059
Environmental fog/rain visual display system for aircraft
simulators
[NASA-CASE-ARC-11158-1] c 09 N82-24212
- CHEATHAM, D. C.**
Spacecraft docking and alignment system
[NASA-CASE-MSC-12559-1] c 18 N76-14186
- CHEN, B. C. J.**
Waveguide cooling system
[NASA-CASE-NPO-15401-1] c 32 N83-27085
- CHEN, C. J.**
Isotope separation using metallic vapor lasers
[NASA-CASE-NPO-13550-1] c 36 N77-26477
- CHEN, T. S.**
Improved process for preparing perfluorotriazine
elastomers and precursors thereof
[NASA-CASE-ARC-11402-1] c 27 N82-26462
- CHEN, W.**
Arterial pulse wave pressure transducer
[NASA-CASE-GSC-11531-1] c 52 N74-27566
- CHEN, W. S.**
Wind tunnel microphone structure Patent
[NASA-CASE-XNP-00250] c 11 N71-28779
- CHENG, C. H.**
Improved process for preparing perfluorotriazine
elastomers and precursors thereof
[NASA-CASE-ARC-11402-1] c 27 N82-26462
- CHENG, D. Y.**
Reversed cowl flap inlet thrust augmentor
[NASA-CASE-ARC-10754-1] c 07 N75-24736
System for measuring Reynolds in a turbulently flowing
fluid
[NASA-CASE-ARC-10755-2] c 34 N76-27517
System for measuring three fluctuating velocity
components in a turbulently flowing fluid
[NASA-CASE-ARC-10974-1] c 34 N77-27345
Noise suppressor for turbo fan jet engines
[NASA-CASE-ARC-10812-1] c 07 N83-33884
- CHERDAK, A. S.**
Maximum power point tracker Patent
[NASA-CASE-GSC-10376-1] c 14 N71-27407

- CHERN, S. S.**
Chemical vapor deposition reactor
[NASA-CASE-NPO-13650-1] c 25 N79-28253
Induced junction solar cell and method of fabrication
[NASA-CASE-NPO-13786-1] c 44 N80-29835
- CHERNOFF, R.**
Frequency translating phase conjugation circuit for active retrodirective antenna array
[NASA-CASE-NPO-14536-1] c 32 N81-14185
- CHERNOFF, R. C.**
Phase conjugation method and apparatus for an active retrodirective antenna array
[NASA-CASE-NPO-13641-1] c 32 N79-24210
- CHESTNUTT, D.**
Variably positioned guide vanes for aerodynamic choking
[NASA-CASE-LAR-10642-1] c 07 N74-31270
- CHI, K.**
High pulse rate high resolution optical radar system
[NASA-CASE-NPO-11426] c 07 N73-26119
- CHIAO, R. Y.**
Optical frequency waveguide Patent
[NASA-CASE-HQN-10541-1] c 07 N71-26291
Optical frequency waveguide and transmission system
[NASA-CASE-HQN-10541-3] c 23 N72-23695
- CHILDRESS, J. D.**
Process for the preparation of brushite crystals
[NASA-CASE-ERC-10338] c 04 N72-33072
- CHILDS, J. H.**
High-vacuum condenser tank for ion rocket tests Patent
[NASA-CASE-XLE-00168] c 11 N70-33278
Electric propulsion engine test chamber Patent
[NASA-CASE-XLE-00252] c 11 N70-34844
- CHILENSKI, J. J.**
Ignition system for monopropellant combustion devices Patent
[NASA-CASE-XNP-00249] c 28 N70-38249
- CHILTON, R. G.**
Space capsule Patent
[NASA-CASE-XLA-00149] c 31 N70-37938
Space capsule Patent
[NASA-CASE-XLA-01332] c 31 N71-15664
- CHIOA, R. Y.**
Laser machining apparatus Patent
[NASA-CASE-HQN-10541-2] c 15 N71-27135
Optical frequency waveguide and transmission system Patent
[NASA-CASE-HQN-10541-4] c 16 N71-27183
- CHISEL, D. M.**
Fluidic proportional thrust system
[NASA-CASE-ARC-10106-1] c 28 N72-22769
- CHONG, C. F.**
Flipflop interrogator and bi-polar current driver Patent
[NASA-CASE-XGS-03056] c 10 N71-19547
- CHOW, E. Y.**
Elastic universal joint Patent
[NASA-CASE-XNP-00416] c 15 N70-36947
- CHOWNING, D.**
Emergency earth orbital escape device
[NASA-CASE-MS-13281] c 31 N72-18859
- CHREITZBERG, A. M.**
Electric battery and method for operating same Patent
[NASA-CASE-XGS-01674] c 03 N71-29129
- CHRISTENSEN, W. W.**
Chelate-modified polymers for atmospheric gas chromatography
[NASA-CASE-ARC-11154-1] c 25 N80-23383
- CHRISTMAN, L. M.**
Resuscitation apparatus Patent
[NASA-CASE-XMS-01115] c 05 N70-39922
- CHRISTOPHER, P. A.**
Method of fabricating an object with a thin wall having a precisely shaped slit
[NASA-CASE-LAR-10409-1] c 31 N74-21059
- CHRISTY, C. L., JR.**
Infusible silazane polymer and process for producing same
[NASA-CASE-XMF-02526-1] c 27 N79-21190
- CHU, T. L.**
Fabrication of polycrystalline solar cells on low-cost substrates
[NASA-CASE-GSC-12022-1] c 44 N76-28635
Process for utilizing low-cost graphite substrates for polycrystalline solar cells
[NASA-CASE-GSC-12022-2] c 44 N78-24609
- CHUMLEY, J. F.**
Zero gravity apparatus Patent
[NASA-CASE-XMF-06515] c 14 N71-23227
- CHUTJIAN, A.**
High resolution threshold photoelectron spectroscopy by electron attachment
[NASA-CASE-NPO-14078-1] c 72 N80-14877
- CIEPLUCH, C. C.**
Apparatus for igniting solid propellants Patent
[NASA-CASE-XLE-00207] c 28 N70-33375
- Method of igniting solid propellants Patent
[NASA-CASE-XLE-01988] c 27 N71-15634
- CISSELL, R. E.**
Threadless fastener apparatus Patent
[NASA-CASE-XFR-05302] c 15 N71-23254
- CISZEK, T. F.**
Growth of silicon carbide crystals on a seed while pulling silicon crystals from a melt
[NASA-CASE-NPO-13969-1] c 76 N79-23798
Method of growing a ribbon crystal particularly suited for facilitating automated control of ribbon width
[NASA-CASE-NPO-14295-1] c 76 N80-32245
- CLAING, R. G.**
Joining lead wires to thin platinum alloy films
[NASA-CASE-LEW-13934-1] c 35 N83-35338
- CLAPP, W. M.**
Increasing efficiency of switching type regulator circuits Patent
[NASA-CASE-XMS-09352] c 09 N71-23316
- CLARK, C. E.**
Helmet weight simulator
[NASA-CASE-LAR-12320-1] c 54 N81-27806
- CLARK, F. L.**
Hypersonic test facility Patent
[NASA-CASE-XLA-00378] c 11 N71-15925
Hypersonic test facility Patent
[NASA-CASE-XLA-05378] c 11 N71-21475
- CLARK, H. K.**
Thermal pump-compressor for space use Patent
[NASA-CASE-XLA-00377] c 33 N71-17610
- CLARK, I. O.**
Ampoule sealing apparatus and process
[NASA-CASE-LAR-12847-1] c 33 N83-16633
- CLARK, J. R.**
Automated fluid chemical analyzer Patent
[NASA-CASE-XNP-09451] c 06 N71-26754
- CLARK, K. H.**
Apparatus for assembling space structure
[NASA-CASE-MFS-23579-1] c 18 N79-11108
Electrical self-aligning connector
[NASA-CASE-MFS-25211-1] c 33 N80-32651
Pneumatic inflatable end effector
[NASA-CASE-MFS-23696-1] c 54 N81-26718
Clamp-mount device
[NASA-CASE-MFS-25510-1] c 37 N82-11470
Hemispherical latching apparatus for payload retention
[NASA-CASE-MFS-25837] c 16 N82-31398
Electrical self-aligning connector
[NASA-CASE-MFS-25211-2] c 33 N83-29592
- CLARK, R. K.**
Fixture for environmental exposure of structural materials under compression load
[NASA-CASE-LAR-12602-1] c 39 N83-32081
- CLARK, R. L.**
Deposition apparatus
[NASA-CASE-LAR-10541-1] c 15 N72-32487
- CLARK, R. T.**
Horn feed having overlapping apertures Patent
[NASA-CASE-GSC-10452] c 07 N71-12396
- CLARKE, D. R.**
Thermal compression bonding of interconnectors
[NASA-CASE-GSC-10303] c 15 N72-22487
- CLATTERBUCK, C. H.**
Spacecraft battery seals
[NASA-CASE-XGS-03864] c 15 N69-24320
Process for making RF shielded cable connector assemblies and the products formed thereby
[NASA-CASE-GSC-11215-1] c 09 N73-28083
High voltage isolation transformer
[NASA-CASE-GSC-12817-1] c 33 N83-29590
- CLAUS, R. O.**
Ultrasonic transducer with Gaussian radial pressure distribution
[NASA-CASE-LAR-12967-1] c 35 N83-12397
A dual differential interferometer
[NASA-CASE-LAR-12966-1] c 71 N83-12969
- CLAUSS, R. C.**
Transmission line thermal short Patent
[NASA-CASE-XNP-09775] c 09 N71-20445
Circulator having quarter wavelength resonant post and parametric amplifier circuits utilizing the same Patent
[NASA-CASE-XNP-02140] c 09 N71-23097
High-gain, broadband traveling wave maser Patent
[NASA-CASE-NPO-10548] c 16 N71-24831
Maser for frequencies in the 7-20 GHz range
[NASA-CASE-NPO-11437] c 16 N72-28521
Refrigerated coaxial coupling
[NASA-CASE-NPO-13504-1] c 33 N75-30430
Reflected-wave maser
[NASA-CASE-NPO-13490-1] c 36 N76-31512
Dielectric-loaded waveguide circulator for cryogenically cooled and cascaded maser waveguide structures
[NASA-CASE-NPO-14254-1] c 36 N80-18372
Maser amplifier slow wave structure
[NASA-CASE-NPO-15211-1] c 36 N81-24425
- Resonant isolator for maser amplifier
[NASA-CASE-NPO-15201-1] c 36 N83-35350
- CLAWSON, G. T.**
Method and apparatus for checking fire detectors
[NASA-CASE-GSC-11600-1] c 35 N74-21019
- CLAY, D. R.**
Ion mass spectrometer
[NASA-CASE-NPO-15423-1] c 91 N82-25042
- CLAY, F. P., JR.**
Ionization vacuum gauge with all but the end of the ion collector shielded Patent
[NASA-CASE-XLA-07424] c 14 N71-18482
- CLELAND, E. L.**
Gas diffusion liquid storage bag and method of use for storing blood
[NASA-CASE-NPO-13930-1] c 52 N79-14749
- CLEMENS, G. W., JR.**
Deep space monitor communication satellite system Patent
[NASA-CASE-XAC-06029-1] c 31 N71-24813
- CLEMENS, P. W.**
Device for configuring multiple leads
[NASA-CASE-MFS-22133-1] c 33 N74-26977
- CLEMENT, W. G.**
Function measuring apparatus Patent
[NASA-CASE-XNP-08680] c 14 N71-22995
- CLEMENS, P. A.**
System for stabilizing cable phase delay utilizing a coaxial cable under pressure
[NASA-CASE-NPO-13138-1] c 33 N74-17927
- CLEMMONS, D. L., JR.**
Thermal control of space vehicles Patent
[NASA-CASE-XLA-01291] c 33 N70-36617
- CLEMMONS, J. I., JR.**
Instrument for determining coincidence and elapse time between independent sources of random sequential events
[NASA-CASE-LAR-12531-1] c 35 N83-29651
- CLEMONS, J. M.**
Method of bonding plasticized elastomer to metal and articles produced thereby
[NASA-CASE-MFS-25181-1] c 27 N82-24340
Process for producing tns (N-methylamino) methylsilane
[NASA-CASE-MFS-25721-1] c 25 N83-25811
- CLEVELAND, G. J.**
Medical subject monitoring systems
[NASA-CASE-MSC-14180-1] c 52 N76-14757
- CLEVENSON, S. A.**
Ride quality meter
[NASA-CASE-LAR-12882-1] c 54 N81-31848
- CLICKNER, R. E., JR.**
Umbilical disconnect Patent
[NASA-CASE-XLA-00711] c 03 N71-12258
- CLIFF, R. A.**
Data processor having multiple sections activated at different times by selective power coupling to the sections Patent
[NASA-CASE-XGS-04767] c 08 N71-12494
Ripple add and ripple subtract binary counters Patent
[NASA-CASE-XGS-04766] c 08 N71-18602
Apparatus for computing square roots Patent
[NASA-CASE-XGS-04768] c 08 N71-19437
Digitally controlled frequency synthesizer Patent
[NASA-CASE-XGS-02317] c 09 N71-23525
SCR lamp driver
[NASA-CASE-GSC-10221-1] c 09 N72-23171
Digital phase-locked loop
[NASA-CASE-GSC-11623-1] c 33 N75-25040
- CLIFF, W. C.**
Wind measurement system
[NASA-CASE-MFS-23362-1] c 47 N77-10753
- CLINE, R. W.**
Method and apparatus for optically monitoring the angular position of a rotating mirror
[NASA-CASE-GSC-11353-1] c 74 N74-21304
- CLOTFELTER, W. N.**
Apparatus for the determination of the existence or non-existence of a bonding between two members Patent
[NASA-CASE-MFS-13686] c 15 N71-18132
Device for measuring the ferrite content in an austenitic stainless-steel weld
[NASA-CASE-MFS-22907-1] c 26 N76-18257
Method for measuring biaxial stress in a body subjected to stress inducing loads
[NASA-CASE-MFS-23299-1] c 39 N77-28511
- CLOUGH, L. G.**
Driving lamps by induction
[NASA-CASE-MFS-21214-1] c 09 N73-30181
- COBIN, J. C.**
Latching mechanism Patent
[NASA-CASE-MSC-15474-1] c 15 N71-26162

COCCA, F. J.

Method and apparatus for detecting surface ions on silicon diodes and transistors
[NASA-CASE-ERC-10325] c 15 N72-25457

COE, C. F.

Electronic scanning pressure measuring system and transducer package
[NASA-CASE-ARC-11361-1] c 35 N82-26635

COE, H. H.

High speed rolling element bearing
[NASA-CASE-LEW-10856-1] c 15 N72-22490

COE, P. L., JR.

Supersonic transport
[NASA-CASE-LAR-11932-1] c 05 N78-32086

COFFINBERRY, G. A.

Oil cooling system for a gas turbine engine
[NASA-CASE-LEW-12830-1] c 07 N77-23106

Oil cooling system for a gas turbine engine
[NASA-CASE-LEW-12321-1] c 37 N78-10467

Fuel delivery system including heat exchanger means
[NASA-CASE-LEW-12793-1] c 37 N79-11403

Apparatus for improving the fuel efficiency of a gas turbine engine
[NASA-CASE-LEW-13142-1] c 07 N83-36029

COHEN, D.

Fluid sample collector Patent
[NASA-CASE-XMS-06767-1] c 14 N71-20435

COHEN, E. A.

Audio frequency marker system
[NASA-CASE-NPO-11147] c 14 N72-27408

COHEN, M. F.

Digital modulator and demodulator Patent
[NASA-CASE-ERC-10041] c 08 N71-29138

COHEN, M. M.

Elevated waterproof access floor system and method of making the same
[NASA-CASE-ARC-11363-1] c 31 N83-28281

COHEN, N. S.

Nitramine propellants
[NASA-CASE-NPO-14103-1] c 28 N78-31255

COHEN, R. A.

A method for selective gold diffusion of monolithic silicon devices and/or circuits Patent application
[NASA-CASE-ERC-10072] c 09 N70-11148

Method and apparatus for stable silicon dioxide layers on silicon grown in silicon nitride ambient
[NASA-CASE-ERC-10073-1] c 24 N74-19769

COHN, E. M.

Rechargeable battery which combats shape change of the zinc anode
[NASA-CASE-HQN-10862-1] c 44 N76-29699

COHN, R. B.

Acoustical transducer calibrating system and apparatus
[NASA-CASE-FRC-10060-1] c 14 N73-27379

Adapter for mounting a microphone flush with the external surface of the skin of a pressurized aircraft
[NASA-CASE-FRC-11072-1] c 05 N83-27975

COHN, S. B.

Dual band combiner for horn antenna
[NASA-CASE-NPO-14519-1] c 32 N80-23524

COKER, L. R.

Quick disconnect latch and handle combination Patent
[NASA-CASE-MFS-11132] c 15 N71-17649

COLBURN, M. E.

Automatic instrument for chemical processing to detect microorganism in biological samples by measuring light reactions
[NASA-CASE-GSC-11169-2] c 05 N73-32011

COLE, H. A., JR.

Method and apparatus for measuring the damping characteristics of a structure
[NASA-CASE-ARC-10154-1] c 14 N72-22440

COLE, M. A.

System and method for moving a probe to follow movements of tissue
[NASA-CASE-NPO-15197-1] c 52 N83-25346

COLE, P. T.

Low friction magnetic recording tape Patent
[NASA-CASE-XGS-00373] c 23 N71-15978

System for recording and reproducing pulse code modulated data Patent
[NASA-CASE-XGS-01021] c 08 N71-21042

Friction measuring apparatus Patent
[NASA-CASE-XNP-08680] c 14 N71-22995

Helical recorder arrangement for multiple channel recording on both sides of the tape
[NASA-CASE-GSC-10614-1] c 09 N72-11224

COLEMAN, A. D.

Insulation bonding test system
[NASA-CASE-MFS-25862-1] c 27 N83-19903

COLES, W. D.

Twisted multifilament superconductor
[NASA-CASE-LEW-11726-1] c 26 N73-26752

Method of fabricating a twisted composite superconductor
[NASA-CASE-LEW-11015] c 26 N73-32571

COLLIER, L.

Garments for controlling the temperature of the body Patent
[NASA-CASE-XMS-10269] c 05 N71-24147

COLLIN, E. E.

Apparatus and method for skin packaging articles
[NASA-CASE-MFS-20855] c 15 N73-27405

COLLINS, D. D.

Simultaneous treatment of SO₂ containing stack gases and waste water
[NASA-CASE-MSC-16258-1] c 45 N79-12584

COLLINS, D. F., JR.

Fluid power transmitting gas bearing Patent
[NASA-CASE-ERC-10097] c 15 N71-28465

COLLINS, E. R.

Automated multi-level vehicle parking system
[NASA-CASE-NPO-13058-1] c 37 N77-22480

Geological assessment probe
[NASA-CASE-NPO-14558-1] c 46 N80-24906

System for slicing silicon wafers
[NASA-CASE-NPO-14406-1] c 37 N80-29703

COLLINS, E. R., JR.

Impact energy absorbing system utilizing fractureable material
[NASA-CASE-NPO-10671] c 15 N72-20443

COLLINS, E. JR.

High production shuttle car system for coal mines
[NASA-CASE-NPO-15949-1] c 37 N83-20155

COLLINS, V. G.

Recovery of potable water from human wastes in below-G conditions Patent
[NASA-CASE-XLA-03213] c 05 N71-11207

COLLINS, W. A.

Flight control system
[NASA-CASE-MSC-13397-1] c 21 N72-25595

COLONY, J. A.

Phototropic composition of matter
[NASA-CASE-XGS-03736] c 14 N72-22443

COMPTON, L. E.

Supercritical solvent coal extraction
[NASA-CASE-NPO-15210-1] c 28 N82-26481

CONANT, J. E.

Television simulation for aircraft and space flight Patent
[NASA-CASE-XFR-03107] c 09 N71-19449

CONE, C. D., JR.

Minimum induced drag airfoil body Patent
[NASA-CASE-XLA-00755] c 01 N71-13410

Minimum induced drag airfoil body Patent
[NASA-CASE-XLA-05828] c 01 N71-13411

Absolute focus lock for microscopes
[NASA-CASE-LAR-10184] c 14 N72-22445

Process for control of cell division
[NASA-CASE-LAR-10773-3] c 51 N77-25769

CONGER, C. C.

Inductance device with vacuum insulation
[NASA-CASE-LEW-10330-1] c 09 N72-27226

CONIGLIO, G. V.

Petzval type objective including field shaping lens Patent
[NASA-CASE-GSC-10700] c 23 N71-30027

CONN, J. H.

Moment of inertia test fixture Patent
[NASA-CASE-XGS-01023] c 14 N71-22992

CONNELL, E. W.

Flexible joint for pressurizable garment
[NASA-CASE-MSC-11072] c 54 N74-32546

CONNOLLY, D. J.

Traveling wave tube circuit
[NASA-CASE-LEW-12013-1] c 33 N79-10339

Coupled cavity traveling wave tube with velocity tapering
[NASA-CASE-LEW-12296-1] c 33 N80-19425

Coupled cavity traveling wave tube with velocity tapering
[NASA-CASE-LEW-12296-1] c 33 N82-26568

CONNOLLY, J. P.

Automatic real-time pair-feeding system for animals
[NASA-CASE-ARC-10302-1] c 51 N74-15778

CONNORS, J. F.

Annular rocket motor and nozzle configuration Patent
[NASA-CASE-XLE-00078] c 28 N70-33284

Annular supersonic decelerator or drogue Patent
[NASA-CASE-XLE-00222] c 02 N70-37939

Penshape exhaust nozzle for supersonic engine Patent
[NASA-CASE-XLE-00057] c 28 N70-38711

Telescoping-spike supersonic inlet for aircraft engines Patent
[NASA-CASE-XLE-00005] c 28 N70-39899

Thrust and direction control apparatus Patent
[NASA-CASE-XLE-03583] c 31 N71-17629

CONRAD, E. W.

Thrust vector control apparatus Patent
[NASA-CASE-XLE-00208] c 28 N70-34294

Non-reusable kinetic energy absorber Patent
[NASA-CASE-XLE-00810] c 15 N70-34861

CONRAD, W. M.

Frequency modulation demodulator threshold extension device Patent
[NASA-CASE-MSC-12165-1] c 07 N71-33696

CONSTANTINIDES, N. J.

Servomechanism for Doppler shift compensation in optical correlator for synthetic aperture radar
[NASA-CASE-NPO-14998-1] c 32 N83-18975

CONSTANTINIDES, N. J.

An electro-optical Doppler tracker means and method for optical correlation of synthetic aperture radar data
[NASA-CASE-NPO-14998-1] c 33 N81-15194

Echo tracker/range finder for radars and sonars
[NASA-CASE-NPO-14361-1] c 32 N82-23376

CONWAY, E. J.

Method for detecting pollutants
[NASA-CASE-LAR-11405-1] c 45 N76-31714

COOGAN, J. M.

Method of planetary atmospheric investigation using a split-trajectory dual flyby mode Patent
[NASA-CASE-XAC-08494] c 30 N71-15990

COOK, C.

Inflatable device for installing strain gage bridges
[NASA-CASE-FRC-11068-1] c 35 N82-24473

COOK, T. A.

Metering gun for dispensing precisely measured charges of fluid
[NASA-CASE-MFS-21163-1] c 54 N74-17853

COOK, W. M., JR.

Detector panels-micrometeoroid impact Patent
[NASA-CASE-XLA-05906] c 31 N71-16221

COOLIDGE, J. E.

Data transfer system Patent
[NASA-CASE-NPO-12107] c 08 N71-27255

COON, G. W.

Vibrating element electrometer with output signal magnified over input signal by a function of the mechanical Q of the vibrating element Patent
[NASA-CASE-XAC-02807] c 09 N71-23021

Thermally cycled magnetometer Patent
[NASA-CASE-XAC-03740] c 14 N71-26135

Telectrode capacitive pressure transducer
[NASA-CASE-ARC-10771-2] c 33 N76-21390

COOPER, C. R.

Underwater space suit pressure control regulator
[NASA-CASE-MFS-20332] c 05 N72-20097

Underwater space suit pressure control regulator
[NASA-CASE-MFS-20332-2] c 05 N73-25125

COOPER, D. W.

Generator for a space power system Patent
[NASA-CASE-XLE-04250] c 09 N71-20446

Method of forming metal hydride films
[NASA-CASE-LEW-12083-1] c 37 N78-13436

COOPER, L. P.

Supercritical fuel injection system
[NASA-CASE-LEW-12990-1] c 07 N81-29129

COOPER, T.

Dual physiological rate measurement instrument
[NASA-CASE-MSC-20078-1] c 52 N82-32971

COOPER, W. E.

Collapsible Apollo couch
[NASA-CASE-MSC-13140] c 05 N72-11085

COPELAND, J. T., JR.

High speed photo-optical time recording
[NASA-CASE-KSC-10294] c 14 N72-18411

CORBIN, P. L.

Automatic fatigue test temperature programmer Patent
[NASA-CASE-XLA-02059] c 33 N71-24276

CORCORAN, W. H.

Supercritical multicomponent solvent coal extraction
[NASA-CASE-NPO-15767-1] c 28 N82-12241

Coal desulfurization by aqueous chlorination
[NASA-CASE-NPO-14902-1] c 25 N82-29371

CORLEY, R. C.

Method and apparatus for rapid thrust increases in a turbofan engine
[NASA-CASE-LEW-12971-1] c 07 N80-18039

CORNETT, J. E.

Method and apparatus for rapid thrust increases in a turbofan engine
[NASA-CASE-LEW-12971-1] c 07 N80-18039

Integrated control system for a gas turbine engine
[NASA-CASE-LEW-12594-2] c 07 N81-19116

CORNILLE, H. J., JR.

Stretch de-spin mechanism Patent
[NASA-CASE-XGS-00619] c 30 N70-40016

CORNISH, S. D.

Flame detector operable in presence of proton radiation
[NASA-CASE-MFS-21577-1] c 19 N74-29410

- CORREALE, J. V.**
Absorbent product to absorb fluids
[NASA-CASE-MSC-18223-1] c 24 N82-29362
- CORREALS, J. V.**
Absorbent product and articles made therefrom
[NASA-CASE-MSC-18223-2] c 52 N82-26960
- CORSMEIER, R. J.**
Air modulation apparatus
[NASA-CASE-LEW-11524-1] c 34 N83-30957
- CORSON, B. W., JR.**
Nozzle Patent
[NASA-CASE-XLA-00154] c 28 N70-33374
Cascade plug nozzle
[NASA-CASE-LAR-11674-1] c 07 N76-18117
- CORWIN, R. R.**
Apparatus for determining thermophysical properties of test specimens
[NASA-CASE-LAR-11883-1] c 09 N77-27131
- COSTAKOS, N. C.**
Deployable flexible tunnel
[NASA-CASE-MFS-22636-1] c 37 N76-22540
- COSTEN, R. C.**
Vortex generator for controlling the dispersion of effluents in a flowing liquid
[NASA-CASE-LAR-12045-1] c 34 N77-24423
- COSTES, N. C.**
Self-recording portable soil penetrometer
[NASA-CASE-MFS-20774] c 14 N73-19420
- COSTOGUE, E. N.**
Bonding machine for forming a solar array strip
[NASA-CASE-NPO-13652-2] c 44 N79-24431
- COSTON, R. M.**
Dual solid cryogenics for spacecraft refrigeration Patent
[NASA-CASE-GSC-10188-1] c 23 N71-24725
- COTE, C. E.**
Display for binary characters Patent
[NASA-CASE-XGS-04987] c 08 N71-20571
- COUCH, L. M.**
Heat pipe cooled probe
[NASA-CASE-LAR-12588-1] c 44 N81-24525
Wind tunnel supplementary Mach number minimum section insert
[NASA-CASE-LAR-12532-1] c 09 N82-11088
- COUCH, R. H.**
Apparatus for aiding a pilot in avoiding a midair collision between aircraft
[NASA-CASE-LAR-10717-1] c 21 N73-30641
Phase modulating with odd and even finite power series of a modulating signal
[NASA-CASE-LAR-11607-1] c 32 N77-14292
Hot melt adhesive attachment pad
[NASA-CASE-LAR-12894-1] c 27 N83-34044
- COULBERT, C. D.**
Multislot film cooled pyrolytic graphite rocket nozzle Patent
[NASA-CASE-XNP-04389] c 28 N71-20942
- COULSON, C. E.**
Active clearance control system for a turbomachine
[NASA-CASE-LEW-12938-1] c 07 N82-32366
- COULTRIP, R. H.**
Hot melt adhesive attachment pad
[NASA-CASE-LAR-12894-1] c 27 N83-34044
- COUVILLON, L. A., JR.**
Signal-to-noise ratio estimating by taking ratio of mean and standard deviation of integrated signal samples Patent
[NASA-CASE-XNP-05254] c 07 N71-20791
Method and apparatus for frequency-division multiplex communications by digital phase shift of carrier
[NASA-CASE-NPO-11338] c 08 N72-25208
Apparatus for deriving synchronizing pulses from pulses in a single channel PCM communications system
[NASA-CASE-NPO-11302-1] c 07 N73-13149
Pseudonoise (PN) synchronization of data system with derivation of clock frequency from received signal for clocking receiver PN generator
[NASA-CASE-XNP-03623] c 09 N73-28084
Method and apparatus for a single channel digital communications system
[NASA-CASE-NPO-11302-2] c 32 N74-10132
- COWAN, J. J.**
Holography utilizing surface plasmon resonances
[NASA-CASE-MFS-22040-1] c 35 N74-26946
- COWDIN, K. T.**
Aircraft body-axis rotation measurement system
[NASA-CASE-FRC-11043-1] c 06 N83-33882
- COWELL, T. E.**
Aerodynamic spike nozzle Patent
[NASA-CASE-XGS-01143] c 31 N71-15647
- COX, J. A.**
Analog-to-digital converter
[NASA-CASE-MSC-13110-1] c 08 N72-22163
- COYNER, J. V.**
Foldable beam
[NASA-CASE-LAR-12077-1] c 31 N81-25259
- CRABILL, N. L.**
Control system for rocket vehicles Patent
[NASA-CASE-XLA-01183] c 21 N71-15582
- CRAIG, G. D.**
Optical stereo video signal processor
[NASA-CASE-MFS-25752-1] c 74 N83-21950
Wide dynamic range video camera
[NASA-CASE-MFS-25750-1] c 33 N83-35229
- CRAIG, R. A.**
Reduction of nitric oxide emissions from a combustor
[NASA-CASE-ARC-10814-2] c 07 N80-26298
- CRAIGHEAD, N. D.**
Articulated joint for deployable structures
[NASA-CASE-NPO-16038-1] c 37 N83-20157
- CRAMER, P. W., JR.**
Multiple-beam, high-power, precision pointing antenna system
[NASA-CASE-NPO-15408-1] c 33 N82-12345
Beam forming network
[NASA-CASE-NPO-15743-1] c 32 N83-19969
- CRAWFORD, D. W.**
Apparatus and method of inserting a microelectrode in body tissue or the like using vibration means
[NASA-CASE-NPO-13910-1] c 52 N79-27836
System and method for moving a probe to follow movements of tissue
[NASA-CASE-NPO-15197-1] c 52 N83-25346
- CRAWFORD, R.**
Solar energy powered heliostats
[NASA-CASE-GSC-10945-1] c 21 N72-31637
- CRAWFORD, R. F.**
Foldable beam
[NASA-CASE-LAR-12077-1] c 31 N81-25259
Sequentially deployable maneuverable tetrahedral beam
[NASA-CASE-LAR-13098-1] c 31 N83-35178
- CRAWFORD, W. E.**
Drive circuit for minimizing power consumption in inductive load Patent
[NASA-CASE-NPO-10716] c 09 N71-24892
- CREASY, W. K.**
Shock absorber Patent
[NASA-CASE-XMS-03722] c 15 N71-21530
- CREE, D.**
Amplifier drift tester
[NASA-CASE-XMS-05562-1] c 09 N69-39988
- CREE, R. F.**
Catalyst for growth of boron carbide single crystal whiskers
[NASA-CASE-XHQ-03903] c 15 N69-21922
- CREEDON, J. F.**
Weld-bonded titanium structures
[NASA-CASE-LAR-11549-1] c 37 N77-11397
- CREEL, T. R., JR.**
Apparatus for determining thermophysical properties of test specimens
[NASA-CASE-LAR-11883-1] c 09 N77-27131
Sound shield
[NASA-CASE-LAR-12883-1] c 71 N83-17235
- CREPEAU, P. C.**
Flexible, repairable, portable material for electrical connectors Patent
[NASA-CASE-XGS-05180] c 18 N71-25881
- CRESS, S. B.**
Coaxial inverted geometry transistor having buried emitter
[NASA-CASE-ARC-10330-1] c 09 N73-32112
- CRESSEY, J. R.**
Display for binary characters Patent
[NASA-CASE-XGS-04987] c 08 N71-20571
- CREWS, J. H., JR.**
Strain coupled servo control system Patent
[NASA-CASE-XLA-08530] c 32 N71-25360
- CRIBB, H. E.**
Parasitic probe antenna Patent
[NASA-CASE-XKS-09348] c 09 N71-13521
Weatherproof helix antenna Patent
[NASA-CASE-XKS-08485] c 07 N71-19493
VHF/UHF parasitic probe antenna Patent
[NASA-CASE-XKS-09340] c 07 N71-24614
Validation device for spacecraft checkout equipment Patent
[NASA-CASE-XKS-10543] c 07 N71-26292
Protective suit having an audio transceiver Patent
[NASA-CASE-KSC-10184] c 07 N71-33108
Collapsible high gain antenna
[NASA-CASE-KSC-10392] c 07 N73-26117
- CROFT, R. M.**
Personal propulsion unit Patent
[NASA-CASE-MFS-20130] c 28 N71-27585
- CROFTS, D. E.**
Heat flux sensor assembly
[NASA-CASE-XMS-05909-1] c 14 N69-27459
- CROONQUIST, A. P.**
Acoustic rotation control
[NASA-CASE-NPO-15689-1] c 35 N82-24475
- CROSWELL, W. F.**
Omnidirectional microwave spacecraft antenna Patent
[NASA-CASE-XLA-03114] c 09 N71-22888
Stacked array of omnidirectional antennas
[NASA-CASE-LAR-10545-1] c 09 N72-21244
- CROUCH, C. E.**
Coal-rock interface detector
[NASA-CASE-MFS-23725-1] c 43 N79-31706
- CROUCH, H. W.**
Shrink-fit gas valve Patent
[NASA-CASE-XGS-00587] c 15 N70-35087
- CROUCH, R. K.**
Vapor phase growth of groups 3-5 compounds by hydrogen chloride transport of the elements
[NASA-CASE-LAR-11144-1] c 25 N75-26043
Reusable thermal cycling clamp
[NASA-CASE-LAR-12868-1] c 27 N82-18390
- CROW, R. B.**
Wide band doubler and sine wave quadrature generator
[NASA-CASE-NPO-11133] c 10 N72-20223
Filter for third order phase locked loops
[NASA-CASE-NPO-11841-1] c 10 N73-27171
Frequency discriminator and phase detector circuit
[NASA-CASE-NPO-11515-1] c 33 N77-13315
- CROWELL, R. T.**
System and method for refurbishing and processing parachutes
[NASA-CASE-KSC-11042-2] c 02 N81-26073
Method for refurbishing and processing parachutes
[NASA-CASE-KSC-11042-1] c 09 N82-29330
- CRUM, G. W.**
Foot pedal operated fluid type exercising device
[NASA-CASE-MSC-11561-1] c 05 N73-32014
- CRUMPLER, J. F.**
Vacuum pressure molding technique
[NASA-CASE-LAR-10073-1] c 37 N76-24575
- CRUMPLER, W. B.**
All-directional fastener Patent
[NASA-CASE-XLA-01807] c 15 N71-10799
Multilegged support system Patent
[NASA-CASE-XLA-01326] c 11 N71-21481
- CRUTCHER, J. E.**
Isolation coupling arrangement for a torque measuring system
[NASA-CASE-XLA-04897] c 15 N72-22482
- CUBBISON, R. W.**
Thrust and direction control apparatus Patent
[NASA-CASE-XLE-03583] c 31 N71-17629
- CUBLEY, H. D.**
Antenna array phase quadrature tracking system Patent
[NASA-CASE-MSC-12205-1] c 07 N71-27056
- CUDDIHY, E. F.**
Method of making hollow elastomeric bodies
[NASA-CASE-NPO-13535-1] c 37 N76-31524
- CULLER, V. H.**
Myocardium wall thickness transducer and measuring method
[NASA-CASE-NPO-13644-1] c 52 N76-29895
Catheter tip force transducer for cardiovascular research
[NASA-CASE-NPO-13643-1] c 52 N76-29896
Simultaneous muscle force and displacement transducer
[NASA-CASE-NPO-14212-1] c 52 N80-27072
Multifunctional transducer
[NASA-CASE-NPO-14329-1] c 52 N81-20703
- CULOTTA, R. F.**
Static pressure orifice system testing method and apparatus
[NASA-CASE-LAR-12269-1] c 35 N80-18358
- CULP, D. H.**
Process for preparing liquid metal electrical contact device
[NASA-CASE-LEW-11978-1] c 33 N77-26385
- CUNNINGHAM, H. R.**
Potable water dispenser
[NASA-CASE-MFS-21115-1] c 54 N74-12779
- CUNNINGHAM, J. W.**
Automatic thermal switch
[NASA-CASE-GSC-12415-1] c 33 N82-24419
Automatic thermal switch
[NASA-CASE-GSC-12553-1] c 34 N83-28356
- CUNNINGHAM, R. E.**
Hydrostatic bearing support
[NASA-CASE-LEW-11158-1] c 37 N77-28486
Variable force, eddy-current or magnetic damper
[NASA-CASE-LEW-13717-1] c 39 N83-20284
- CURREN, A. N.**
Ion beam textured graphite electrode plates
[NASA-CASE-LEW-12919-2] c 24 N82-26386
Ion sputter textured graphite
[NASA-CASE-LEW-12919-1] c 24 N83-10117

CURRIE, J. R.

- Bi-carrier demodulator with modulation Patent
[NASA-CASE-XMF-01160] c 07 N71-11298
- Transistor servo system including a unique differential amplifier circuit Patent
[NASA-CASE-XMF-05195] c 10 N71-24861
- Pulse width inverter Patent
[NASA-CASE-MFS-10068] c 10 N71-25139
- Ratemeter
[NASA-CASE-MFS-20418] c 14 N73-24473
- Induction motor control system with voltage controlled oscillator circuit
[NASA-CASE-MFS-21465-1] c 10 N73-32145
- Contour measurement system
[NASA-CASE-MFS-23726-1] c 43 N79-26439
- Multi-channel temperature measurement amplification system
[NASA-CASE-MFS-23775-1] c 44 N82-16474
- Solar energy control system
[NASA-CASE-MFS-25287-1] c 44 N82-18686
- Photoelectric detection system
[NASA-CASE-MFS-23776-1] c 33 N82-28545

CURRIE, R. E., JR.

- Relay binary circuit Patent
[NASA-CASE-XMF-00421] c 09 N70-34502

CURRY, J. E.

- Method of producing alternating ether siloxane copolymers Patent
[NASA-CASE-XMF-02584] c 06 N71-20905

CURRY, K. C.

- Torsional disconnect unit
[NASA-CASE-NPO-10704] c 15 N72-20445

CURRY, R. E.

- Display research collision warning system
[NASA-CASE-HQN-10703] c 21 N73-13643

CURTIS, D. L.

- Life support system
[NASA-CASE-MSC-12411-1] c 05 N72-20096

CYGNAROWICZ, T. A.

- System for and method of freezing biological tissue
[NASA-CASE-GSC-12173-1] c 51 N79-10694

CZARCINSKI, E. A.

- Programmable telemetry system Patent
[NASA-CASE-GSC-10131-1] c 07 N71-24624

D

DABNEY, R. W.

- Power control for ac motor
[NASA-CASE-MFS-25862] c 33 N83-28329

DAEGES, J. J.

- Motor run-up system
[NASA-CASE-NPO-13374-1] c 33 N75-19524

DAHLM, W. K.

- Clear air turbulence detector
[NASA-CASE-MFS-21244-1] c 36 N75-15028
- Focused laser Doppler velocimeter
[NASA-CASE-MFS-23178-1] c 35 N77-10493
- Wind measurement system
[NASA-CASE-MFS-23362-1] c 47 N77-10753

DAILED, J. J.

- Multi-purpose wind tunnel reaction control model block
[NASA-CASE-MSC-19706-1] c 09 N78-31129

DAILEY, C. C.

- Microwave power receiving antenna Patent
[NASA-CASE-MFS-20333] c 09 N71-13486
- Method of and means for testing a glancing-incidence mirror system of an X-ray telescope
[NASA-CASE-MFS-22409-2] c 74 N78-15880

DALE, W. J.

- Method of fabricating an article with cavities
[NASA-CASE-LAR-10318-1] c 31 N74-18089
- Bonding method in the manufacture of continuous regression rate sensor devices
[NASA-CASE-LAR-10337-1] c 24 N75-30260

DALELIO, G. F.

- Synthesis of polymeric schiff bases by schiff-base exchange reactions Patent
[NASA-CASE-XMF-08651] c 06 N71-11236
- Direct synthesis of polymeric schiff bases from two amines and two aldehydes Patent
[NASA-CASE-XMF-08655] c 06 N71-11239
- Azine polymers and process for preparing the same Patent
[NASA-CASE-XMF-08656] c 06 N71-11242
- Synthesis of polymeric schiff bases by reaction of acetals and amine compounds Patent
[NASA-CASE-XMF-08652] c 06 N71-11243
- Aromatic diamine-aromatic dialdehyde high molecular weight schiff base polymers prepared in a monofunctional schiff base Patent
[NASA-CASE-XMF-03074] c 06 N71-24740

DALY, W. M.

- Fault tolerant clock apparatus utilizing a controlled minority of clock elements
[NASA-CASE-MSC-12531-1] c 35 N75-30504

DAME, J. M.

- High-torque open-end wrench
[NASA-CASE-NPO-13541-1] c 37 N79-14383

DAMERON, C. E.

- Instrument for measuring potentials on two dimensional electric field plots Patent
[NASA-CASE-XLA-08493] c 10 N71-19421

DAMMIG, A. H., JR.

- Capacitive tank gaging apparatus being independent of liquid distribution
[NASA-CASE-MFS-21629] c 14 N72-22442

DANCHENKO, V.

- Radiation hardening of MOS devices by boron
[NASA-CASE-GSC-11425-1] c 76 N74-20329
- Radiation hardening of MOS devices by boron
[NASA-CASE-GSC-11425-2] c 76 N75-25730

DANE, D. H.

- Harness assembly Patent
[NASA-CASE-MFS-14671] c 05 N71-12341
- Air cushion lift pad Patent
[NASA-CASE-MFS-14685] c 31 N71-15689
- Ratchet mechanism Patent
[NASA-CASE-MFS-12805] c 15 N71-17805
- Mechanical simulator of low gravity conditions Patent
[NASA-CASE-MFS-10555] c 11 N71-19494
- Mechanically actuated triggered hand
[NASA-CASE-MFS-20413] c 15 N72-21463
- Sprag solenoid brake
[NASA-CASE-MFS-21846-1] c 37 N74-26976
- Orthotic arm joint
[NASA-CASE-MFS-21611-1] c 54 N75-12616
- Remote manipulator system
[NASA-CASE-MFS-22022-1] c 37 N76-15460

DANELLIS, J. V.

- Indomethacin-anthistamine combination for gastric ulceration control
[NASA-CASE-ARC-11118-1] c 52 N81-29764

DANGLE, E. E.

- Rocket engine Patent
[NASA-CASE-XLE-00342] c 28 N70-37980

DANIELS, A.

- Stirling cycle cryogenic cooler
[NASA-CASE-GSC-12697-1] c 31 N82-11312
- Stirling cycle cryogenic cooler
[NASA-CASE-LAR-12697-1] c 44 N83-28574

DANIELS, H. J.

- Adaptive tracking notch filter system Patent
[NASA-CASE-XMF-01892] c 10 N71-22986

DANSKIN, J. H.

- Fuel injection pump for internal combustion engines Patent
[NASA-CASE-MSC-12139-1] c 28 N71-14058

DARCEY, R. J.

- Satellite communication system and method Patent
[NASA-CASE-GSC-10118-1] c 07 N71-24621

DARGO, D.

- Integrated photo-responsive metal oxide semiconductor circuit
[NASA-CASE-GSC-12782-1] c 33 N83-13360

DARR, J. JR.

- Threadless fastener apparatus Patent
[NASA-CASE-XFR-05302] c 15 N71-23254

DARROW, W. E., JR.

- Collapsible nozzle extension for rocket engines Patent
[NASA-CASE-MFS-11497] c 28 N71-16224

DASGUPTA, K.

- Dual purpose optical instrument capable of simultaneously acting as spectrometer and diffractometer
[NASA-CASE-XNP-05231] c 14 N73-28491

DASTOOR, M. N.

- Enhancement of in vitro guayule propagation
[NASA-CASE-NPO-15213-1] c 51 N83-17045

DAUD, T.

- Copper doped polycrystalline silicon solar cell
[NASA-CASE-NPO-14670-1] c 44 N81-19558
- Method for growing low defect, high purity crystalline layers
[NASA-CASE-NPO-15813-1] c 76 N83-30269

DAVID-MALIG, M. A.

- Method and tool for machining a transverse slot about a bore
[NASA-CASE-LAR-11855-1] c 37 N81-14319

DAVID, R. M.

- Insulated electrocardiographic electrodes
[NASA-CASE-MSC-14339-1] c 05 N75-24716

DAVIDS, L. H.

- Guidance and maneuver analyzer Patent
[NASA-CASE-XNP-09572] c 14 N71-15621

DAVIDSON, A. C.

- Spacecraft attitude sensor
[NASA-CASE-GSC-10890-1] c 21 N73-30640

DAVIDSON, G. A.

- Compact spectroradiometer
[NASA-CASE-HQN-10683] c 14 N71-34389

DAVIDSON, J. K.

- Ripple indicator
[NASA-CASE-KSC-10162] c 09 N72-11225

DAVIDSON, J. R.

- Error correction method and apparatus for electronic timepieces
[NASA-CASE-LAR-12654-1] c 33 N83-36357

DAVIDSON, J. S. W.

- Centrifuge mounted motion simulator Patent
[NASA-CASE-XAC-00399] c 11 N70-34815

DAVIES, W. D. T.

- Correlation type phase detector
[NASA-CASE-GSC-11744-1] c 33 N75-26243

DAVIS, A. J.

- Fiber optic vibration transducer and analyzer Patent
[NASA-CASE-XMF-02433] c 14 N71-10616

DAVIS, B. K.

- Spectral method for monitoring atmospheric contamination of inert-gas welding shields Patent
[NASA-CASE-XMF-02039] c 15 N71-15871

DAVIS, B. K.

- Stud-bonding gun
[NASA-CASE-MFS-20299] c 15 N72-11392

DAVIS, B. K.

- Solar energy power system
[NASA-CASE-MFS-21628-1] c 44 N75-32581

DAVIS, B. K.

- Solar energy power system
[NASA-CASE-MFS-21628-2] c 44 N76-23675

DAVIS, D. C.

- Fatigue failure load indicator
[NASA-CASE-LAR-12027-1] c 39 N79-22537

DAVIS, D. P.

- Quick disconnect coupling
[NASA-CASE-NPO-11202] c 15 N72-25450

DAVIS, E. J.

- Cable stabilizer for open shaft cable operated elevators
[NASA-CASE-KSC-10513] c 15 N72-25453

DAVIS, E. S.

- Anti-glare improvement for optical imaging systems Patent
[NASA-CASE-NPO-10337] c 14 N71-15604

DAVIS, J. G., JR.

- Radiant energy intensity measurement system Patent
[NASA-CASE-XNP-06510] c 14 N71-23797

DAVIS, J. G., JR.

- Reference voltage switching unit
[NASA-CASE-NPO-11253] c 09 N72-17157

DAVIS, J. G., JR.

- Tube fabricating process
[NASA-CASE-LAR-10203-1] c 15 N72-16330

DAVIS, J. P.

- Multiducted electromagnetic pump Patent
[NASA-CASE-NPO-10755] c 15 N71-27084

DAVIS, J. P.

- Shell side liquid metal boiler
[NASA-CASE-NPO-10831] c 33 N72-20915

DAVIS, J. P.

- Uninsulated in-core thermionic diode
[NASA-CASE-NPO-10542] c 09 N72-27228

DAVIS, J. W.

- Burst diaphragm flow initiator Patent
[NASA-CASE-MFS-12915] c 11 N71-17600

DAVIS, J. W.

- Wind tunnel test section
[NASA-CASE-MFS-20509] c 11 N72-17183

DAVIS, J. W.

- Altitude simulation chamber for rocket engine testing
[NASA-CASE-MFS-20620] c 11 N72-27262

DAVIS, L. P.

- Isolation coupling arrangement for a torque measuring system
[NASA-CASE-XLA-04897] c 15 N72-22482

DAVIS, N. S.

- Decomposition unit Patent
[NASA-CASE-XMS-00583] c 28 N70-38504

DAVIS, R. C.

- Curved cap corrugated sheet
[NASA-CASE-LAR-12884-1] c 31 N83-29446

DAVIS, R. C.

- Daze fasteners
[NASA-CASE-LAR-13009-1] c 37 N83-29706

DAVIS, W. T.

- Strain coupled servo control system Patent
[NASA-CASE-XLA-08530] c 32 N71-25360

DAVIS, W. T.

- Fatigue failure load indicator
[NASA-CASE-LAR-12027-1] c 39 N79-22537

DAVIS, W. T.

- Missile rolling tail brake torque system
[NASA-CASE-LAR-12751-1] c 37 N82-26675

DAVISON, E. H.

- Meteoroid sensing apparatus having a coincidence network connected to a pair of capacitors Patent
[NASA-CASE-XLE-01246] c 14 N71-10797

DAVISON, H. W.

- Gaseous control system for nuclear reactors
[NASA-CASE-XLE-04599] c 22 N72-20597

DAWN, F. S.

- Burn rate testing apparatus
[NASA-CASE-XMS-09690] c 33 N72-25913

- Lightweight electrically-powered flexible thermal laminate
[NASA-CASE-MSC-12662-1] c 33 N79-12331
Absorbent product and articles made therefrom
[NASA-CASE-MSC-18223-2] c 52 N82-26960
Absorbent product to absorb fluids
[NASA-CASE-MSC-18223-1] c 24 N82-29362
- DAY, J. L.**
Electrode for biological recording
[NASA-CASE-XMS-02872] c 05 N69-21925
Pressed disc type sensing electrodes with ion-screening means Patent
[NASA-CASE-XMS-04212-1] c 05 N71-12346
Method of making a perspiration resistant biopotential electrode
[NASA-CASE-MSC-90153-2] c 05 N72-25120
- DAY, R. M.**
Portable pallet weight apparatus
[NASA-CASE-GSC-12789-1] c 35 N83-13425
- DAYAN, V. H.**
Hydrogen leak detection device Patent
[NASA-CASE-MFS-11537] c 14 N71-20442
- DEA, J. Y.**
Improved constant-output atomizer
[NASA-CASE-MSC-25631-1] c 34 N82-10360
- DEADMORE, D. L.**
Method of protecting a surface with a silicon-slurry/aluminate coating
[NASA-CASE-LEW-13343-1] c 27 N82-28441
Silicon-slurry/aluminate coating
[NASA-CASE-LEW-13343] c 26 N83-31795
- DEATON, E. T., JR.**
Contour measurement system
[NASA-CASE-MFS-23726-1] c 43 N79-26439
- DEBNAM, W. J. J.**
Magnetometer with a miniature transducer and automatic scanning
[NASA-CASE-LAR-11617-2] c 35 N78-32397
- DEBNAM, W. J., JR.**
Vapor phase growth of groups 3-5 compounds by hydrogen chloride transport of the elements
[NASA-CASE-LAR-11144-1] c 25 N75-26043
Reusable thermal cycling clamp
[NASA-CASE-LAR-12868-1] c 27 N82-18390
Ampoule sealing apparatus and process
[NASA-CASE-LAR-12847-1] c 33 N83-16633
- DEBOO, G. J.**
Gyrator type circuit Patent
[NASA-CASE-XAC-10608-1] c 09 N71-12517
Feedback integrator with grounded capacitor Patent
[NASA-CASE-XAC-10607] c 10 N71-23669
Precision rectifier with FET switching means Patent
[NASA-CASE-ARC-10101-1] c 09 N71-33109
Phase shift circuit apparatus
[NASA-CASE-ARC-10269-1] c 10 N72-16172
Temperature compensated light source using a light emitting diode
[NASA-CASE-ARC-10467-1] c 09 N73-14214
Self-tuning bandpass filter
[NASA-CASE-ARC-10264-1] c 09 N73-20231
Test apparatus for locating shorts during assembly of electrical buses
[NASA-CASE-ARC-11116-1] c 33 N82-24420
- DECARLO, F. S.**
Failure detection and control means for improved drift performance of a gimbal platform system
[NASA-CASE-MFS-23551-1] c 04 N76-26175
- DECKER, A. J.**
High powered arc electrodes
[NASA-CASE-LEW-11162-1] c 33 N74-12913
- DEDOLPH, R. D.**
Rotary plant growth accelerating apparatus
[NASA-CASE-ARC-10722-1] c 51 N75-25503
- DEERKOSKI, L. F.**
Signal-to-noise ratio determination circuit
[NASA-CASE-GSC-11239-1] c 10 N73-25241
Switchable beamwidth monopulse method and system
[NASA-CASE-GSC-11924-1] c 33 N76-27472
Pseudo noise code and data transmission method and apparatus
[NASA-CASE-GSC-12017-1] c 32 N77-30308
- DEFURIA, R. R.**
Fluid power transmitting gas bearing Patent
[NASA-CASE-ERC-10097] c 15 N71-28465
- DEGEER, M. D.**
Traversing probe Patent
[NASA-CASE-XFR-02007] c 12 N71-24692
- DEGRASSE, R. W.**
Folded traveling wave maser structure Patent
[NASA-CASE-XNP-05219] c 16 N71-15550
- DEIS, B. C.**
Traveling sealer for contoured table Patent
[NASA-CASE-XLA-01494] c 15 N71-24164
- DEL CASALE, L. A.**
Signal generator
[NASA-CASE-XNP-05612] c 09 N69-21468
- DEL CURTO, B.**
System for monitoring the presence of neutrals in a stream of ions Patent
[NASA-CASE-XNP-02592] c 24 N71-20518
- DEL DUCA, A.**
Electronic divider and multiplier using photocells Patent
[NASA-CASE-XFR-05637] c 09 N71-19480
- DELANO, C. B.**
Polymenc foams from cross-linkable poly-n-arylenebenzimidazoles
[NASA-CASE-ARC-11008-1] c 27 N78-31232
- DELAPLAIN, R. W.**
Rotary leveling base platform
[NASA-CASE-ARC-10981-1] c 37 N78-27425
Sweat collection capsule
[NASA-CASE-ARC-11031-1] c 52 N81-29763
- DELATEUR, L. A.**
Emergency earth orbital escape device
[NASA-CASE-MSC-13281] c 31 N72-18859
- DELGREGO, D. J.**
Clear air turbulence detector
[NASA-CASE-MFS-21244-1] c 36 N75-15028
- DELUCA, J. J.**
Segmented superconducting magnet for a broadband traveling wave maser Patent
[NASA-CASE-XGS-10518] c 16 N71-28554
Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
[NASA-CASE-GSC-11577-1] c 37 N75-15992
Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
[NASA-CASE-GSC-11577-3] c 24 N79-25143
- DELVIGS, P.**
Preparation of polyimides from mixtures of monomeric diamines and esters of polycarboxylic acids
[NASA-CASE-LEW-11325-1] c 06 N73-27980
Curing agent for polyepoxides and epoxy resins and composites cured therewith
[NASA-CASE-LEW-13226-1] c 27 N81-17260
Composition and method for making polyimide resin-reinforced fabric
[NASA-CASE-LEW-12933-1] c 27 N81-19296
Low temperature cross linking polyimides
[NASA-CASE-LEW-12876-2] c 27 N83-29392
- DEMING, J. W.**
Determination of antimicrobial susceptibilities on infected urines without isolation
[NASA-CASE-GSC-12046-1] c 52 N79-14750
Rapid, quantitative determination of bacteria in water
[NASA-CASE-GSC-12158-1] c 51 N83-27569
- DEMOGENES, C.**
Low cycle fatigue testing machine
[NASA-CASE-LAR-10270-1] c 32 N72-25877
- DEMOREST, K. E.**
Self-lubricating gears and other mechanical parts Patent
[NASA-CASE-MFS-14971] c 15 N71-24984
- DEMPEY, T. K.**
Ride quality meter
[NASA-CASE-LAR-12882-1] c 54 N81-31848
- DENACI, D. E.**
Clamping assembly for inertial components Patent
[NASA-CASE-XMS-02184] c 15 N71-20813
- DENEFF, D. E.**
Television camera video level control system
[NASA-CASE-MSC-18578-1] c 74 N82-27121
- DEO, N.**
Dual purpose momentum wheels for spacecraft with magnetic recording
[NASA-CASE-NPO-11481] c 21 N73-13644
- DERING, V. G.**
Vortex brech high pressure gas generator
[NASA-CASE-LAR-10549-1] c 31 N73-13898
- DERR, L. J.**
Direct radiation cooling of the collector of linear beam tubes
[NASA-CASE-XNP-09227] c 15 N69-24319
Temperature-compensating means for cavity resonator of amplifier Patent
[NASA-CASE-XNP-00449] c 14 N70-35220
Electron beam tube containing a multiple cathode array employing indexing means for cathode substitution Patent
[NASA-CASE-NPO-10625] c 09 N71-26182
Thermostatic actuator
[NASA-CASE-NPO-10637] c 15 N72-12409
Thermal motor
[NASA-CASE-NPO-11283] c 09 N72-25260
Electrostatically controlled heat shutter
[NASA-CASE-NPO-11942-1] c 33 N73-32818
- DESCAMP, V. A.**
Filter regeneration systems
[NASA-CASE-MSC-14273-1] c 34 N75-33342
- DESTEESE, J. G.**
Thermionic tantalum emitter doped with oxygen Patent Application
[NASA-CASE-NPO-11138] c 03 N70-34646
- DETTING, J. R.**
Retractable environmental seal
[NASA-CASE-MFS-23646-1] c 37 N79-22474
- DETWEILER, H. K.**
High isolation RF signal selection switches
[NASA-CASE-NPO-13081-1] c 33 N74-22814
- DEVINE, D. L.**
Test apparatus for locating shorts during assembly of electrical buses
[NASA-CASE-ARC-11116-1] c 33 N82-24420
- DEVINE, E. J.**
Optical tracker having overlapping reticles on parallel axes Patent
[NASA-CASE-XGS-05715] c 23 N71-16100
- DEWHIRST, D. L.**
Deformable vehicle wheel Patent
[NASA-CASE-MFS-20400] c 31 N71-18611
- DEWITT, R. L.**
Fluid coupling Patent
[NASA-CASE-XLE-00397] c 15 N70-36492
- DEYOUNG, R. J.**
Volumetric direct nuclear pumped laser
[NASA-CASE-LAR-12183-1] c 36 N79-18307
Large volume multiple-path nuclear pumped laser
[NASA-CASE-LAR-12592-1] c 36 N82-13415
- DI LOSA, V. J.**
Diversity receiving system with diversity phase lock Patent
[NASA-CASE-XGS-01222] c 10 N71-20841
- DIAMOND, D. D.**
Stator rotor tools
[NASA-CASE-MSC-16000-1] c 37 N78-24544
- DIAMOND, R. M.**
Central spar and module joint Patent
[NASA-CASE-XNP-02341] c 15 N71-21531
- DIBATTISTA, J. D.**
Determining particle density using known material Hugoniot curves
[NASA-CASE-LAR-11059-1] c 76 N75-12810
Meteoroid impact position locator aid for manned space station
[NASA-CASE-LAR-10629-1] c 35 N75-33367
- DICARLO, J. A.**
Method and apparatus for strengthening boron fibers
[NASA-CASE-LEW-13826-1] c 24 N82-26385
- DICKENS, L. E.**
Millimeter wave pumped parametric amplifier
[NASA-CASE-GSC-11617-1] c 33 N74-32660
- DICKERSON, G. E.**
Composite lamination method
[NASA-CASE-LAR-12019-1] c 24 N78-17150
- DICKINSON, R. M.**
Thin conformal antenna array for microwave power conversions
[NASA-CASE-NPO-13886-1] c 32 N78-24391
RF beam center location method and apparatus for power transmission system
[NASA-CASE-NPO-13821-1] c 44 N78-28594
Microwave power transmission beam safety system
[NASA-CASE-NPO-14224-1] c 33 N80-18287
Integrated opto-electronic laser beam deflector position detector
[NASA-CASE-NPO-15943-1] c 36 N83-20092
- DIETRICH, F. J.**
Amplitude steered array
[NASA-CASE-GSC-11446-1] c 33 N74-20860
- DILL, W. P.**
Method and automated apparatus for detecting coliform organisms
[NASA-CASE-MSC-16777-1] c 51 N80-27067
- DILLARD, P. A.**
Method of fabricating a photovoltaic module of a substantially transparent construction
[NASA-CASE-NPO-14303-1] c 44 N80-18550
- DILLON, R. F., JR.**
Shock absorbing mount for electrical components
[NASA-CASE-NPO-13253-1] c 37 N75-18573
- DIMEFF, J.**
Cryogenic apparatus for measuring the intensity of magnetic fields
[NASA-CASE-XAC-02407] c 14 N69-27423
Apparatus for coupling a plurality of ungrounded circuits to a grounded circuit Patent
[NASA-CASE-XAC-00086] c 09 N70-33182
Two-plane balance Patent
[NASA-CASE-XAC-00073] c 14 N70-34813
Differential pressure cell Patent
[NASA-CASE-XAC-00042] c 14 N70-34816
High speed low level electrical stepping switch Patent
[NASA-CASE-XAC-00060] c 09 N70-39915
Dynamic sensor Patent
[NASA-CASE-XAC-02877] c 14 N70-41681

- Electrostatic charged particle analyzer having deflection members shaped according to the periodic voltage applied thereto Patent
[NASA-CASE-XAC-05506-1] c 24 N71-16095
- Inertial reference apparatus Patent
[NASA-CASE-XAC-03107] c 23 N71-16098
- Thermal detector of electromagnetic energy by means of a vibrating electrode Patent
[NASA-CASE-XAC-10768] c 09 N71-18830
- Vibrating element electrometer with output signal magnified over input signal by a function of the mechanical Q of the vibrating element Patent
[NASA-CASE-XAC-02807] c 09 N71-23021
- Wide range dynamic pressure sensor
[NASA-CASE-ARC-10263-1] c 14 N72-22438
- Nondispersive gas analyzing method and apparatus wherein radiation is serially passed through a reference and unknown gas
[NASA-CASE-ARC-10308-1] c 06 N72-31141
- Chromato-fluorographic drug detector
[NASA-CASE-ARC-10633-1] c 25 N74-26947
- Diode-quad bridge circuit means
[NASA-CASE-ARC-10384-3] c 33 N75-19520
- Diode-quad bridge circuit means
[NASA-CASE-ARC-10364-2] c 33 N75-25041
- NDIR gas analyzer based on absorption modulation ratios for known and unknown samples
[NASA-CASE-ARC-10802-1] c 35 N75-30502
- Modulated hydrogen ion flame detector
[NASA-CASE-ARC-10322-1] c 35 N76-18403
- Method and apparatus for compensating reflection losses in a path length modulated absorption-absorption trace gas detector
[NASA-CASE-ARC-10631-1] c 74 N76-20958
- Nulling device for detection of trace gases by NDIR absorption
[NASA-CASE-ARC-10760-1] c 25 N76-22323
- Integrated structure vacuum tube
[NASA-CASE-ARC-10445-1] c 31 N76-31365
- Optically selective, acoustically resonant gas detecting transducer
[NASA-CASE-ARC-10639-1] c 35 N78-13400
- DIX, M. G.**
Demodulation system Patent
[NASA-CASE-XAC-04030] c 10 N71-19472
- DIXON, G. V.**
Active vibration isolator for flexible bodies Patent
[NASA-CASE-LAR-10106-1] c 15 N71-27169
- DOBIES, E. F.**
Cyclically operable optical shutter
[NASA-CASE-NPO-10758] c 14 N73-14427
- DOD, L. R.**
Plural beam antenna
[NASA-CASE-GSC-11013-1] c 09 N73-19234
- DOGGETT, R. V., JR.**
Aeroelastic instability stoppers for wind tunnel models
[NASA-CASE-LAR-12458-1] c 44 N83-21503
- Aeroelastic instability stoppers for wind tunnel models
[NASA-CASE-LAR-12720-1] c 44 N83-21504
- DOLAND, G. D.**
Method and apparatus for decoding compatible convolutional codes
[NASA-CASE-MSC-14070-1] c 32 N74-32598
- Phased array antenna control
[NASA-CASE-MSC-14839-1] c 32 N78-11264
- Random digital encryption secure communication system
[NASA-CASE-MSC-18462-1] c 32 N82-31583
- DOLLAND, C. R.**
Combinational logic for generating gate drive signals for phase control rectifiers
[NASA-CASE-MFS-25208-1] c 33 N83-10345
- Adaptive reference voltage generator for firing angle control of line-commutated inverters
[NASA-CASE-MFS-25215-1] c 33 N83-31953
- Adaptive control system for line-commutated inverters
[NASA-CASE-MFS-25209-1] c 33 N83-35227
- DOLLYHIGH, S. M.**
Metric half-span model support system
[NASA-CASE-LAR-12441-1] c 09 N82-23254
- DOMAS, P. A.**
Redundant disc
[NASA-CASE-LEW-12498-1] c 07 N78-33101
- DOMBROWSKI, H. G.**
Adjustable tension wire guide Patent
[NASA-CASE-XMS-02383] c 15 N71-15918
- DONALDSON, R. W., JR.**
Gas chromatograph injection system
[NASA-CASE-ARC-10344-2] c 35 N75-26334
- DONNELLY, P. C.**
Prevention of pressure build-up in electrochemical cells Patent
[NASA-CASE-XGS-01419] c 03 N70-41864
- DONNINI, J. M.**
Hydrogen fire blink detector
[NASA-CASE-MFS-15063] c 14 N72-25412
- DONOHUE, J. H.**
Passive dual spin misalignment compensators
[NASA-CASE-GSC-11479-1] c 35 N74-28097
- Active nutation controller
[NASA-CASE-GSC-12273-1] c 35 N80-21719
- DONOVAN, B. P.**
Artificial gravity spin deployment system Patent
[NASA-CASE-XNP-02595] c 31 N71-21881
- DONOVAN, G.**
Drying apparatus for photographic sheet material
[NASA-CASE-GSC-11074-1] c 14 N73-28489
- DONOVAN, R. P.**
Particulate and aerosol detector
[NASA-CASE-LAR-11434-1] c 35 N76-22509
- DOONG, H.**
Analog to digital converter Patent
[NASA-CASE-XLA-00670] c 08 N71-12501
- Controllable high voltage source having fast settling time
[NASA-CASE-GSC-11844-1] c 33 N75-19522
- DORNE, A.**
Nose cone mounted heat resistant antenna Patent
[NASA-CASE-XMS-04312] c 07 N71-22984
- DOTSON, W. P., JR.**
Digital to analog conversion apparatus
[NASA-CASE-MSC-12458-1] c 08 N73-32081
- DOTT, R. L.**
Thermal insulation protection means
[NASA-CASE-MSC-12737-1] c 24 N79-25142
- Attachment system for silica tiles
[NASA-CASE-MSC-18741-1] c 27 N82-29456
- High temperature silicon carbide impregnated insulating fabrics
[NASA-CASE-MSC-18832-1] c 27 N83-18908
- DOUGHERTY, H. B.**
Rotary solenoid shutter drive assembly and rotary inertia damper and stop plate assembly
[NASA-CASE-GSC-11560-1] c 33 N74-20861
- DOUGHTY, R. A.**
Automatic signal range selector for metering devices Patent
[NASA-CASE-XMS-06497] c 14 N71-26244
- DOUGLAS, J.**
Process of casting heavy slips Patent
[NASA-CASE-XLE-00106] c 15 N71-16076
- DOUGLAS, J. L.**
Maximum power point tracker Patent
[NASA-CASE-GSC-10376-1] c 14 N71-27407
- DOW, M. B.**
Vacuum pressure molding technique
[NASA-CASE-LAR-10073-1] c 37 N76-24575
- DOW, N. F.**
Two component bearing Patent
[NASA-CASE-XLA-00013] c 15 N71-29136
- DOWLER, W. L.**
Solid propellant rocket motor nozzle
[NASA-CASE-NPO-11458] c 28 N72-23810
- Solid propellant rocket motor
[NASA-CASE-NPO-11559] c 28 N73-24784
- Seismic vibration source
[NASA-CASE-NPO-14112-1] c 46 N79-22679
- DOWNING, R. G.**
Bonding machine for forming a solar array strip
[NASA-CASE-NPO-13652-2] c 44 N79-24431
- DOWNS, W. R.**
Transpirationally cooled heat ablation system Patent
[NASA-CASE-XMS-02677] c 31 N70-42075
- Method for obtaining oxygen from lunar or similar soil
[NASA-CASE-MSC-12408-1] c 46 N74-13011
- DOYLE, J. C.**
Measuring device Patent
[NASA-CASE-XMS-01546] c 14 N70-40233
- DRAPEAU, D. F.**
Slow opening valve
[NASA-CASE-MSC-20112-1] c 37 N82-28641
- DREIBACH, F. W.**
Film advance indicator
[NASA-CASE-LAR-12474-1] c 35 N82-26628
- DRESHFIELD, R. L.**
Cobalt-base alloy
[NASA-CASE-LEW-10436-1] c 17 N73-32415
- DRESSER, H. S.**
Multi-purpose wind tunnel reaction control model block
[NASA-CASE-MSC-19706-1] c 09 N78-31129
- DREXHAGE, M. G.**
Injection head for delivering liquid fuel and oxidizers
[NASA-CASE-NPO-10046] c 28 N72-17843
- DREYFUS, M. G.**
Wedge immersed thermistor bolometers
[NASA-CASE-XGS-01245-1] c 35 N79-33449
- DRISCOLL, K. L.**
Means for accommodating large overstrain in lead wires
[NASA-CASE-LAR-10168-1] c 33 N74-22865
- DROST, E. J.**
Coal-shale interface detection
[NASA-CASE-MFS-23720-3] c 43 N79-25443
- DRUMMOND, A. S.**
Flexible back-up bar Patent
[NASA-CASE-XMF-00722] c 15 N70-40204
- DU PONT, P. S.**
Solar panel fabrication Patent
[NASA-CASE-XNP-03413] c 03 N71-26726
- DUBEY, M.**
Central spar and module joint Patent
[NASA-CASE-XNP-02341] c 15 N71-21531
- DUBOIS, R. D.**
Guide for a typewriter
[NASA-CASE-MFS-15218-1] c 37 N77-19457
- DUBUSKER, W.**
Apparatus for welding sheet material
[NASA-CASE-XMS-01330] c 37 N75-27376
- DUCKETT, J.**
Variable anodic thermal control coating
[NASA-CASE-LAR-12719-1] c 44 N83-34449
- DUFFY, J. O.**
Minimal logic block encoder Patent
[NASA-CASE-NPO-10595] c 10 N71-25917
- DUFRESNE, E. R.**
Tower evaporator
[NASA-CASE-NPO-15609-1] c 25 N83-36119
- DUNAETZ, R. A.**
Flexible, repairable, portable material for electrical connectors Patent
[NASA-CASE-XGS-05180] c 18 N71-25881
- DUNAVANT, J. C.**
Hot air balloon deceleration and recovery system Patent
[NASA-CASE-XLA-06824-2] c 02 N71-11037
- DUNN, J. G.**
Satellite interface synchronization system
[NASA-CASE-GSC-10390-1] c 07 N72-11149
- DUNN, J. H.**
Foldable conduit Patent
[NASA-CASE-XLE-00620] c 32 N70-41579
- DUNN, S. A.**
Sonic levitation apparatus
[NASA-CASE-MFS-25828-1] c 71 N83-26646
- DUNN, S. T.**
Ellipsoidal mirror reflectometer including means for averaging the radiation reflected from the sample Patent
[NASA-CASE-XGS-05291] c 23 N71-16341
- DUNN, T. J.**
Prestressed thermal protection systems
[NASA-CASE-MSC-20254-1] c 24 N83-17601
- DUNN, W. F.**
Water separator
[NASA-CASE-XMS-01295-1] c 37 N79-21345
- DUNN, W. R.**
Coaxial inverted geometry transistor having buried emitter
[NASA-CASE-ARC-10330-1] c 09 N73-32112
- DUNNAVANT, W. R.**
Process for preparation of dianilinosilanes Patent
[NASA-CASE-XMF-06409] c 06 N71-23230
- Process for preparation of high-molecular-weight polyaryloxysilanes Patent
[NASA-CASE-XMF-08674] c 06 N71-28807
- DUNNING, J. W., JR.**
Slug flow magnetohydrodynamic generator
[NASA-CASE-XLE-02083] c 03 N69-39983
- DUPRAW, W. A.**
Analytical test apparatus and method for determining oxide content of alkali metal Patent
[NASA-CASE-XLE-01997] c 06 N71-23527
- DURAN, E. N.**
Subminiature insertable force transducer
[NASA-CASE-NPO-13423-1] c 33 N75-31329
- Miniature muscle displacement transducer
[NASA-CASE-NPO-13519-1] c 33 N76-19338
- DURNEY, Q. P.**
Space suit
[NASA-CASE-MSC-12609-1] c 05 N73-32012
- DUSTIN, M. O.**
Pneumatic oscillator Patent
[NASA-CASE-LEW-10345-1] c 10 N71-25899
- Shock position sensor for supersonic inlets
[NASA-CASE-LEW-11915-1] c 35 N76-14431
- DWINELL, W. S.**
System for automatically switching transformer coupled lines
[NASA-CASE-MSC-16697-1] c 33 N79-28415

- EASLEY, W. C.**
Resonant waveguide stark cell
[NASA-CASE-LAR-11352-1] c 33 N75-26245

- EASTERLING, M. E.**
Baseband signal combiner for large aperture antenna array
[NASA-CASE-NPO-14641-1] c 32 N81-29308
- EASTERLING, M. F.**
Radar ranging receiver Patent
[NASA-CASE-XNP-00748] c 07 N70-36911
Phase-locked loop with sideband rejecting properties Patent
[NASA-CASE-XNP-02723] c 07 N70-41680
Time synchronization system utilizing moon reflected coded signals Patent
[NASA-CASE-NPO-10143] c 10 N71-26326
Two carrier communication system with single transmitter
[NASA-CASE-NPO-11548] c 07 N73-26118
Radio frequency arraying method for receivers
[NASA-CASE-NPO-14328-1] c 32 N80-18253
- EASTON, R. A.**
Data multiplexer using tree switching configuration
[NASA-CASE-NPO-11333] c 08 N72-22162
Flexible computer accessed telemetry
[NASA-CASE-NPO-11358] c 07 N72-25172
- EATON, L. R.**
Heat transfer device
[NASA-CASE-MFS-22938-1] c 34 N76-18374
- EBERSON, T. J.**
Inverter ratio failure detector
[NASA-CASE-NPO-13160-1] c 35 N74-18090
- EBIHARA, B. T.**
Thermal radiation shielding Patent
[NASA-CASE-XLE-03432] c 33 N71-24145
- EBY, R. J.**
Thermal control system for a spacecraft modular housing
[NASA-CASE-GSC-11018-1] c 31 N73-30829
- ECKERT, E. R. G.**
Transpiration cooled turbine blade manufactured from wires Patent
[NASA-CASE-XLE-00020] c 15 N70-33226
- ECKLES, P. N.**
High-speed infrared furnace
[NASA-CASE-XLE-10466] c 17 N69-25147
- ECONOMU, M. A.**
Wire stripper
[NASA-CASE-FRC-10111-1] c 37 N79-10419
Air speed and attitude probe
[NASA-CASE-FRC-11009-1] c 06 N80-18036
- ECORD, G. M.**
Densification of porous refractory substrates
[NASA-CASE-MSC-18737-1] c 24 N83-13171
Method of repairing surface damage to porous refractory substrates
[NASA-CASE-MSC-18736-1] c 24 N83-13172
- EDDINS, T. O.**
Space craft soft landing system Patent
[NASA-CASE-XMF-02108] c 31 N70-36845
Missile launch release system Patent
[NASA-CASE-XMF-03198] c 30 N70-40353
- EDGE, T. M.**
Energy saving electrical motor control system
[NASA-CASE-MFS-25560-1] c 33 N82-30472
- EDLESON, S. K.**
Latch/ejector unit Patent
[NASA-CASE-XLA-03538] c 15 N71-24897
- EDMAN, C. W.**
Electrical switching device Patent
[NASA-CASE-NPO-10037] c 09 N71-19610
- EDWARDS, G. G.**
Flight craft Patent
[NASA-CASE-XAC-02058] c 02 N71-16087
- EDWARDS, J. W.**
Apparatus for damping operator induced oscillations of a controlled system
[NASA-CASE-FRC-11041-1] c 33 N82-18493
- EDWARDS, T. R.**
Filtering device
[NASA-CASE-MFS-22729-1] c 32 N76-21366
Method of and apparatus for generating an interstitial point in a data stream having an even number of data points
[NASA-CASE-MFS-25319-1] c 84 N83-12932
- EGGER, R. L.**
Strain gage Patent Application
[NASA-CASE-FRC-10053] c 14 N70-35587
- EGGERS, A. J. JR.**
Flight craft Patent
[NASA-CASE-XAC-02058] c 02 N71-16087
- EGLI, P. H.**
Method of forming transparent films of ZnO
[NASA-CASE-FRC-10019] c 15 N73-12487
- EHRENFELD, D. A.**
Excitation and detection circuitry for a flux responsive magnetic head
[NASA-CASE-XNP-04183] c 09 N69-24329
- Incremental tape recorder and data rate converter Patent
[NASA-CASE-XNP-02778] c 08 N71-22710
- EICHENBRENNER, F. F.**
Hydraulic gnp Patent
[NASA-CASE-XLA-05100] c 15 N71-17696
Light shield and infrared reflector for fatigue testing Patent
[NASA-CASE-XLA-01782] c 14 N71-26136
Anti-buckling fatigue test assembly
[NASA-CASE-LAR-10426-1] c 09 N74-19528
- EICHENTHAL, J.**
Wide angle long eye relief eyepiece Patent
[NASA-CASE-XMS-06056-1] c 23 N71-24857
- EISENBERGER, I.**
Data compressor Patent
[NASA-CASE-XNP-04067] c 08 N71-22707
- EL-AASSER, M. S.**
Process for preparation of large-particle-size monodisperse latexes
[NASA-CASE-MFS-25000-1] c 25 N81-19242
- ELACHI, C.**
Acoustically controlled distributed feedback laser
[NASA-CASE-NPO-13175-1] c 36 N75-31427
Diffused waveguiding capillary tube with distributed feedback for a gas laser
[NASA-CASE-NPO-13544-1] c 36 N76-18428
Fiber distributed feedback laser
[NASA-CASE-NPO-13531-1] c 36 N76-24553
Distributed feedback acoustic surface wave oscillator
[NASA-CASE-NPO-13673-1] c 71 N77-26919
- ELBER, W.**
Partial interlaminar separation system for composites
[NASA-CASE-LAR-12065-1] c 24 N81-14000
Method of making a partial interlaminar separation composite system
[NASA-CASE-LAR-12065-2] c 24 N81-33235
Means for controlling aerodynamically induced twist
[NASA-CASE-LAR-12175-1] c 05 N82-28279
- ELDER, N. D.**
Internal flare angle gauge Patent
[NASA-CASE-XMF-04415] c 14 N71-24693
- ELIA, A. D.**
Monopulse system with an electronic scanner
[NASA-CASE-XGS-05582] c 07 N69-27460
- ELIASON, J. T.**
Photovoltaic cell array
[NASA-CASE-MFS-22458-1] c 44 N77-10635
- ELKINS, W.**
Flexible joint for pressurizable garment
[NASA-CASE-MSC-11072] c 54 N74-32548
Liquid cooled brassiere and method of diagnosing malignant tumors therewith
[NASA-CASE-ARC-11007-1] c 52 N77-14736
- ELLEMAN, D. D.**
Continuous magnetic flux pump
[NASA-CASE-XNP-01187] c 15 N73-28516
Superconductive magnetic-field-trapping device
[NASA-CASE-XNP-01185] c 26 N73-28710
Magnetic-flux pump
[NASA-CASE-XNP-01188] c 15 N73-32361
Material suspension within an acoustically excited resonant chamber
[NASA-CASE-NPO-13263-1] c 12 N75-24774
Heat operated cryogenic electrical generator
[NASA-CASE-NPO-13303-1] c 20 N75-24837
Magnetometer using superconducting rotating body
[NASA-CASE-NPO-13388-1] c 35 N76-18390
Acoustic energy shaping
[NASA-CASE-NPO-13802-1] c 71 N78-10837
Method and apparatus for producing concentric hollow spheres
[NASA-CASE-NPO-14596-1] c 31 N81-33319
Acoustic rotation control
[NASA-CASE-NPO-15689-1] c 35 N82-24475
Closed loop electrostatic system
[NASA-CASE-NPO-15553-1] c 33 N83-12335
Method and apparatus for producing gas-filled hollow spheres
[NASA-CASE-NPO-14596-3] c 31 N83-31896
Acoustic system for material transport
[NASA-CASE-NPO-15453-1] c 71 N83-32515
Acoustic bubble removal method
[NASA-CASE-NPO-15334-1] c 71 N83-35781
- ELLERN, W. B.**
Method of evaluating moisture barrier properties of encapsulating materials Patent
[NASA-CASE-NPO-10051] c 18 N71-24934
- ELLIOTT, D. G.**
Magnetohydrodynamic induction machine
[NASA-CASE-XNP-07481] c 25 N69-21929
Two-fluid magnetohydrodynamic system and method for thermal-electric power conversion Patent
[NASA-CASE-XNP-00644] c 03 N70-36803
- Two phase flow system with discrete impinging two-phase jets
[NASA-CASE-NPO-11556] c 12 N72-25292
Method and turbine for extracting kinetic energy from a stream of two-phase fluid
[NASA-CASE-NPO-14130-1] c 34 N79-20335
Improved method for driving two-phase turbines with enhanced efficiency
[NASA-CASE-NPO-15037-1] c 37 N80-26660
- ELLIOTT, R. L.**
Preparation of ordered poly /arylenesiloxane/ polymers
[NASA-CASE-XMF-10753] c 06 N71-11237
Fluorinated esters of polycarboxylic acids
[NASA-CASE-MFS-21040-1] c 06 N73-30098
- ELLIS, D. R.**
Integrated lift/drag controller for aircraft
[NASA-CASE-ARC-10456-1] c 05 N75-12930
- ELLIS, H. JR.**
Coaxial phased array antenna
[NASA-CASE-MSC-16800-1] c 32 N81-14187
Cavity-backed, micro-strip dipole antenna array
[NASA-CASE-MSC-18606-1] c 32 N82-11336
Spiral slotted phased antenna array
[NASA-CASE-MSC-18532-1] c 32 N82-27558
- ELLIS, S. G.**
Simple method of making photovoltaic junctions Patent
[NASA-CASE-XNP-01960] c 09 N71-23027
Method of electrolytically binding a layer of semiconductors together Patent
[NASA-CASE-XNP-01959] c 26 N71-23043
Method of changing the conductivity of vapor deposited gallium arsenide by the introduction of water into the vapor deposition atmosphere Patent
[NASA-CASE-XNP-01961] c 26 N71-29156
- ELSNER, N. B.**
Stabilized lanthanum sulphur compounds
[NASA-CASE-NPO-16135-1] c 25 N83-24572
- EMDE, W. D.**
Etching of aluminum for bonding Patent
[NASA-CASE-XMF-02303] c 17 N71-23828
- EMERY, J. C.**
Laser grating interferometer Patent
[NASA-CASE-XLA-04295] c 16 N71-24170
- ENGEL, A.**
Digital video display system using cathode ray tube
[NASA-CASE-NPO-11342] c 09 N72-25248
Symmetrical odd-modulus frequency divider
[NASA-CASE-NPO-13426-1] c 33 N75-31330
Digital data reformatter/deserializer
[NASA-CASE-NPO-13676-1] c 60 N79-20751
- ENGLAND, C.**
Hydrogen-bromine secondary battery
[NASA-CASE-NPO-13237-1] c 44 N76-18641
Zinc-halide battery with molten electrolyte
[NASA-CASE-NPO-11961-1] c 44 N76-18643
- ENGLAR, K. G.**
Artificial gravity spin deployment system Patent
[NASA-CASE-XNP-02595] c 31 N71-21881
- ENIE, R. B.**
Method of repairing discontinuity in fiberglass structures
[NASA-CASE-LAR-10416-1] c 24 N74-30001
- ENRIQUEZ, E. A.**
System for synchronizing synthesizers of communication systems
[NASA-CASE-GSC-12148-1] c 32 N79-20296
- ENSTROM, R. E.**
Water cooled contactor for anode in carbon arc mechanism
[NASA-CASE-XMS-03700] c 15 N69-24266
- EPPE, C. H. JR.**
Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-1] c 54 N76-22914
Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-2] c 52 N81-25661
- EPSTEIN, J.**
Segmenting lead telluride-silicon germanium thermoelements Patent
[NASA-CASE-XGS-05718] c 26 N71-16037
Tungsten contacts on silicon substrates
[NASA-CASE-GSC-10695-1] c 09 N72-25259
- EPSTEIN, P.**
Drying apparatus for photographic sheet material
[NASA-CASE-GSC-11074-1] c 14 N73-28489
- ERB, R. B.**
Heat shield Patent
[NASA-CASE-XMS-00486] c 33 N70-33344
- ERICKSON, W. D.**
Hypersonic test facility Patent
[NASA-CASE-XLA-00378] c 11 N71-15925
Hypersonic test facility Patent
[NASA-CASE-XLA-05378] c 11 N71-21475
Ablation article and method
[NASA-CASE-LAR-10439-1] c 33 N73-27796

ERNEST, J. B.
Crude oil desulfurization
[NASA-CASE-NPO-14542-1] c 25 N82-23282

ERPENBACH, H.
Means and methods of depositing thin films on substrates Patent
[NASA-CASE-XNP-00595] c 15 N70-34967
Process for reducing secondary electron emission Patent
[NASA-CASE-XNP-09469] c 24 N71-25555
Method of producing a storage bulb for an atomic hydrogen maser
[NASA-CASE-NPO-13050-1] c 36 N75-15029

ERRETT, D. D.
Canopus detector including automotive gain control of photomultiplier tube Patent
[NASA-CASE-XNP-03914] c 21 N71-10771

ESCHER, W. J. D.
Attitude and propellant flow control system and method Patent
[NASA-CASE-XMF-00185] c 21 N70-34539
Composite powerplant and shroud therefor Patent
[NASA-CASE-XLA-01043] c 28 N71-10780
Injector assembly for liquid fueled rocket engines Patent
[NASA-CASE-XMF-00968] c 28 N71-15660

ESGAR, J. B.
Thin-walled pressure vessel Patent
[NASA-CASE-XLE-04677] c 15 N71-10577
Ophthalmic liquifaction pump
[NASA-CASE-LEW-12051-1] c 52 N75-33640

ESKEW, M. H., JR.
Random function tracer Patent
[NASA-CASE-XLA-01401] c 15 N71-21179

ESPY, P. N.
Coaxial high density, hypervelocity plasma generator and accelerator with ionizable metal disc
[NASA-CASE-MFS-20589] c 25 N72-32688

ESTES, E. G.
Rocket nozzle test method Patent
[NASA-CASE-NPO-10311] c 31 N71-15643

ESTES, M. F.
Apparatus for making diamonds
[NASA-CASE-MFS-20698] c 15 N72-20446
Process for making diamonds
[NASA-CASE-MFS-20698-2] c 15 N73-19457

ESTEY, R. S.
Method and apparatus for precision control of radiometer
[NASA-CASE-NPO-15398-1] c 35 N81-33449

ESTRELLA, C. A.
Catalysts for polyimide foams from aromatic isocyanates and aromatic dianhydrides
[NASA-CASE-ARC-11107-1] c 25 N80-16116
Adjustable high emittance gap filler
[NASA-CASE-ARC-11310-1] c 27 N82-24339

ETHRIDGE, E. C.
Sonic levitation apparatus
[NASA-CASE-MFS-25828-1] c 71 N83-26646
Containerless high purity pulling process and apparatus for glass fibers
[NASA-CASE-MFS-25905-1] c 74 N83-35825

ETSION, I.
Cantilever mounted resilient pad gas bearing
[NASA-CASE-LEW-12569-1] c 37 N79-10418
Self-stabilizing radial face seal
[NASA-CASE-LEW-12991-1] c 37 N81-24442
Modified face seal for positive film stiffness
[NASA-CASE-LEW-12989-1] c 37 N82-12442

ETZEL, J. G.
Laser measuring system for incremental assemblies
[NASA-CASE-GSC-12321-1] c 36 N82-16396

EUBANKS, A. G.
Device for measuring electron-beam intensities and for subjecting materials to electron irradiation in an electron microscope
[NASA-CASE-XGS-01725] c 14 N69-39982
Foamed in place ceramic refractory insulating material Patent
[NASA-CASE-XGS-02435] c 18 N71-22998

EULITZ, W. R.
Slosh suppressing device and method Patent
[NASA-CASE-XMF-00658] c 12 N70-38997

EVANS, D. D.
Ignition means for monopropellant Patent
[NASA-CASE-XNP-00876] c 28 N70-41311

EVANS, D. G.
Multistage multiple-reentry turbine Patent
[NASA-CASE-XLE-00170] c 15 N70-36412
Multistage multiple-reentry turbine Patent
[NASA-CASE-XLE-00085] c 28 N70-39895

EVANS, E. H.
Strain sensor for high temperatures Patent
[NASA-CASE-XNP-09205] c 14 N71-17657

EVANS, F. D.
Autogeneration test cell Patent
[NASA-CASE-KSC-10198] c 11 N71-28629

EVANS, G. A.
Fiber distributed feedback laser
[NASA-CASE-NPO-13531-1] c 36 N76-24553

EVANS, H. E.
Energy storage apparatus
[NASA-CASE-GSC-12030-1] c 44 N78-24608

EVANS, J.
Millimeter wave antenna system Patent Application
[NASA-CASE-GSC-10949-1] c 07 N71-28965
Solenoid valve including guide for armature and valve member
[NASA-CASE-GSC-10607-1] c 15 N72-20442
Nutation damper
[NASA-CASE-GSC-11205-1] c 15 N73-25513
Magnetically actuated compressor
[NASA-CASE-GSC-12799-1] c 37 N83-20153

EVANS, J. C., JR.
Rapidly pulsed, high intensity, incoherent light source
[NASA-CASE-XLE-2529-3] c 33 N74-20859
High power laser apparatus and system
[NASA-CASE-XLE-2529-2] c 36 N75-27364
Solar cell collector
[NASA-CASE-LEW-12552-1] c 44 N78-25527
Method for producing solar energy panels by automation
[NASA-CASE-LEW-12541-1] c 44 N78-25529
Solar cells having integral collector grids
[NASA-CASE-LEW-12819-1] c 44 N79-11467
Application of semiconductor diffusants to solar cells by screen printing
[NASA-CASE-LEW-12775-1] c 44 N79-11468
Solar cell collector and method for producing same
[NASA-CASE-LEW-12552-2] c 44 N79-11472
Method for fabricating solar cells having integrated collector grids
[NASA-CASE-LEW-12819-2] c 44 N79-18444
Solar cell system having alternating current output
[NASA-CASE-LEW-12806-2] c 44 N81-12542
Method of making a high voltage V-groove solar cell
[NASA-CASE-LEW-13401-1] c 44 N82-29709
High voltage planar multijunction solar cell
[NASA-CASE-LEW-13400-1] c 44 N82-31764
Heat transparent high intensity high efficiency solar cell
[NASA-CASE-LEW-12892-1] c 44 N83-14692
High voltage v-groove solar cell
[NASA-CASE-LEW-13401-2] c 44 N83-32177

EVANS, J. M., JR.
System and method for tracking a signal source
[NASA-CASE-HQN-10880-1] c 17 N78-17140

EVANS, K. C.
Synchronized voltage contrast display analysis system
[NASA-CASE-NPO-14567-1] c 33 N83-18996

EVANS, L. G.
Method and apparatus for mapping the distribution of chemical elements in an extended medium
[NASA-CASE-GSC-12808-1] c 45 N83-20446

EVANS, P. K.
Device for tensioning test specimens within an hermetically sealed chamber
[NASA-CASE-MFS-23281-1] c 35 N77-22450

EVENSEN, D. A.
Buoyant anti-slosh system Patent
[NASA-CASE-XLA-04605] c 32 N71-16106

EVVARD, J. C.
Ophthalmic method and apparatus
[NASA-CASE-LEW-11669-1] c 05 N73-27062

EWEN, H. I.
Method and means for providing an absolute power measurement capability Patent
[NASA-CASE-ERC-11020] c 14 N71-26774
Clear air turbulence detector
[NASA-CASE-ERC-10081] c 14 N72-28437

EXTON, R. J.
Stack plume visualization system
[NASA-CASE-LAR-11675-1] c 45 N76-17656
TV fatigue crack monitoring system
[NASA-CASE-LAR-11490-1] c 39 N78-16387

EZEKIEL, F. D.
Fluid power transmitting gas bearing Patent
[NASA-CASE-ERC-10097] c 15 N71-28465

F

FAETH, P. A.
Automatic recording McLeod gauge Patent
[NASA-CASE-XLE-03280] c 14 N71-23093

FAGET, M. A.
Survival couch Patent
[NASA-CASE-XLA-00118] c 05 N70-33285
Aerial capsule emergency separation device Patent
[NASA-CASE-XLA-00115] c 03 N70-33343

Space capsule Patent
[NASA-CASE-XLA-00149] c 31 N70-37938
Space capsule Patent
[NASA-CASE-XLA-01332] c 31 N71-15664
Space shuttle vehicle and system
[NASA-CASE-MSC-12433] c 31 N73-14854
Space vehicle system
[NASA-CASE-MSC-12561-1] c 18 N76-17185

FAGOT, R. J.
Gas low pressure low flow rate metering system Patent
[NASA-CASE-FRC-10022] c 12 N71-26546
Respiration monitor
[NASA-CASE-FRC-10012] c 14 N72-17329

FAKAN, J. C.
Superconducting alternator
[NASA-CASE-XLE-02824] c 03 N69-39890
Superconducting alternator Patent
[NASA-CASE-XLE-02823] c 09 N71-23443

FALBEL, G.
Multi-lobe scan horizon sensor Patent
[NASA-CASE-XGS-00809] c 21 N70-35427

FALES, C. L., JR.
Magnetometer with a miniature transducer and automatic scanning
[NASA-CASE-LAR-11617-2] c 35 N78-32397

FALK, W. C.
Miniature vibration isolator Patent
[NASA-CASE-XLA-01019] c 15 N70-40156
Canister closing device Patent
[NASA-CASE-XLA-01446] c 15 N71-21528

FANG, P.
Recovery of radiation damaged solar cells through thermal annealing
[NASA-CASE-XGS-04047-2] c 03 N72-11062

FANNIN, B. B.
System for the measurement of ultra-low stray light levels
[NASA-CASE-MFS-23513-1] c 74 N79-11865

FARMER, M. G.
Model mount system for testing flutter
[NASA-CASE-LAR-12950-1] c 09 N83-25727

FARNSWORTH, D. L.
Phototransistor imaging system
[NASA-CASE-MFS-20809] c 23 N73-13660
Solid-state current transformer
[NASA-CASE-MFS-22560-1] c 33 N77-14335

FARNSWORTH, F. D.
Space simulation and radiative property testing system and method Patent
[NASA-CASE-MFS-20096] c 14 N71-30026

FARRELL, R.
Lead attachment to high temperature devices
[NASA-CASE-ERC-10224] c 09 N72-25261
Wide temperature range electronic device with lead attachment
[NASA-CASE-ERC-10224-2] c 09 N73-27150

FARRIS, C. D.
Storage battery comprising negative plates of a wedge shaped configuration
[NASA-CASE-NPO-11806-1] c 44 N74-19693

FARTHING, W. H.
Device for determining relative angular position between a spacecraft and a radiation emitting celestial body
[NASA-CASE-GSC-11444-1] c 14 N73-28490

FASSBENDER, A. G.
Electrical conductivity cell and method for fabricating the same
[NASA-CASE-ARC-10810-1] c 33 N76-19339

FAULKNER, R. D.
Bonding graphite with fused silver chloride
[NASA-CASE-XGS-00963] c 15 N69-39735

FAY, R. J.
Metal shearing energy absorber
[NASA-CASE-HQN-10638-1] c 15 N73-30460

FEAKES, F.
Gauge calibration by diffusion
[NASA-CASE-XGS-07752] c 14 N73-30390

FEALEY, R. D.
Bacteria detection instrument and method
[NASA-CASE-GSC-11533-1] c 14 N73-13435

FEARNEHOUGH, H. T.
Parallel-plate viscometer with double diaphragm suspension
[NASA-CASE-NPO-11387] c 14 N73-14429

FEATHERSTON, A. B.
Method of fluxless brazing and diffusion bonding of aluminum containing components
[NASA-CASE-MSC-14435-1] c 37 N76-18455

FEDOR, J. V.
Stretch de-spin mechanism Patent
[NASA-CASE-XGS-00619] c 30 N70-40016

FEDORS, R. F.
Parallel-plate viscometer with double diaphragm suspension
[NASA-CASE-NPO-11387] c 14 N73-14429

- Photomechanical transducer
[NASA-CASE-NPO-14363-1] c 39 N81-25400
- FEHRENKAMP, L. G.**
Surface finishing
[NASA-CASE-MSC-12631-1] c 24 N77-28225
Surface finishing
[NASA-CASE-MSC-12631-3] c 27 N81-14077
- FEILER, C. E.**
Control of transverse instability in rocket combustors
Patent
[NASA-CASE-XLE-04603] c 33 N71-21507
- FEINBERG, P. M.**
Digital telemetry system Patent
[NASA-CASE-XGS-01812] c 07 N71-23001
Programmable telemetry system Patent
[NASA-CASE-GSC-10131-1] c 07 N71-24624
- FEINSTEIN, L.**
Microwave flow detector Patent
[NASA-CASE-ARC-10009-1] c 15 N71-17822
Method and apparatus for swept-frequency impedance measurements of welds
[NASA-CASE-ARC-10176-1] c 15 N72-21464
- FEINSTEIN, S. P.**
Viscosity measuring instrument
[NASA-CASE-NPO-14501-1] c 35 N80-18357
- FELDSTEIN, C.**
Subminiature insertable force transducer
[NASA-CASE-NPO-13423-1] c 33 N75-31329
Miniature muscle displacement transducer
[NASA-CASE-NPO-13519-1] c 33 N76-19338
Myocardium wall thickness transducer and measuring method
[NASA-CASE-NPO-13644-1] c 52 N76-29895
Catheter tip force transducer for cardiovascular research
[NASA-CASE-NPO-13643-1] c 52 N76-29896
Apparatus and method of inserting a microelectrode in body tissue or the like using vibration means
[NASA-CASE-NPO-13910-1] c 52 N79-27836
Simultaneous muscle force and displacement transducer
[NASA-CASE-NPO-14212-1] c 52 N80-27072
Multifunctional transducer
[NASA-CASE-NPO-14329-1] c 52 N81-20703
System and method for moving a probe to follow movements of tissue
[NASA-CASE-NPO-15197-1] c 52 N83-25346
- FELL, D. M.**
Flexible pile thermal barrier insulator
[NASA-CASE-MSC-19568-1] c 34 N78-25350
- FELTNER, W. R.**
Multilevel metallization method for fabricating a metal oxide semiconductor device
[NASA-CASE-MFS-23541-1] c 76 N79-14906
Method of construction of a multi-cell solar array
[NASA-CASE-MFS-23540-1] c 44 N79-26475
- FENG, S. Y.**
Regulated dc-to-dc converter for voltage step-up or step-down with input-output isolation
[NASA-CASE-HQN-10792-1] c 33 N74-11049
- FENTRESS, C. E.**
Expanding center probe and drogue Patent
[NASA-CASE-XMS-03613] c 31 N71-16346
- FENWICK, J. R.**
Accumulator
[NASA-CASE-MFS-19287-1] c 34 N77-30399
- FERGUSON, R. E.**
Two-step rocket engine bipropellant valve Patent
[NASA-CASE-XMS-04890-1] c 15 N70-22192
- FERRARA, L. J.**
Collapsible Apollo couch
[NASA-CASE-MSC-13140] c 05 N72-11085
- FESSLER, T. E.**
Thin window, drifted silicon, charged particle detector
[NASA-CASE-XLE-10529] c 14 N69-23191
Method of forming thin window drifted silicon charged particle detector Patent
[NASA-CASE-XLE-00808] c 24 N71-10560
- FEWELL, L. L.**
Process for the preparation of polycarboranylphosphazenes
[NASA-CASE-ARC-11176-2] c 27 N81-27271
Carboranylcyclotriphosphazenes and their polymers
[NASA-CASE-ARC-11176-1] c 27 N82-18389
- FIELDS, S. A.**
Device and method for determining X ray reflection efficiency of optical surfaces
[NASA-CASE-MFS-20243] c 23 N73-13662
- FLETCHER, J. C.**
Electrohydrodynamic control valve Patent
[NASA-CASE-NPO-10416] c 12 N71-27332
- FIGGINS, D. A.**
Adaptive system and method for signal generation Patent
[NASA-CASE-GSC-11367] c 10 N71-26374
- FILIP, G. L.**
Storage container for electronic devices Patent
[NASA-CASE-MFS-20075] c 09 N71-26133
Method of coating through-holes Patent
[NASA-CASE-XMF-05999] c 15 N71-29032
- FINDL, E.**
Electrolytically regenerative hydrogen-oxygen fuel cell Patent
[NASA-CASE-XLE-04526] c 03 N71-11052
- FINK, J. W.**
Bus voltage compensation circuit for controlling direct current motor
[NASA-CASE-XMS-04215-1] c 09 N69-39987
- FINK, R. C.**
Piezoelectric deicing device
[NASA-CASE-LEW-13773-1] c 05 N83-29197
- FINKE, R. C.**
Electrode and insulator with shielded dielectric junction
[NASA-CASE-XLE-03778] c 09 N69-21542
Pressure monitoring with a plurality of ionization gauges controlled at a central location Patent
[NASA-CASE-XLE-00787] c 14 N71-21090
- FINLEY, T. D.**
Split range transducer
[NASA-CASE-XLA-11189] c 10 N72-20222
- FINLEY, W. R.**
Analog-to-digital converter
[NASA-CASE-MSC-13110-1] c 08 N72-22163
- FINNERTY, A. A.**
Sphere forming method and apparatus
[NASA-CASE-NPO-15070-1] c 31 N83-35176
- FINNIE, C. J.**
Insertion loss measuring apparatus having transformer means connected across a pair of bolometers Patent
[NASA-CASE-XNP-01193] c 10 N71-16057
- FISCHER, D. R.**
Cervix-to-rectum measuring device in a radiation applicator for use in the treatment of cervical cancer
[NASA-CASE-GSC-12081-2] c 52 N82-22875
- FISCHER, J. A.**
Adjustable tension wire guide Patent
[NASA-CASE-XMS-02383] c 15 N71-15918
- FISCHER, J. R.**
Interleaving device
[NASA-CASE-GSC-12111-2] c 33 N81-29342
- FISH, D. C.**
Spin forming tubular elbows Patent
[NASA-CASE-XMF-01083] c 15 N71-22723
- FISH, R. H.**
Fiber modified polyurethane foam for ballistic protection
[NASA-CASE-ARC-10714-1] c 27 N76-15310
- FISH, R. M.**
Auditory display for the blind
[NASA-CASE-HQN-10832-1] c 71 N74-21014
- FISHER, A.**
Process for making RF shielded cable connector assemblies and the products formed thereby
[NASA-CASE-GSC-11215-1] c 09 N73-28083
- FITCH, E. J.**
Modulator for tone and binary signals
[NASA-CASE-GSC-11743-1] c 32 N75-24981
- FITTING, R. C.**
Phase modulator Patent
[NASA-CASE-MSC-13201-1] c 07 N71-28429
- FITTON, J. A., JR.**
Multiple orifice throttle valve Patent
[NASA-CASE-XNP-09698] c 15 N71-18580
- FITZER, G. E.**
Machine for use in monitoring fatigue life for a plurality of elastomeric specimens
[NASA-CASE-NPO-13731-1] c 39 N78-10493
- FITZGERALD, D. J.**
Ion thruster with a combination keeper electrode and electron baffle
[NASA-CASE-NPO-11880] c 28 N73-24783
Plasma igniter for internal combustion engine
[NASA-CASE-NPO-13828-1] c 37 N79-11405
MHD electrical generator
[NASA-CASE-NPO-15399-1] c 75 N82-24079
- FITZGERALD, J. J.**
Flow test device
[NASA-CASE-XMS-04917] c 14 N69-24257
- FITZGERALD, J. W.**
Visual examination apparatus
[NASA-CASE-ARC-10329-1] c 05 N73-26072
Visual examination apparatus
[US-PATENT-RE-28,921] c 52 N76-30793
- FITZGERALD, T. M.**
A solid state acoustic variable time delay line Patent
[NASA-CASE-ERC-10032] c 10 N71-25900
- FITZMAURICE, M. W.**
Retrodirective modulator Patent
[NASA-CASE-GSC-10062] c 14 N71-15605
- Apparatus for simulating optical transmission links
[NASA-CASE-GSC-11877-1] c 74 N76-18913
Polarization compensator for optical communications
[NASA-CASE-GSC-11782-1] c 74 N76-30053
- FLAGGE, B.**
Vibrating structure displacement measuring instrument Patent
[NASA-CASE-XLA-03135] c 32 N71-16428
Arbitrarily shaped model survey system Patent
[NASA-CASE-LAR-10098] c 32 N71-26681
Electro-mechanical sine/cosine generator
[NASA-CASE-LAR-10503-1] c 09 N72-21248
Measuring probe position recorder
[NASA-CASE-LAR-10806-1] c 35 N74-32877
Electro-mechanical sine/cosine generator
[NASA-CASE-LAR-11389-1] c 33 N77-26387
Displacement probes with self-contained exciting medium
[NASA-CASE-LAR-11690-1] c 35 N80-14371
- FLAHERTY, R.**
Thermally cascaded thermoelectric generator
[NASA-CASE-NPO-10753] c 03 N72-26031
- FLAMM, D. L.**
Electric discharge for treatment of trace contaminants
[NASA-CASE-ARC-10975-1] c 33 N79-15245
- FLANNERY, E. J.**
Method and apparatus for controllably heating fluid Patent
[NASA-CASE-XMF-04237] c 33 N71-16276
- FLATAU, C. R.**
Variable ratio mixed-mode bilateral master-slave control system for shuttle remote manipulator system
[NASA-CASE-MSC-14245-1] c 18 N75-27041
- FLATTAU, T.**
Wideband heterodyne receiver for laser communication system
[NASA-CASE-GSC-12053-1] c 32 N77-28346
- FLEETWOOD, C. M.**
Method of forming a sharp edge on an optical device
[NASA-CASE-GSC-12348-1] c 74 N80-24149
- FLEETWOOD, C. M., JR.**
Method of treating the surface of a glass member
[NASA-CASE-GSC-12110-1] c 27 N77-32308
- FLEISCHMAN, G. L.**
Flat-plate heat pipe
[NASA-CASE-GSC-11998-1] c 34 N77-32413
- FLETCHER, E. A.**
Apparatus for igniting solid propellants Patent
[NASA-CASE-XLE-00207] c 28 N70-33375
Method of igniting solid propellants Patent
[NASA-CASE-XLE-01988] c 27 N71-15634
- FLETCHER, I. L.**
Satellite interface synchronization system
[NASA-CASE-GSC-10390-1] c 07 N72-11149
- FLETCHER, J. C.**
Heat flow calorimeter
[NASA-CASE-GSC-11434-1] c 34 N74-27859
- FLETNER, W. R.**
Field effect transistor and method of construction thereof
[NASA-CASE-MFS-23312-1] c 33 N78-27326
- FLIPPIN, A.**
Sun angle calculator
[NASA-CASE-MSC-12617-1] c 35 N76-29552
- FLORES, A. L.**
Field ionization electrodes Patent
[NASA-CASE-ERC-10013] c 09 N71-26678
- FLOYD, E. L.**
High impact pressure regulator Patent
[NASA-CASE-NPO-10175] c 14 N71-18625
- FOGAL, G. L.**
Automatic blowdown sampling
[NASA-CASE-MSC-14640-1] c 54 N78-14804
Fluid mass sensor for a zero gravity environment
[NASA-CASE-MSC-14653-1] c 35 N77-19385
- FOHLEN, G. M.**
Intumescent paints Patent
[NASA-CASE-ARC-10099-1] c 18 N71-15469
Transparent fire resistant polymers structures
[NASA-CASE-ARC-10813-1] c 27 N76-16230
Phosphorus-containing bisimide resins
[NASA-CASE-ARC-11321-1] c 27 N81-27272
Metal phthalocyanine polymers
[NASA-CASE-ARC-11405-1] c 27 N83-12239
Phthalocyanine polymers
[NASA-CASE-ARC-11413-1] c 27 N83-14275
Elastomer-modified phosphorus-containing imide resins
[NASA-CASE-ARC-11400-1] c 27 N83-14276
Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-1] c 27 N83-31854
- FONTANA, A.**
Solar sensor having coarse and fine sensing with matched preirradiated cells and method of selecting cells Patent
[NASA-CASE-XLA-01584] c 14 N71-23269

- FONTES, M. J.**
Method of tracing contour patterns for use in making gradual contour resin matrix composites
[NASA-CASE-ARC-11246-1] c 31 N83-34073
- FOOTE, R. H.**
Adaptive system and method for signal generation Patent
[NASA-CASE-GSC-11367] c 10 N71-26374
- FORBES, S. G.**
Apparatus for field strength measurement of a space vehicle Patent
[NASA-CASE-XLE-00820] c 14 N71-16014
- FORD, A. G.**
Rock drill for recovering samples
[NASA-CASE-XNP-07478] c 14 N69-21923
Electrically-operated rotary shutter Patent
[NASA-CASE-XNP-00637] c 14 N70-40273
Motion restraining device
[NASA-CASE-NPO-13619-1] c 37 N78-16369
Speed control device for a heavy duty shaft
[NASA-CASE-NPO-14170-1] c 37 N81-15364
- FORD, F. C.**
Hypervelocity gun
[NASA-CASE-XLE-03186-1] c 09 N79-21084
- FORD, F. E.**
Coulometer and third electrode battery charging circuit Patent
[NASA-CASE-GSC-10487-1] c 03 N71-24719
- FORD, L. B.**
Thermal reactor
[NASA-CASE-NPO-14369-1] c 44 N83-10501
- FORD, R. R.**
Antenna system using parasitic elements and two driven elements at 90 deg angle fed 180 deg out of phase Patent
[NASA-CASE-XLA-00414] c 07 N70-38200
- FOREHAND, L.**
Solar cell mounting Patent
[NASA-CASE-XNP-00826] c 03 N71-20895
- FORESTIERI, A. F.**
Method of making silicon solar cell array
[NASA-CASE-LEW-11069-1] c 44 N74-14784
Solar cell shingle
[NASA-CASE-LEW-12587-1] c 44 N77-31601
Method of making encapsulated solar cell modules
[NASA-CASE-LEW-12185-1] c 44 N78-25528
- FORLIFER, W. R.**
Landing gear Patent
[NASA-CASE-XMF-01174] c 02 N70-41589
- FORMAN, R.**
Ion beam textured graphite electrode plates
[NASA-CASE-LEW-12919-2] c 24 N82-26386
Ion sputter textured graphite
[NASA-CASE-LEW-12919-1] c 24 N83-10117
- FORSYTHE, A. K.**
Umbilical separator for rockets Patent
[NASA-CASE-XNP-00425] c 11 N70-38202
- FORTIER, E. P.**
Scriber for silicon wafers
[NASA-CASE-NPO-15539-1] c 37 N82-11469
- FORTINI, A.**
Method of electroforming a rocket chamber
[NASA-CASE-LEW-11118-1] c 20 N74-32919
Rocket chamber and method of making
[NASA-CASE-LEW-11118-2] c 20 N76-14191
Heat exchanger and method of making
[NASA-CASE-LEW-12441-1] c 34 N79-13289
Heat exchanger and method of making
[NASA-CASE-LEW-12441-2] c 34 N80-24573
Heat exchanger and method of making
[NASA-CASE-LEW-12441-3] c 44 N81-24519
- FOSTER, J. V.**
Mechanically limited, electrically operated hydraulic valve system for aircraft controls Patent
[NASA-CASE-XAC-00048] c 02 N71-29128
Magnetic position detection method and apparatus
[NASA-CASE-ARC-10179-1] c 21 N72-22619
- FOSTER, L. E.**
Magnetomotive metal working device Patent
[NASA-CASE-XMF-03793] c 15 N71-24833
- FOSTER, T.**
Variable cycle gas turbine engines
[NASA-CASE-LEW-12916-1] c 37 N78-17384
Variable mixer propulsion cycle
[NASA-CASE-LEW-12917-1] c 07 N78-18067
- FOUCH, G. L.**
Production of butanol by fermentation in the presence of co-culture of clostridium
[NASA-CASE-NPO-16203-1] c 44 N83-29806
- FOWLER, J.**
Bit error rate measurement above and below bit rate tracking threshold
[NASA-CASE-MSC-12743-1] c 32 N79-10263
- FOWLER, J. T.**
Parasitic suppressing circuit
[NASA-CASE-ERC-10403-1] c 10 N73-26228

- FOX, R. L.**
One-step dual purpose joining technique
[NASA-CASE-LAR-12595-1] c 33 N82-26571
Induction heating gun
[NASA-CASE-LAR-13181-1] c 33 N83-29591
Hot melt adhesive attachment pad
[NASA-CASE-LAR-12894-1] c 27 N83-34044
- FOX, W. E.**
Event recorder Patent
[NASA-CASE-XLA-01832] c 14 N71-21006
- FRALEY, T. O.**
Method and apparatus for rapid thrust increases in a turbofan engine
[NASA-CASE-LEW-12971-1] c 07 N80-18039
- FRANCISCO, A. C.**
Process for applying a protective coating for salt bath brazing Patent
[NASA-CASE-XLE-00046] c 15 N70-33311
- FRANCISCUS, L. C.**
Supersonic-combustion rocket
[NASA-CASE-LEW-11058-1] c 20 N74-13502
- FRANK, H. A.**
Electrolytically regenerative hydrogen-oxygen fuel cell Patent
[NASA-CASE-XLE-04526] c 03 N71-11052
- FRANKE, J. M.**
Laser Doppler velocity simulator
[NASA-CASE-LAR-12176-1] c 36 N80-16321
Direction sensitive laser velocimeter
[NASA-CASE-LAR-12177-1] c 36 N81-24422
- FRANKLIN, W. J.**
Segmented back-up bar Patent
[NASA-CASE-XMF-00640] c 15 N70-39924
Portable alignment tool Patent
[NASA-CASE-XMF-01452] c 15 N70-41371
- FRASER, A. S.**
Water system virus detection
[NASA-CASE-MSC-16098-1] c 51 N79-10693
- FRAZE, R. E.**
Cryogenic cooling system Patent
[NASA-CASE-NPO-10467] c 23 N71-26654
- FRAZER, R. E.**
Vacuum evaporator with electromagnetic ion steering Patent
[NASA-CASE-NPO-10331] c 09 N71-26701
Coupling apparatus for ultrasonic medical diagnostic system
[NASA-CASE-NPO-13935-1] c 52 N79-14751
Strong thin membrane structure
[NASA-CASE-NPO-14021-2] c 27 N80-16163
Apparatus for endoscopic examination
[NASA-CASE-NPO-14092-1] c 52 N80-16725
Constant magnification optical tracking system
[NASA-CASE-NPO-14813-1] c 74 N82-24072
- FRAZIER, M. J.**
Junction range finder
[NASA-CASE-KSC-10108] c 14 N73-25461
- FRECHE, J. C.**
High temperature nickel-base alloy Patent
[NASA-CASE-XLE-00151] c 17 N70-33283
External liquid-spray cooling of turbine blades Patent
[NASA-CASE-XLE-00037] c 28 N70-33372
Nickel-base alloy Patent
[NASA-CASE-XLE-00283] c 17 N70-36616
High temperature cobalt-base alloy Patent
[NASA-CASE-XLE-00726] c 17 N71-15644
High temperature cobalt-base alloy Patent
[NASA-CASE-XLE-02991] c 17 N71-16025
Nickel-base alloy containing Mo-W-Al-Cr-Ta-Zr-C-Nb-B Patent
[NASA-CASE-XLE-02082] c 17 N71-16026
High temperature ferromagnetic cobalt-base alloy Patent
[NASA-CASE-XLE-03629] c 17 N71-23248
Liquid spray cooling method Patent
[NASA-CASE-XLE-00027] c 33 N71-29152
Method of forming superalloys
[NASA-CASE-LEW-10805-1] c 15 N73-13465
Cobalt-base alloy
[NASA-CASE-LEW-10436-1] c 17 N73-32415
Method of heat treating a formed powder product material
[NASA-CASE-LEW-10805-3] c 26 N74-10521
Method of forming articles of manufacture from superalloy powders
[NASA-CASE-LEW-10805-2] c 37 N74-13179
Nickel base alloy
[NASA-CASE-LEW-12270-1] c 26 N77-32280
- FREDD, E. H.**
Television camera video level control system
[NASA-CASE-MSC-18578-1] c 74 N82-27121
- FREDRICKSON, C. A.**
Energy absorption device Patent
[NASA-CASE-XNP-01848] c 15 N71-28959

- FREEDMAN, L. A.**
Television camera video level control system
[NASA-CASE-MSC-18578-1] c 74 N82-27121
- FREEMAN, E. T.**
Film advance indicator
[NASA-CASE-LAR-12474-1] c 35 N82-26628
- FREEMAN, R. S.**
Air frame drag balance Patent
[NASA-CASE-XLA-00113] c 14 N70-33386
- FREGGINS, R. A.**
Thermal flux transfer system
[NASA-CASE-NPO-12070-1] c 28 N73-32606
- FRENCH, K. R.**
Ozonation of cooling tower waters
[NASA-CASE-NPO-14340-1] c 45 N80-14579
- FRENCH, J. C.**
Nickel base alloy
[NASA-CASE-LEW-10874-1] c 17 N72-22535
- FRIDRICH, C. W.**
Apparatus for welding sheet material
[NASA-CASE-XMS-01330] c 37 N75-27376
- FRIEDAN, H. J.**
Automated clinical system for chromosome analysis
[NASA-CASE-NPO-13913-1] c 52 N79-12694
- FRIEDEL, M. V.**
Positive isolation disconnect
[NASA-CASE-MSC-16043-1] c 37 N79-11402
- FRIEDERICH, J. E.**
Biomedical radiation detecting probe Patent
[NASA-CASE-XMS-01177] c 05 N71-19440
- FRIEDLANDER, S. K.**
Particle analyzing method and apparatus
[NASA-CASE-NPO-15292-1] c 35 N83-27184
- FRIEDMAN, D. S.**
Apparatus for disintegrating kidney stones
[NASA-CASE-GSC-12652-1] c 52 N82-26961
- FRIEDRICH, E. W.**
Reentry vehicle leading edge Patent
[NASA-CASE-XLA-00165] c 31 N70-33242
- FRICHTENICHT, J. F.**
Apparatus for handling micron size range particulate material
[NASA-CASE-NPO-10151] c 37 N78-17386
- FRIPP, A. L.**
Reusable thermal cycling clamp
[NASA-CASE-LAR-12868-1] c 27 N82-18390
Pyroelectric detector arrays
[NASA-CASE-LAR-12363-1] c 35 N82-31659
Pyroelectric detector arrays
[NASA-CASE-LAR-12363-2] c 33 N83-24763
- FRISBIE, H. F.**
Device for determining relative angular position between a spacecraft and a radiation emitting celestial body
[NASA-CASE-GSC-11444-1] c 14 N73-28490
- FRITZ, W. M.**
Method of fabricating a photovoltaic module of a substantially transparent construction
[NASA-CASE-NPO-14303-1] c 44 N80-18550
- FRITZEN, M. JR.**
Noncontaminating swabs
[NASA-CASE-MFS-18100] c 15 N72-11390
- FRIZZILL, A. W.**
Hot melt adhesive attachment pad
[NASA-CASE-LAR-12894-1] c 27 N83-34044
- FROEHLING, S. C.**
Casting propellant in rocket engine
[NASA-CASE-LAR-11995-1] c 28 N77-10213
- FROST, J. D., JR.**
EEG sleep analyzer and method of operation Patent
[NASA-CASE-MSC-13282-1] c 05 N71-24729
Compressible biomedical electrode
[NASA-CASE-MSC-13648] c 05 N72-27103
Snap-in compressible biomedical electrode
[NASA-CASE-MSC-14623-1] c 52 N77-28717
- FRYER, T. B.**
Telemeter adaptable for implanting in an animal Patent
[NASA-CASE-XAC-05706] c 05 N71-12342
RF controlled solid state switch
[NASA-CASE-ARC-10136-1] c 09 N72-22202
Low power electromagnetic flowmeter providing accurate zero set
[NASA-CASE-ARC-10362-1] c 14 N73-32326
Miniature ingestible telemeter devices to measure deep-body temperature
[NASA-CASE-ARC-10583-1] c 52 N76-29894
Induction powered biological radiosonde
[NASA-CASE-ARC-11120-1] c 52 N80-18691
- FUCHS, J. C.**
Lightning current waveform measuring system
[NASA-CASE-KSC-11018-1] c 33 N79-10337
- FUHR, W.**
Method for applying photographic resists to otherwise incompatible substrates
[NASA-CASE-MSC-18107-1] c 27 N81-25209

- FUHRMEISTER, P. F.**
Random function tracer Patent
[NASA-CASE-XLA-01401] c 15 N71-21179
- FUJIOKA, R. S.**
Folding structure fabricated of rigid panels
[NASA-CASE-XHQ-02146] c 18 N75-27040
- FULCHER, C. W. G.**
Automatic control of liquid cooling garment by cutaneous and external auditory meatus temperatures
[NASA-CASE-MSC-13917-1] c 05 N72-15098
- FULCHER, R. W.**
Low speed phaselock speed control system
[NASA-CASE-GSC-11127-1] c 09 N75-24758
- FULLER, H. V.**
Cable restraint
[NASA-CASE-LAR-10129-1] c 15 N73-25512
Reefing system
[NASA-CASE-LAR-10129-2] c 37 N74-20063
Binocular device for displaying numerical information in field of view
[NASA-CASE-LAR-11782-1] c 74 N77-20882
- FULTON, D. S.**
A spillage detector for liquid chromatography systems
[NASA-CASE-MSC-20206-1] c 25 N83-29325
- FUNG, L. W.**
Massively parallel processor computer
[NASA-CASE-GSC-12223-1] c 60 N83-25378
- FUNK, B. H., JR.**
Optical probing of supersonic flows with statistical correlation
[NASA-CASE-MFS-20642] c 14 N72-21407
- FURCINITI, C. A.**
Pulse-width modulation multiplier Patent
[NASA-CASE-XER-09213] c 07 N71-12390
- FURMAN, E. R.**
Closed loop spray cooling apparatus
[NASA-CASE-LEW-11981-1] c 31 N78-17237
Closed loop spray cooling apparatus
[NASA-CASE-LEW-11981-2] c 34 N79-20336
- FURNER, R. L.**
Automated analysis of oxidative metabolites
[NASA-CASE-ARC-10469-1] c 25 N75-12086
- FURTSCH, T. A.**
Electrically conductive palladium containing polyimide films
[NASA-CASE-LAR-12705-1] c 25 N82-26396
- FURUMOTO, H. W.**
Optical pump and driver system for lasers
[NASA-CASE-ERC-10283] c 16 N72-25485
- FYLER, N. F.**
Very high intensity light source using a cathode ray tube
[NASA-CASE-XNP-01296] c 33 N75-27250
- FYMAT, A. L.**
Interferometer-polarimeter
[NASA-CASE-NPO-11239] c 14 N73-12446
High resolution Fourier interferometer-spectrophotopolarimeter
[NASA-CASE-NPO-13604-1] c 35 N76-31490
Frequency-scanning particle size spectrometer
[NASA-CASE-NPO-13606-2] c 35 N80-18364
- G**
- GAALEMA, S. D.**
CCD correlated quadruple sampling processor
[NASA-CASE-NPO-14426-1] c 33 N79-17134
CCD correlated quadruple sampling processor
[NASA-CASE-NPO-14426-1] c 33 N81-27396
- GABROVIC, L. J.**
Bismuth-lead coatings for gas bearings used in atmospheric environments and vacuum chambers Patent
[NASA-CASE-XGS-02011] c 15 N71-20739
- GADDIS, D. H.**
Inorganic solid film lubricants Patent
[NASA-CASE-XMF-03988] c 15 N71-21403
- GADDIS, J. L.**
Method of forming dynamic membrane on stainless steel support
[NASA-CASE-MSC-18172-1] c 26 N80-19237
- GADDY, E. M.**
Optimum performance spacecraft solar cell system
[NASA-CASE-GSC-10669-1] c 03 N72-20031
- GADE, D. W.**
Temperature regulation circuit Patent
[NASA-CASE-XNP-02792] c 14 N71-28958
- GAETANO, G.**
Fast scan control for deflection type mass spectrometers
[NASA-CASE-LAR-11428-1] c 35 N74-34857
- GAHN, R. F.**
Analytical test apparatus and method for determining oxide content of alkali metal Patent
[NASA-CASE-XLE-01997] c 06 N71-23527
- Gels as battery separators for soluble electrode cells
[NASA-CASE-LEW-12364-1] c 44 N77-22606
- Zirconium carbide as an electrocatalyst for the chromous-chromic redox couple
[NASA-CASE-LEW-13246-1] c 44 N83-27344
- GAISER, E. E.**
Color television systems using a single gun color cathode ray tube Patent
[NASA-CASE-ERC-10098] c 09 N71-28618
- GALE, G. P.**
Flow rate switch
[NASA-CASE-NPO-10722] c 09 N72-20199
- GALLAGHER, H. E.**
Construction and method of arranging a plurality of ion engines to form a cluster Patent
[NASA-CASE-XNP-02923] c 28 N71-23081
High efficiency ionizer assembly Patent
[NASA-CASE-XNP-01954] c 28 N71-28850
- GALLO, A. J.**
Rapid sync acquisition system Patent
[NASA-CASE-NPO-10214] c 10 N71-26577
- GALLOWAY, C. W.**
Gas-to-hydraulic power converter
[NASA-CASE-MSC-18794-1] c 44 N83-14693
- GAMMELL, P. M.**
Hyperthermia heating apparatus
[NASA-CASE-NPO-14549-2] c 52 N82-33996
- GANGULI, P. S.**
Coal desulfurization process
[NASA-CASE-NPO-13937-1] c 44 N78-31527
- GARAVAGLIA, A. P.**
Shoulder harness and lap belt restraint system
[NASA-CASE-ARC-10519-2] c 05 N75-25915
- GARBA, J. A.**
Pressure seal Patent
[NASA-CASE-NPO-10796] c 15 N71-27068
- GARCIA, R. D.**
Radiative cooler
[NASA-CASE-NPO-15465-1] c 18 N82-10106
- GARD, L. H.**
Computerized system for translating a torch head
[NASA-CASE-MFS-23620-1] c 37 N79-10421
- GARDNER, D. E.**
Wire gnd forming apparatus Patent
[NASA-CASE-XLE-00023] c 15 N70-33330
- GARDNER, J. N.**
Technique of elbow bending small jacketed transfer lines Patent
[NASA-CASE-XNP-10475] c 15 N71-24679
- GARDNER, M. R.**
Heating and cooling system
[NASA-CASE-LAR-12393-1] c 34 N83-34221
- GARDNER, M. S.**
Differential pressure cell Patent
[NASA-CASE-XAC-00042] c 14 N70-34816
- GARDOS, M. N.**
Refractory porcelain enamel passive control coating for high temperature alloys
[NASA-CASE-MFS-22324-1] c 27 N75-27160
- GARFEIN, A.**
Pressure sensitive transducers Patent
[NASA-CASE-ERC-10087] c 14 N71-27334
Electricity measurement devices employing liquid crystalline materials
[NASA-CASE-ERC-10275] c 26 N72-25680
Semiconductor transducer device
[NASA-CASE-ERC-10087-2] c 14 N72-31446
- GARMIRE, E. M.**
Optical frequency waveguide Patent
[NASA-CASE-HQN-10541-1] c 07 N71-28291
Laser machining apparatus Patent
[NASA-CASE-HQN-10541-2] c 15 N71-27135
Optical frequency waveguide and transmission system Patent
[NASA-CASE-HQN-10541-4] c 16 N71-27183
Optical frequency waveguide and transmission system
[NASA-CASE-HQN-10541-3] c 23 N72-23695
- GARMIRE, G.**
X-ray position detector
[NASA-CASE-NPO-12087-1] c 74 N81-19898
- GARNER, H. D.**
Jet shoes
[NASA-CASE-XLA-08491] c 05 N69-21380
Dynamic precession damper for spin stabilized vehicles Patent
[NASA-CASE-XLA-01989] c 21 N70-34295
Attitude orientation of spin-stabilized space vehicles Patent
[NASA-CASE-XLA-00281] c 21 N70-36943
Fluid pressure amplifier and system
[NASA-CASE-LAR-10868-1] c 33 N74-11050
Magnetic heading reference
[NASA-CASE-LAR-11387-1] c 04 N76-20114
Magnetic heading reference
[NASA-CASE-LAR-11387-2] c 04 N77-19056
- Magnetic heading reference
[NASA-CASE-LAR-12638-1] c 44 N82-24716
Magnetic heading reference
[NASA-CASE-LAR-12638-1] c 04 N82-26260
Heads up display
[NASA-CASE-LAR-12630-1] c 06 N82-29319
- GARRAHAN, N. M.**
Solid state pulse generator with constant output width, for variable input width, in nanosecond range Patent
[NASA-CASE-XGS-03427] c 10 N71-23029
Resettable monostable pulse generator Patent
[NASA-CASE-GSC-11139] c 09 N71-27016
- GARREN, J. F., JR.**
Mechanical stability augmentation system Patent
[NASA-CASE-XLA-06339] c 02 N71-13422
Filtering technique based on high-frequency plant modeling for high-gain control
[NASA-CASE-LAR-12215-1] c 08 N79-23097
- GARRETT, H.**
A dc to dc converter
[NASA-CASE-MFS-25430-1] c 33 N82-28550
- GARWOOD, D. C.**
Ionization vacuum gauge Patent
[NASA-CASE-XNP-00646] c 14 N70-35666
- GARY, B. L.**
CAT altitude avoidance system
[NASA-CASE-NPO-15351-1] c 06 N83-10040
System for indicating fuel-efficient aircraft altitude
[NASA-CASE-NPO-15351-2] c 06 N83-17536
- GASSER, M. G.**
Stirling cycle cryogenic cooler
[NASA-CASE-GSC-12697-1] c 31 N82-11312
Stirling cycle cryogenic cooler
[NASA-CASE-LAR-12697-1] c 44 N83-28574
- GASTON, D. H.**
Masking device Patent
[NASA-CASE-NPO-02092] c 15 N70-42033
- GASTON, R. P., JR.**
Landing gear Patent
[NASA-CASE-XMF-01174] c 02 N70-41589
- GATES, D. W.**
Stabilized zinc oxide coating compositions Patent
[NASA-CASE-XMF-07770-2] c 18 N71-26772
Synthesis of zinc titanate pigment and coatings containing the same
[NASA-CASE-MFS-13532] c 18 N72-17532
Method of preparing zinc orthotitanate pigment
[NASA-CASE-MFS-23345-1] c 27 N77-30237
- GATES, J. D.**
Self-erecting reflector Patent
[NASA-CASE-XGS-09190] c 31 N71-16102
- GATES, L. E., JR.**
Method for fiberizing ceramic materials Patent
[NASA-CASE-XNP-00597] c 18 N71-23088
- GATEWOOD, J. R.**
Thin film temperature sensor and method of making same
[NASA-CASE-NPO-11775] c 26 N72-28761
- GATLIN, J. A.**
Cartwheel satellite synchronization system Patent
[NASA-CASE-XGS-05579] c 31 N71-15676
Gravity gradient attitude control system Patent
[NASA-CASE-GSC-10555-1] c 21 N71-27324
Sampled data controller Patent
[NASA-CASE-GSC-10554-1] c 08 N71-29033
- GATTI, A.**
Catalyst for growth of boron carbide single crystal whiskers
[NASA-CASE-XHQ-03903] c 15 N69-21922
- GAUSE, R. L.**
Restraint system for ergometer
[NASA-CASE-MFS-21046-1] c 14 N73-27377
Ergometer
[NASA-CASE-MFS-21109-1] c 05 N73-27941
Tilting table for ergometer and for other biomedical devices
[NASA-CASE-MFS-21010-1] c 05 N73-30078
Manual actuator
[NASA-CASE-MFS-21481-1] c 37 N74-18127
Conductive elastomeric extensometer
[NASA-CASE-MFS-21049-1] c 52 N74-27864
Ergometer calibrator
[NASA-CASE-MFS-21045-1] c 35 N75-15932
- GAUTHIER, M. K.**
Method for analyzing radiation sensitivity of integrated circuits
[NASA-CASE-NPO-14350-1] c 33 N80-14332
- GAVALAS, G. R.**
Coal desulfurization process
[NASA-CASE-NPO-13937-1] c 44 N78-31527
- GAVIRA, H. E.**
Fail-safe multiple transformer circuit configuration
[NASA-CASE-NPO-11078] c 09 N72-25262
- GAVRILLIS, T. G.**
Turnstile and flared cone UHF antenna
[NASA-CASE-LAR-10970-1] c 33 N76-14372

GAY, C. H., JR.

- Tip cap for a rotor blade
[NASA-CASE-LEW-13654-1] c 07 N83-14129
- GDULA, W. G.**
Recovery of radiation damaged solar cells through thermal annealing
[NASA-CASE-XGS-04047-2] c 03 N72-11062
- GEBBEN, V. D.**
Circuit for detecting initial systole and diastolic notch
[NASA-CASE-LEW-11581-1] c 54 N75-13531
- GEDWILL, M. A.**
Method of protecting the surface of a substrate
[NASA-CASE-LEW-11696-1] c 37 N75-13261
Duplex aluminized coatings
[NASA-CASE-LEW-11696-2] c 26 N75-19408
Overlay metallic-cermet alloy coating systems
[NASA-CASE-LEW-13639-1] c 27 N82-33522
Coating with overlay metallic-cermet alloy systems
[NASA-CASE-LEW-13639-2] c 26 N83-17683
- GEE, S. W.**
Terminal guidance system
[NASA-CASE-FRC-10049-1] c 04 N74-13420
- GEHRING, W. E.**
Apparatus for purging systems handling toxic, corrosive, noxious and other fluids Patent
[NASA-CASE-XMS-01905] c 12 N71-21089
- GEIDEMAN, W. A., JR.**
Electric arc light source having undercut recessed anode
[NASA-CASE-ARC-10266-1] c 33 N75-29318
- GEIER, D. J.**
Shock absorbing support and restraint means Patent
[NASA-CASE-XMS-01240] c 05 N70-35152
- GEIPEL, D. H.**
Omnidirectional acceleration device Patent
[NASA-CASE-HON-10780] c 14 N71-30265
- GEISE, P. E., JR.**
FM/CW radar system
[NASA-CASE-MFS-22234-1] c 32 N79-10264
- GELB, L. L.**
Method of repairing discontinuity in fiberglass structures
[NASA-CASE-LAR-10416-1] c 24 N74-30001
- GELDERLOOS, H. J. C.**
Reconfiguring redundancy management
[NASA-CASE-MSC-18498-1] c 60 N82-29013
- GELLES, R.**
Wide angle long eye relief eyepiece Patent
[NASA-CASE-XMS-06056-1] c 23 N71-24857
- GENTER, R. E.**
Electronically resettable fuse Patent
[NASA-CASE-XGS-11177] c 09 N71-27001
- GEORGE, T. R., JR.**
Device for installing rocket engines
[NASA-CASE-MFS-19220-1] c 20 N76-22296
- GERDTS, J. C.**
Concentric differential gearing arrangement
[NASA-CASE-ARC-10462-1] c 37 N74-27901
- GERINGER, H. J.**
Induction furnace with perforated tungsten foil shielding Patent
[NASA-CASE-XLE-04026] c 14 N71-23267
- GERMANN, E. F., JR.**
Radiation direction detector including means for compensating for photocell aging Patent
[NASA-CASE-XLA-00183] c 14 N70-40239
- GERTSMA, L. W.**
Foldable conduit Patent
[NASA-CASE-XLE-00620] c 32 N70-41579
- GETCHELL, D. E.**
Pressure garment joint Patent
[NASA-CASE-XMS-09636] c 05 N71-12344
- GETTELMAN, C. C.**
High powered arc electrodes
[NASA-CASE-LEW-11162-1] c 33 N74-12913
- GIACCONI, R.**
X-ray reflection collimator adapted to focus X-radiation directly on a detector Patent
[NASA-CASE-XHQ-04106] c 14 N70-40240
- GIANATASIO, A.**
Adaptive polarization separation
[NASA-CASE-LAR-12196-1] c 33 N81-26358
- GIANDOMENICO, A.**
Millimeter wave radiometer for radio astronomy Patent
[NASA-CASE-XNP-09832] c 30 N71-23723
High-torque open-end wrench
[NASA-CASE-NPO-13541-1] c 37 N79-14383
- GIANNINI, G. M.**
Combustion automatic-starting electrical plasma torch and gas shutoff valve
[NASA-CASE-XLE-10717] c 37 N75-29426
- GIBSON, F. W.**
Contour surveying system Patent
[NASA-CASE-XLA-08646] c 14 N71-17586

- Pressure operated electrical switch responsive to a pressure decrease after a pressure increase
[NASA-CASE-LAR-10137-1] c 09 N72-22204
- GILBERT, G. J.**
Mass spectrometer with magnetic pole pieces providing the magnetic fields for both the magnetic sector and an ion-type vacuum pump
[NASA-CASE-NPO-13663-1] c 35 N77-14406
- GILBREATH, W. P.**
Apparatus for ballasting high frequency transistors
[NASA-CASE-XGS-05003] c 09 N69-24318
- GILBREATH, W. P.**
Electrical conductivity cell and method for fabricating the same
[NASA-CASE-ARC-10810-1] c 33 N76-19339
- GILCHRIST, C. E.**
Signal-to-noise ratio estimating by taking ratio of mean and standard deviation of integrated signal samples Patent
[NASA-CASE-XNP-05254] c 07 N71-20791
- GILES, R. M. F.**
Dye penetrant for surfaces subsequently contacted by liquid oxygen Patent
[NASA-CASE-XMF-02221] c 18 N71-27170
- GILKISON, C. A.**
Linear accelerator frequency control system Patent
[NASA-CASE-XGS-05441] c 10 N71-22962
- GILL, W. L.**
Burn rate testing apparatus
[NASA-CASE-XMS-09690] c 33 N72-25913
- GILLERMAN, J. B.**
Water management system and an electrolytic cell therefor Patent
[NASA-CASE-MSC-10960-1] c 03 N71-24718
- GILLESPIE, W., JR.**
Infrared scanner Patent
[NASA-CASE-XLA-00120] c 21 N70-33181
Passive communication satellite Patent
[NASA-CASE-XLA-00210] c 30 N70-40309
Alleviation of divergence during rocket launch Patent
[NASA-CASE-XLA-00256] c 31 N71-15663
Method of making an inflatable panel Patent
[NASA-CASE-XLA-03497] c 15 N71-23052
- GILLETTE, R. B.**
Plasma cleaning device
[NASA-CASE-MFS-22906-1] c 75 N78-27913
- GILLEY, G. C.**
Shared memory for a fault-tolerant computer
[NASA-CASE-NPO-13139-1] c 60 N76-21914
- GILLEY, P. J.**
Material fatigue testing system
[NASA-CASE-MFS-20673] c 14 N73-20476
- GILLIGAN, J. E.**
Method of preparing zinc orthotitanate pigment
[NASA-CASE-MFS-23345-1] c 27 N77-30237
- GILLILAND, C. S.**
Variable anodic thermal control coating
[NASA-CASE-LAR-12719-1] c 44 N83-34449
- GILLMORE, W. F.**
Method and apparatus for high resolution spectral analysis
[NASA-CASE-NPO-10748] c 08 N72-20177
- GILMAN, M. M.**
Flanged major modular assembly jig
[NASA-CASE-MSC-19372-1] c 39 N76-31562
- GILREATH, M. C.**
Omnidirectional microwave spacecraft antenna Patent
[NASA-CASE-XLA-03114] c 09 N71-22888
- GILWEE, W. J.**
Toughening reinforced epoxy composites with brominated polymers additives
[NASA-CASE-ARC-11427-1] c 24 N83-25791
- GILWEE, W. J., JR.**
Honeycomb-laminate composite structure
[NASA-CASE-ARC-10913-1] c 24 N78-15180
- GIN, B.**
High acceleration cable deployment system
[NASA-CASE-ARC-11256-1] c 15 N82-24272
- GIN, W.**
Apparatus and method for control of a solid fueled rocket vehicle Patent
[NASA-CASE-XNP-00217] c 28 N70-38181
- GINER, J. D.**
Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-1] c 33 N80-20487
Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-2] c 44 N81-29524
- GINSBURG, A.**
Supercharged topping rocket propellant feed system
[NASA-CASE-XLE-02062-1] c 20 N80-14188
- GIORGINI, E. A.**
Self-contained breathing apparatus
[NASA-CASE-MSC-14733-1] c 54 N76-24900

GIOVANNETTI, A., JR.

- High-temperature, high-pressure spherical segment valve Patent
[NASA-CASE-XAC-00074] c 15 N70-34817
- GIRALA, A. S.**
Open type urine receptacle
[NASA-CASE-MSC-12324-1] c 05 N72-22093
Open ended tubing cutters
[NASA-CASE-MSC-18538-1] c 37 N82-26672
- GLASER, P. E.**
Apparatus for measuring thermal conductivity Patent
[NASA-CASE-XGS-01052] c 14 N71-15992
- GLASGOW, T. K.**
Overlay metallic-cermet alloy coating systems
[NASA-CASE-LEW-13639-1] c 27 N82-33522
Coating with overlay metallic-cermet alloy systems
[NASA-CASE-LEW-13639-2] c 26 N83-17683
- GLASSEY, E. A.**
Line following servosystem Patent
[NASA-CASE-XAC-00001] c 15 N71-28952
- GLAWE, G. E.**
Enthalpy and stagnation temperature determination of a high temperature laminar flow gas stream Patent
[NASA-CASE-XLE-00266] c 14 N70-34156
Sensing probe
[NASA-CASE-LEW-10281-1] c 14 N72-17327
- GLEASON, J. R.**
Hot melt adhesive attachment pad
[NASA-CASE-LAR-12894-1] c 27 N83-34044
- GLEKAS, L. P.**
Compact solar still Patent
[NASA-CASE-XMS-04533] c 15 N71-23086
- GLENN, C. G.**
Manual actuator
[NASA-CASE-MFS-21481-1] c 37 N74-18127
Conductive elastomeric extensometer
[NASA-CASE-MFS-21049-1] c 52 N74-27864
- GLENN, D. C.**
Method of lubricating rolling element bearings Patent
[NASA-CASE-XLE-09527] c 15 N71-17688
Rolling element bearings Patent
[NASA-CASE-XLE-09527-2] c 15 N71-26189
- GLOBUS, R. H.**
Process of forming particles in a cryogenic path Patent
[NASA-CASE-NPO-10250] c 23 N71-16212
- GLOMB, W. L.**
Time division radio relay synchronizing system using different sync code words for in sync and out of sync conditions Patent
[NASA-CASE-GSC-10373-1] c 07 N71-19773
Tracking receiver Patent
[NASA-CASE-XGS-08679] c 10 N71-21473
- GLORIA, H. R.**
Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-1] c 27 N74-21156
Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-2] c 27 N76-32315
- GOERING, R. S.**
Open tube guideway for high speed air cushioned vehicles
[NASA-CASE-LAR-10256-1] c 85 N74-34672
- GOETZ, A. F. H.**
Multispectral imaging and analysis system
[NASA-CASE-NPO-13691-1] c 43 N79-17288
- GOETZ, C.**
Quartz ball valve
[NASA-CASE-NPO-14473-1] c 37 N80-23654
- GOLD, H.**
Automotive gas turbine fuel control
[NASA-CASE-LEW-12785-1] c 37 N78-24545
- GOLD, H. S.**
Gas turbine engine fuel control
[NASA-CASE-LEW-11187-1] c 28 N73-19793
- GOLDBERG, G. I.**
Reaction wheel scanner Patent
[NASA-CASE-XGS-02629] c 14 N71-21082
- GOLDBERG, J.**
Automatic fault correction system for parallel signal channels Patent
[NASA-CASE-XNP-03263] c 09 N71-18843
- GOLDEN, D. P., JR.**
Contourograph system for monitoring electrocardiograms
[NASA-CASE-MSC-13407-1] c 10 N72-20225
Apparatus and method for processing Korotkov sounds
[NASA-CASE-MSC-13999-1] c 52 N74-26626
- GOLDMAN, G. C.**
High powered arc electrodes
[NASA-CASE-LEW-11162-1] c 33 N74-12913
- GOLDOWSKY, M.**
Stirling cycle cryogenic cooler
[NASA-CASE-GSC-12697-1] c 31 N82-11312

GOLDOWSKY, M. P.

- Linear magnetic bearings
[NASA-CASE-GSC-12582-1] c 37 N81-16469
- Reciprocating linear motor
[NASA-CASE-GSC-12773-1] c 33 N83-12332
- Linear magnetic bearings
[NASA-CASE-GSC-12582-2] c 37 N83-13460
- Stirling cycle cryogenic cooler
[NASA-CASE-LAR-12697-1] c 44 N83-28574

GOLDSBERRY, R. E.

- Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-1] c 27 N74-21156
- Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-2] c 27 N76-32315

GOLDSCHMIED, F. R.

- Shear modulated fluid amplifier Patent
[NASA-CASE-MFS-10412] c 12 N71-17578

GOLDSMITH, J. V.

- Solar battery with interconnecting means for plural cells Patent
[NASA-CASE-XNP-06506] c 03 N71-11050
- Solid state matrices
[NASA-CASE-NPO-10591] c 03 N72-22041
- Solar cell panels with light transmitting plate
[NASA-CASE-NPO-10747] c 03 N72-22042

GOLDSTEIN, A. W.

- Supersonic fan blading
[NASA-CASE-LEW-11402-1] c 07 N74-28226

GOLDSTEIN, C. S.

- Dynamic capacitor having a peripherally driven element and system incorporating the same
[NASA-CASE-XNP-02899-1] c 33 N79-21265

GOLDSTEIN, H. E.

- Silica reusable surface insulation
[NASA-CASE-ARC-10721-1] c 27 N76-22376
- Reaction cured glass and glass coatings
[NASA-CASE-ARC-11051-1] c 27 N78-32260
- Fibrous refractory composite insulation
[NASA-CASE-ARC-11169-1] c 24 N79-24062
- Adjustable high emittance gap filler
[NASA-CASE-ARC-11310-1] c 27 N82-24339
- High temperature glass thermal control structure and coating
[NASA-CASE-ARC-11164-1] c 44 N83-34448

GOLDSTEIN, I.

- Clear air turbulence detector
[NASA-CASE-MFS-21244-1] c 36 N75-15028

GOLDSTEIN, R.

- Optical gyroscope system
[NASA-CASE-NPO-14258-1] c 35 N81-33448
- Ion mass spectrometer
[NASA-CASE-NPO-15423-1] c 91 N82-25042

GOLDSTEIN, R. M.

- Correlation function apparatus Patent
[NASA-CASE-XNP-00746] c 07 N71-21476
- Method and apparatus for mapping planets
[NASA-CASE-NPO-11001] c 07 N72-21118
- Binary coded sequential acquisition ranging system
[NASA-CASE-NPO-11194] c 08 N72-25209
- Apparatus for deriving synchronizing pulses from pulses in a single channel PCM communications system
[NASA-CASE-NPO-11302-1] c 07 N73-13149
- Method and apparatus for a single channel digital communications system
[NASA-CASE-NPO-11302-2] c 32 N74-10132
- Digital demodulator-correlator
[NASA-CASE-NPO-13982-1] c 32 N79-14267
- Synthetic aperture radar target simulator
[NASA-CASE-NPO-15024-1] c 32 N82-10286
- Method and apparatus for contour mapping using synthetic aperture radar
[NASA-CASE-NPO-15939-1] c 43 N83-20324

GOLSTEIN, B. E.

- Ion mass spectrometer
[NASA-CASE-NPO-15423-1] c 91 N82-25042

GONZALEZ-SANABRIA, O. D.

- Alkaline battery containing a separator of a cross-linked copolymer of vinyl alcohol and unsaturated carboxylic acid
[NASA-CASE-LEW-13102-1] c 44 N81-29531

GOODLOE, R. R.

- Telephone multiline signaling using common signal pair
[NASA-CASE-KSC-11023-1] c 32 N79-23310

GOODRICH, J. A.

- Locking device for turbine rotor blades Patent
[NASA-CASE-XNP-00816] c 28 N71-28928

GOODWIN, F. E.

- Opto-mechanical subsystem with temperature compensation through isothermal design
[NASA-CASE-GSC-12059-1] c 35 N77-27366

GOODWIN, R. A.

- Spectroscope equipment using a slender cylindrical reflector as a substitute for a slit Patent
[NASA-CASE-XGS-08269] c 23 N71-26206

GOODYER, M. J.

- Stagnation pressure probe
[NASA-CASE-LAR-11139-1] c 35 N74-32878

GOOKIN, R. E.

- System for synchronizing synthesizers of communication systems
[NASA-CASE-GSC-12148-1] c 32 N79-20296

GORADIA, C. P.

- Method of making a high voltage V-groove solar cell
[NASA-CASE-LEW-13401-1] c 44 N82-29709
- High voltage planar multijunction solar cell
[NASA-CASE-LEW-13400-1] c 44 N82-31764
- High voltage v-groove solar cell
[NASA-CASE-LEW-13401-2] c 44 N83-32177

GORDON, B. L.

- Television noise reduction device
[NASA-CASE-MSC-12607-1] c 32 N75-21485

GORDON, W. A.

- Arc electrode of graphite with ball tip Patent
[NASA-CASE-XLE-04788] c 09 N71-22987

GORELICK, D.

- Arterial pulse wave pressure transducer
[NASA-CASE-GSC-11531-1] c 52 N74-27566

GORSTEIN, M.

- Two color horizon sensor
[NASA-CASE-ERC-10174] c 14 N72-25409

GOSS, W. C.

- High pulse rate high resolution optical radar system
[NASA-CASE-NPO-11426] c 07 N73-26119
- Optical gyroscope system
[NASA-CASE-NPO-14258-1] c 35 N81-33448
- Ranging system
[NASA-CASE-NPO-15865-1] c 74 N83-12991
- Method for making a bonded single mode fiber optic wavelength coupler
[NASA-CASE-NPO-15464-1] c 74 N83-25540

GOULD, C. W.

- Printed circuit board with bellows rivet connection Patent
[NASA-CASE-XNP-05082] c 15 N70-41960

GOULD, J. M.

- Static inverters which sum a plurality of waves Patent
[NASA-CASE-XMF-00663] c 08 N71-18752
- Acquisition and tracking system for optical radar
[NASA-CASE-MFS-20125] c 16 N72-13437
- A dc to dc converter
[NASA-CASE-MFS-25430-1] c 33 N82-28550

GOULD, W. I., JR.

- Millimeter wave antenna system Patent Application
[NASA-CASE-GSC-10949-1] c 07 N71-28965

GRAAB, J. W.

- Analytical test apparatus and method for determining oxide content of alkali metal Patent
[NASA-CASE-XLE-01997] c 06 N71-23527

GRABOWSKI, J. P.

- Target acquisition antenna
[NASA-CASE-GSC-10064-1] c 10 N72-22235

GRAESE, R. W.

- Thermal protection system
[NASA-CASE-MSC-18796-1] c 24 N82-26389

GRAFF, J.

- Amino acid analysis
[NASA-CASE-NPO-12130-1] c 25 N75-14844

GRAFSTEIN, D.

- Fluidic-thermochromic display device Patent
[NASA-CASE-ERC-10031] c 12 N71-18603

GRAHAM, O. L.

- Color television system
[NASA-CASE-MSC-12146-1] c 07 N72-17109

GRAHAM, R. W.

- Liquid storage tank venting device for zero gravity environment Patent
[NASA-CASE-XLE-01449] c 15 N70-41646
- Curved film cooling admission tube
[NASA-CASE-LEW-13174-1] c 34 N83-27144

GRAN, A. A.

- Venting device for pressurized space suit helmet Patent
[NASA-CASE-XMS-09652-1] c 05 N71-26333

GRANA, D.

- Apparatus and process for microbial detection and enumeration
[NASA-CASE-LAR-12709-1] c 35 N82-28604

GRANA, D. C.

- Remote water monitoring system
[NASA-CASE-LAR-11973-1] c 35 N78-27384
- Natural turbulence electrical power generator
[NASA-CASE-LAR-11551-1] c 44 N80-29834
- Vertical shaft windmill
[NASA-CASE-LAR-12923-1] c 44 N82-29713

GRANATA, R. L.

- Sidereal frequency generator Patent
[NASA-CASE-XGS-02610] c 14 N71-23174

GRANT, D. J.

- Passively regulated water electrolysis rocket engine Patent
[NASA-CASE-XGS-08729] c 28 N71-14044
- Precision thrust gage Patent
[NASA-CASE-XGS-02319] c 14 N71-22965
- Fluid flow meter with comparator reference means Patent
[NASA-CASE-XGS-01331] c 14 N71-22996
- Dual wavelength scanning Doppler velocimeter
[NASA-CASE-ARC-10637-1] c 35 N75-16783

GRANT, M. M.

- Spacecraft attitude sensor
[NASA-CASE-GSC-10890-1] c 21 N73-30640

GRANT, P.

- Imaging X-ray spectrometer
[NASA-CASE-GSC-12682-1] c 35 N82-26629

GRANT, W. B.

- Portable laser remote system for methane gas detection
[NASA-CASE-NPO-15790-1] c 36 N83-33137

GRANTHAM, W. L.

- Means for measuring the electron density gradients of the plasma sheath formed around a space vehicle Patent
[NASA-CASE-XLA-06232] c 25 N71-20563
- Antenna design for surface wave suppression Patent
[NASA-CASE-XLA-10772] c 07 N71-28980

GRASSO, A. P.

- Reactant pressure differential control for fuel cell gases
[NASA-CASE-MSC-20127-1] c 44 N82-32843

GRAY, C. E.

- Optical characteristics measuring apparatus Patent
[NASA-CASE-XNP-08840] c 23 N71-16365

GRAY, D. L.

- Solar cell angular position transducer
[NASA-CASE-LAR-11999-1] c 44 N80-18552

GRAY, D. T.

- Three-axis adjustable loading structure
[NASA-CASE-FRC-10051-1] c 35 N74-13129

GRAY, J. L.

- Automatic lightning detection and photographic system
[NASA-CASE-KSC-10728-1] c 14 N73-32319

GRAY, N. C.

- Fire extinguishing apparatus having a slidable mass for a penetrator nozzle
[NASA-CASE-KSC-11064-1] c 31 N81-14137

GRAY, O. E.

- Hermetically sealable package for hybrid solid-state electronic devices and the like
[NASA-CASE-MSC-20181-1] c 33 N82-28549

GRAY, V. H.

- Boiler for generating high quality vapor Patent
[NASA-CASE-XLE-00785] c 33 N71-16104

GREBE, V. J.

- Ablative system
[NASA-CASE-LEW-10359] c 33 N72-25911

GREBE, F. J.

- Ablative system
[NASA-CASE-LEW-10359-2] c 33 N73-25952

GRAYSON, J. H.

- Space vehicle with artificial gravity and earth-like environment
[NASA-CASE-LEW-11101-1] c 31 N73-32750

GRAYSON, J. H.

- Voltage-current characteristic simulator Patent
[NASA-CASE-XMS-01554] c 10 N71-10578

GREBE, V. J.

- Inductive liquid level detection system Patent
[NASA-CASE-XLE-01609] c 14 N71-10500

GREBE, F. J.

- Variable ratio mixed-mode bilateral master-slave control system for shuttle remote manipulator system
[NASA-CASE-MSC-14245-1] c 18 N75-27041

GREEN, A. T.

- Method and apparatus for nondestructive testing of pressure vessels
[NASA-CASE-NPO-12142-1] c 38 N76-28563

GREEN, C. W., JR.

- Rocket injector head
[NASA-CASE-XMF-04592-1] c 20 N79-21125

GREEN, E. D.

- Linear sawtooth voltage-wave generator employing transistor timing circuit having capacitor-zener diode combination feedback Patent
[NASA-CASE-XMS-01315] c 09 N70-41675

GREEN, G.

- Thin wire pointing method
[NASA-CASE-NPO-15789-1] c 31 N83-19947

GREEN, K. A.

- Highly efficient antenna system using a corrugated horn and scanning hyperbolic reflector
[NASA-CASE-NPO-13568-1] c 32 N76-21385

GREEN, K. A.

- Multifrequency broadband polarized horn antenna
[NASA-CASE-NPO-14588-1] c 32 N81-25278

GREEN, R. G.

- Traversing probe Patent
[NASA-CASE-XFR-02007] c 12 N71-24692
- Layout tool Patent
[NASA-CASE-FRC-10005] c 15 N71-26145
- Method and apparatus for attaching physiological monitoring electrodes Patent
[NASA-CASE-XFR-07658-1] c 05 N71-26293

GREEN, R. R.

- Serial digital decoder Patent
[NASA-CASE-NPO-10150] c 08 N71-24650
- Apparatus for deriving synchronizing pulses from pulses in a single channel PCM communications system
[NASA-CASE-NPO-11302-1] c 07 N73-13149
- Method and apparatus for a single channel digital communications system
[NASA-CASE-NPO-11302-2] c 32 N74-10132

GREEN, W. L.

- Mass measuring system Patent
[NASA-CASE-XMS-03371] c 05 N70-42000

GREENBERG, J.

- Combined electrolysis device and fuel cell and method of operation Patent
[NASA-CASE-XLE-01845] c 03 N71-20904
- Heat activated cell with alkali anode and alkali salt electrolyte Patent
[NASA-CASE-LEW-11358] c 03 N71-26084
- Heat activated cell Patent
[NASA-CASE-LEW-11359] c 03 N71-28579
- Method of making emf cell
[NASA-CASE-LEW-11359-2] c 03 N72-20034

GREENLEAF, J. E.

- Thermistor holder for skin temperature measurements
[NASA-CASE-ARC-10855-1] c 52 N77-10780
- Sweat collection capsule
[NASA-CASE-ARC-11031-1] c 52 N81-29763

GREENWOOD, T. D.

- Thermoset-thermoplastic aromatic polyamides
[NASA-CASE-LAR-12723-1] c 27 N81-15107

GREENWOOD, T. L.

- Seismic displacement transducer Patent
[NASA-CASE-XMF-00479] c 14 N70-34794
- Condition and condition duration indicator Patent
[NASA-CASE-XMF-01097] c 10 N71-16058

GREGORY, J. W.

- Rocket motor system Patent
[NASA-CASE-XLE-00323] c 28 N70-38505
- Combustion chamber Patent
[NASA-CASE-XLE-04857] c 28 N71-23968
- Rocket thrust throttling system
[NASA-CASE-LEW-10374-1] c 28 N73-13773

GREGORY, T. J.

- Rotating launch device for a remotely piloted aircraft
[NASA-CASE-ARC-10979-1] c 09 N77-19076

GRIEVE, S. M.

- Apparatus for testing wiring harness by vibration generating means
[NASA-CASE-MSC-15158-1] c 14 N72-17325

GRIFFIN, C. E.

- Particle analyzing method and apparatus
[NASA-CASE-NPO-15292-1] c 35 N83-27184

GRIFFIN, C. R.

- Antenna deployment mechanism for use with a spacecraft
[NASA-CASE-GSC-12331-1] c 18 N80-14183

GRIFFIN, F. D.

- Device for determining the accuracy of the flare on a flared tube
[NASA-CASE-XKS-03495] c 14 N69-39785
- Optical monitor panel Patent
[NASA-CASE-XKS-03509] c 14 N71-23175

GRIFFIN, R. N.

- Apparatus for conducting flow electrophoresis in the substantial absence of gravity
[NASA-CASE-MFS-21394-1] c 34 N74-27744

GRIFFIN, W. S.

- Fluid jet amplifier
[NASA-CASE-XLE-03512] c 12 N69-21466
- Fluid jet amplifier Patent
[NASA-CASE-XLE-09341] c 12 N71-28741

GRIFFITH, G. E.

- High intensity heat and light unit Patent
[NASA-CASE-XLA-00141] c 09 N70-33312

GRINER, D. B.

- System for the measurement of ultra-low stray light levels
[NASA-CASE-MFS-23513-1] c 74 N79-11865

GRISAFFE, S. J.

- Method of making a diffusion bonded refractory coating Patent
[NASA-CASE-XLE-01604-2] c 15 N71-15610
- Nickel aluminate coated low alloy stainless steel
[NASA-CASE-LEW-11267-1] c 17 N73-32414
- Method of protecting the surface of a substrate
[NASA-CASE-LEW-11696-1] c 37 N75-13261

Duplex aluminized coatings

- [NASA-CASE-LEW-11696-2] c 26 N75-19408
- Fused silicate coatings containing discrete particles for protecting niobium alloys
[NASA-CASE-LEW-11179-1] c 27 N76-16229

GRISWOLD, R. H., JR.

- Dual output variable pitch turbofan actuation system
[NASA-CASE-LEW-12419-1] c 07 N77-14025

GROBMAN, J.

- Electric propulsion engine test chamber Patent
[NASA-CASE-XLE-00252] c 11 N70-34844

GROHMANN, K.

- Coal desulfurization by aqueous chlorination
[NASA-CASE-NPO-14902-1] c 25 N82-29371

GROOM, N. J.

- Electromagnetic mirror drive system
[NASA-CASE-XLA-03724] c 14 N69-27461
- Variable pulse width multiplier Patent
[NASA-CASE-XLA-02850] c 09 N71-20447
- Annular momentum control device used for stabilization of space vehicles and the like
[NASA-CASE-LAR-11051-1] c 15 N76-14158

Magnetic suspension and pointing system

- [NASA-CASE-LAR-11889-2] c 37 N78-27424
- Magnetic suspension and pointing system
[NASA-CASE-LAR-11889-1] c 35 N79-26372

Rim inertial measuring system

- [NASA-CASE-LAR-12052-1] c 18 N81-29152

GROSE, W. L.

- Combustion detector
[NASA-CASE-LAR-10739-1] c 14 N73-16484

GROSS, C.

- Method of temperature compensating semiconductor strain gages Patent
[NASA-CASE-XLA-04555-1] c 14 N71-25892
- Infrared detectors
[NASA-CASE-LAR-10728-1] c 14 N73-12445

- Electronically scanned pressure sensor module with in SITU calibration capability
[NASA-CASE-LAR-12230-1] c 35 N79-14347

- A self-correcting electronically scanned pressure sensor
[NASA-CASE-LAR-12686-1] c 09 N81-27121

GROSS, W. J.

- Method of fabricating an object with a thin wall having a precisely shaped slit
[NASA-CASE-LAR-10409-1] c 31 N74-21059

GROTH, W. G.

- Optical inspection apparatus Patent
[NASA-CASE-XMF-00462] c 14 N70-34298

GROVE, C. H.

- Lightning current waveform measuring system
[NASA-CASE-KSC-11018-1] c 33 N79-10337

GROVES, W. O.

- Method for the preparation of inorganic single crystal and polycrystalline electronic materials
[NASA-CASE-XLE-02545-1] c 76 N79-21910

GRUBBS, T. M.

- Discrete local altitude sensing device Patent
[NASA-CASE-XMS-03792] c 14 N70-41812

GRUBBS, T. M.

- Line cutter Patent
[NASA-CASE-XMS-04072] c 15 N70-42017

GRUBBS, T. M.

- Tension measurement device Patent
[NASA-CASE-XMS-04545] c 15 N71-22878

GRUBBS, T. M.

- Winch having cable position and load indicators Patent
[NASA-CASE-MSC-12052-1] c 15 N71-24599

GRUBER, C. L.

- Method and apparatus for optical modulating a light signal Patent
[NASA-CASE-GSC-10216-1] c 23 N71-26722

GRUBER, R. P.

- Closed loop solar array-ion thruster system with power control circuitry
[NASA-CASE-LEW-12780-1] c 20 N79-20179

GRUBER, R. P.

- Self-reconfiguring solar cell system
[NASA-CASE-LEW-12588-1] c 44 N80-14472

GRUBER, R. P.

- Simplified dc to dc converter
[NASA-CASE-LEW-13495-1] c 33 N82-24432

GRUNBAUM, B. W.

- Automatic multiple-sample applicator and electrophoresis apparatus
[NASA-CASE-ARC-10991-1] c 25 N78-14104

GRUNBAUM, B. W.

- Microelectrophoretic apparatus and process
[NASA-CASE-ARC-11121-1] c 25 N79-14169

GRUNTHANER, F. J.

- Photoelectron spectrometer with means for stabilizing sample surface potential
[NASA-CASE-NPO-13772-1] c 35 N78-10429

GUEST, S. H.

- Method and apparatus for suppressing ignition overpressure in solid rocket propulsion systems
[NASA-CASE-MFS-25843-1] c 20 N83-17588

GUILLLOTTE, R. J.

- Infrared scanner Patent
[NASA-CASE-XLA-00120] c 21 N70-33181

GUISINGER, J. E.

- Starting circuit for vapor lamps and the like Patent
[NASA-CASE-XNP-01058] c 09 N71-12540
- Variable frequency nuclear magnetic resonance spectrometer Patent
[NASA-CASE-XNP-09830] c 14 N71-26266

- High voltage transistor amplifier with constant current load
[NASA-CASE-NPO-11023] c 09 N72-17155

- Thermomagnetic recording and magneto-optic playback system having constant intensity laser beam control
[NASA-CASE-NPO-11317-2] c 36 N74-13205

- Magneto-optic detection system with noise cancellation
[NASA-CASE-NPO-11954-1] c 35 N78-29421

- Thermomagnetic recording and magneto-optic playback system
[NASA-CASE-NPO-10872-1] c 35 N79-16246

- Manganese bismuth films with narrow transfer characteristics for Cune-point switching
[NASA-CASE-NPO-11336-1] c 76 N79-16678

- GUIST, L. R.
Solid medium thermal engine
[NASA-CASE-ARC-10481-1] c 44 N74-33379

- GUM, J. S.
Tool for releasing optical elements
[NASA-CASE-GSC-12794-1] c 37 N83-12434

- GUNGLE, R. L.
Self-sealing, unbonded, rocket motor nozzle closure Patent
[NASA-CASE-XLA-02651] c 28 N70-41967

- GUNTER, W. D., JR.
Multiple pass remapping optical system
[NASA-CASE-ARC-10194-1] c 23 N73-20741

- Dual wavelength scanning Doppler velocimeter
[NASA-CASE-ARC-10637-1] c 35 N75-16783

- Pseudo-backscatter laser Doppler velocimeter employing antiparallel-reflector in the forward direction
[NASA-CASE-ARC-10970-1] c 36 N77-25501

- GUPTA, A.
Double-beam optical method and apparatus for measuring thermal diffusivity and other molecular dynamic processes in utilizing the transient thermal lens effect
[NASA-CASE-NPO-14657-1] c 74 N81-17887

- Broadband optical radiation detector
[US-PATENT-4,262,198] c 74 N83-19597

- GURTLE, R. A.
Ablation sensor
[NASA-CASE-XLA-01781] c 14 N69-39975

- Pressurized cell micrometeoroid detector Patent
[NASA-CASE-XLA-00936] c 14 N71-14996

- Dual measurement ablation sensor
[NASA-CASE-LAR-10105-1] c 34 N74-15652

- GUSOW, S. S.
Pseudo-noise test set for communication system evaluation
[NASA-CASE-MFS-22671-1] c 35 N75-21582

- Method of and means for testing a tape record/playback system
[NASA-CASE-MFS-22671-2] c 35 N77-17426

- GUSTAFSON, G. L.
Apparatus for measuring thermal conductivity Patent
[NASA-CASE-XGS-01052] c 14 N71-15592

- GUSTINCIC, J. J.
Microwave limb sounder
[NASA-CASE-NPO-14544-1] c 46 N82-12685

- GUTSHALL, R. L.
Star scanner
[NASA-CASE-GSC-11569-1] c 89 N74-30886

- GUY, J. T., SR.
Disk pack cleaning table Patent Application
[NASA-CASE-LAR-10590-1] c 15 N70-26819

- GYORGAK, C. A.
Process for applying a protective coating for salt bath brazing Patent
[NASA-CASE-XLE-00045] c 15 N70-33311

- Protective device for machine and metalworking tools Patent
[NASA-CASE-XLE-01092] c 15 N71-22797

- Extrusion die for refractory metals Patent
[NASA-CASE-XLE-06773] c 15 N71-23817

H

- HABBAL, N. A.
Analog signal integration and reconstruction system Patent
[NASA-CASE-NPO-10344] c 10 N71-26544

- System for quantizing graphic displays
[NASA-CASE-NPO-10745] c 08 N72-22164

- HABRA, J. H.
Multiple varactor frequency doubler Patent
[NASA-CASE-XMF-04958-1] c 10 N71-26414

- HADEK, V.**
Apparatus and method for measuring the Seebeck coefficient and resistivity of materials
[NASA-CASE-NPO-11749] c 14 N73-28486
Durable antistatic coating for polymethylmethacrylate
[NASA-CASE-NPO-13867-1] c 27 N78-14184
- HADLAND, W. O.**
Control device Patent
[NASA-CASE-XAC-10019] c 15 N71-23809
Two degree inverted flexure
[NASA-CASE-ARC-10345-1] c 15 N73-12488
- HADLEY, H. C., JR.**
High field CdS detector for infrared radiation
[NASA-CASE-LAR-11027-1] c 35 N74-18088
- HADT, W. F.**
Shaft seal assembly for high speed and high pressure applications
[NASA-CASE-LEW-11873-1] c 37 N79-22475
- HADY, W. F.**
High speed, self-acting shaft seal
[NASA-CASE-LEW-11274-1] c 37 N75-21631
- HAENNER, C. L.**
Peen plating
[NASA-CASE-GSC-11163-1] c 15 N73-32360
Static coefficient test method and apparatus
[NASA-CASE-GSC-11893-1] c 35 N76-31489
- HAERTHER, L. W.**
Chassis unit insert tightening-extract device
[NASA-CASE-XMS-01077-1] c 37 N79-33467
- HAUSSERMANN, W.**
Velocity measurement system
[NASA-CASE-MFS-23363-1] c 35 N78-32396
Magnetic field control
[NASA-CASE-MFS-23828-1] c 33 N82-26569
- HAFLE, R. S.**
Digital plus analog output encoder
[NASA-CASE-GSC-12115-1] c 62 N76-31946
- HAGIHARA, F. S.**
Frequency to analog converter Patent
[NASA-CASE-XNP-07040] c 08 N71-12500
- HAGOOD, G. J., JR.**
Function generator for synthesizing complex vibration mode patterns
[NASA-CASE-LAR-10310-1] c 10 N73-20253
- HAINES, R. F.**
Visual examination apparatus
[NASA-CASE-ARC-10329-1] c 05 N73-26072
Visual examination apparatus
[US-PATENT-RE-28,921] c 52 N76-30793
Optical instrument employing reticle having preselected visual response pattern formed thereon
[NASA-CASE-ARC-10976-1] c 74 N77-22950
- HALE, R. R.**
Solar energy modulator
[NASA-CASE-NPO-15388-1] c 44 N82-10496
- HALEY, C. T.**
Clock setter
[NASA-CASE-LAR-11458-1] c 35 N76-16392
- HALEY, F. C.**
Cavity radiometer Patent
[NASA-CASE-XNP-08961] c 14 N71-24809
Plural output optometric sample cell and analysis system
[NASA-CASE-NPO-10233-1] c 74 N78-33913
- HALL, A. C.**
Helmet weight simulator
[NASA-CASE-LAR-12320-1] c 54 N81-27806
- HALL, D. F.**
Apparatus for measuring electric field strength on the surface of a model vehicle Patent
[NASA-CASE-XLE-02038] c 09 N71-16086
- HALL, E. D.**
Spectroscope equipment using a slender cylindrical reflector as a substitute for a slit Patent
[NASA-CASE-XGS-08269] c 23 N71-26206
- HALL, E. H.**
Method for determining presence of OH in magnesium oxide
[NASA-CASE-NPO-10774] c 06 N72-17095
- HALL, J. B., JR.**
Surface roughness detector Patent
[NASA-CASE-XLA-00203] c 14 N70-34161
Liquid waste feed system
[NASA-CASE-LAR-10365-1] c 05 N72-27102
Automatic liquid inventory collecting and dispensing unit
[NASA-CASE-LAR-11071-1] c 35 N75-19611
- HALL, J. F., JR.**
Illumination system including a virtual light source Patent
[NASA-CASE-HQN-10781] c 23 N71-30292
- HALL, J. H.**
High powered arc electrodes
[NASA-CASE-LEW-11182-1] c 33 N74-12913
- HALLAM, K. L.**
Image tube
[NASA-CASE-GSC-11602-1] c 33 N74-21850
- HALLBERG, F. C.**
Turn on transient limiter Patent
[NASA-CASE-GSC-10413] c 10 N71-26531
Method and apparatus for slicing crystals
[NASA-CASE-GSC-12291-1] c 76 N80-18951
Workpiece positioning vise
[NASA-CASE-GSC-12762-1] c 37 N82-29604
Crystal cleaving machine
[NASA-CASE-GSC-12584-1] c 37 N82-32730
- HALLOCK, J. N.**
Multiple hologram recording and readout system Patent
[NASA-CASE-ERC-10151] c 16 N71-29131
- HALPERT, G.**
Frangible electrochemical cell
[NASA-CASE-XGS-10010] c 03 N72-15986
- HAMERMESH, C. L.**
Ambient cure polyimide foams
[NASA-CASE-ARC-11170-1] c 27 N79-11215
- HAMLET, J. F.**
Automatic quadrature control and measuring system
[NASA-CASE-MFS-21660-1] c 35 N74-21017
LC-oscillator with automatic stabilized amplitude via bias current control
[NASA-CASE-MFS-21698-1] c 33 N74-26732
- HAMMACK, J. B.**
Space capsule Patent
[NASA-CASE-XLA-00149] c 31 N70-37938
Space capsule Patent
[NASA-CASE-XLA-01332] c 31 N71-15664
- HAMMOND, A. D.**
Variable sweep aircraft Patent
[NASA-CASE-XLA-03659] c 02 N71-11041
- HANCHEY, K. K.**
Device for preventing high voltage arcing in electron beam welding Patent
[NASA-CASE-XMF-08522] c 15 N71-19486
- HAND, P. J.**
Temperature compensated digital inertial sensor
[NASA-CASE-NPO-13044-1] c 35 N74-15094
- HANDLYKKEN, M.**
A brushless dc tachometer
[NASA-CASE-NPO-15706-1] c 35 N82-26633
- HANGER, R. T.**
Method and apparatus for fabricating improved solar cell modules
[NASA-CASE-NPO-14416-1] c 44 N81-14389
- HANKINSON, T. W. E.**
Fatigue-resistant shear pin
[NASA-CASE-XLA-09122] c 15 N69-27505
- HANNA, M. F.**
Dual polarity full wave dc motor drive Patent
[NASA-CASE-XNP-07477] c 09 N71-26092
Event sequence detector
[NASA-CASE-NPO-11703-1] c 10 N73-32144
High isolation RF signal selection switches
[NASA-CASE-NPO-13081-1] c 33 N74-22814
- HANSEN, D. O.**
Particle parameter analyzing system
[NASA-CASE-XLE-06094] c 33 N78-17293
- HANSEN, G. R.**
Phase sensitive guidance sensor for wire-following vehicles
[NASA-CASE-NPO-15341-1] c 33 N82-12346
- HANSEN, G. R., JR.**
Automatic vehicle location system
[NASA-CASE-NPO-11850-1] c 32 N74-12912
Vehicle locating system utilizing AM broadcasting station carriers
[NASA-CASE-NPO-13217-1] c 32 N75-26194
- HANSEN, I. G.**
Flow angle sensor and read out system Patent
[NASA-CASE-XLE-04503] c 14 N71-24864
Low level signal limiter
[NASA-CASE-XLE-04791] c 32 N74-22096
- HANSEN, S.**
Thrust dynamometer Patent
[NASA-CASE-XLE-00702] c 14 N70-40203
Method of making screen by casting Patent
[NASA-CASE-XLE-00953] c 15 N71-15966
Fluid flow control valve Patent
[NASA-CASE-XLE-00703] c 15 N71-15967
Thrust dynamometer Patent
[NASA-CASE-XLE-05260] c 14 N71-20429
- HANSON, M. P.**
Turbo-machine blade vibration damper Patent
[NASA-CASE-XLE-00155] c 28 N71-29154
- HANSON, P. W.**
Lift balancing device
[NASA-CASE-LAR-10348-1] c 11 N73-12264
- HANSON, R. N.**
Tensile strength testing device Patent
[NASA-CASE-XNP-05634] c 15 N71-24834
- Hydroforming techniques using epoxy molds Patent
[NASA-CASE-XLE-05641-1] c 15 N71-26346
- HANST, P. L.**
Repetitively pulsed, wavelength selective laser Patent
[NASA-CASE-ERC-10178] c 16 N71-24832
- HAQ, K. E.**
A method for the deposition of beta-silicon carbide by isoeptaxy
[NASA-CASE-ERC-10120] c 26 N69-33482
- HARADA, Y.**
Method of preparing zinc orthotitanate pigment
[NASA-CASE-MFS-23345-1] c 27 N77-30237
- HARALSON, H. S.**
Ultrasonic scanning system for in-place inspection of brazed tube joints
[NASA-CASE-MFS-20767-1] c 38 N74-15130
- HARAWAY, W. M., JR.**
Thermal protection ablation spray system Patent
[NASA-CASE-XLA-04251] c 18 N71-26100
Bonding method in the manufacture of continuous regression rate sensor devices
[NASA-CASE-LAR-10337-1] c 24 N75-30260
Vacuum pressure molding technique
[NASA-CASE-LAR-10073-1] c 37 N76-24575
- HARD, T. M.**
Optical systems having spatially invariant outputs
[NASA-CASE-ERC-10248] c 14 N72-17323
- HARDGROVE, W. F.**
Omni-directional anisotropic molecular trap Patent
[NASA-CASE-XGS-00783] c 30 N71-17788
- HARDY, J. C.**
Omnidirectional joint Patent
[NASA-CASE-XMS-09635] c 05 N71-24623
Restraining mechanism
[NASA-CASE-MS-13054] c 54 N78-17677
- HARMAN, J. N., III**
Pulse activated polarographic hydrogen detector Patent
[NASA-CASE-XMF-06531] c 14 N71-17575
- HARMS, V. W.**
Apparatus for automatically stabilizing the attitude of a nonguided vehicle
[NASA-CASE-ARC-10134] c 30 N72-17873
- HAROULES, G. G.**
Method and means for providing an absolute power measurement capability Patent
[NASA-CASE-ERC-11020] c 14 N71-26774
Clear air turbulence detector
[NASA-CASE-ERC-10081] c 14 N72-28437
Method and apparatus for measuring solar activity and atmospheric radiation effects
[NASA-CASE-ERC-10276] c 14 N73-26432
- HARPER-TERVET, J.**
Mixed polyvalent-monovalent metal coating for carbon-graphite fibers
[NASA-CASE-NPO-14987-1] c 24 N83-33950
- HARPER, C. A.**
Thermal conductive connection and method of making same Patent
[NASA-CASE-XMS-02087] c 09 N70-41717
- HARPER, L. W.**
Laser resonator
[NASA-CASE-GSC-12565-1] c 36 N82-24485
- HARPER, P. M., SR.**
Improved tire/wheel concept
[NASA-CASE-LAR-11695-2] c 37 N80-18402
Tire/wheel concept
[NASA-CASE-LAR-11695-2] c 37 N81-24443
- HARRAP, V.**
Integrated circuit including field effect transistor and cermet resistor
[NASA-CASE-GSC-10835-1] c 09 N72-33205
- HARRIGILL, W. T., JR.**
Regulated high efficiency, lightweight capacitor-diode multiplier dc to dc converter
[NASA-CASE-LEW-12791-1] c 33 N78-32341
- HARRIS, D. M.**
Recorder using selective noise filter
[NASA-CASE-ERC-10112] c 07 N72-21119
- HARRIS, R. F.**
Method for fabricating a mass spectrometer inlet leak
[NASA-CASE-GSC-12077-1] c 35 N77-24455
- HARRIS, R. P.**
Holding fixture for a hot stamping press
[NASA-CASE-GSC-12619-1] c 37 N81-16470
- HARRIS, R. V., JR.**
Supersonic aircraft Patent
[NASA-CASE-XLA-04451] c 02 N71-12243
- HARRISON, D. R.**
Transducer circuit and catheter transducer Patent
[NASA-CASE-ARC-10132-1] c 09 N71-24597
Diode-quad bridge circuit means
[NASA-CASE-ARC-10364-3] c 33 N75-19520
Diode-quad bridge circuit means
[NASA-CASE-ARC-10364-2] c 33 N75-25041

- HARRISON, E. S.**
 Polymeric foams from cross-linkable poly-n-arylenebenzimidazoles [NASA-CASE-ARC-11008-1] c 27 N78-31232
- HARRISON, E., JR.**
 Universal connectors for joining stringers [NASA-CASE-LAR-12744-1] c 37 N81-31551
- HARRISON, F. L.**
 Life raft stabilizer [NASA-CASE-MSC-12393-1] c 02 N73-26006
- HARRISON, R. G., JR.**
 Pressure variable capacitor [NASA-CASE-XNP-09752] c 14 N69-21541
 Temperature telemetric transmitter Patent [NASA-CASE-NPO-10649] c 07 N71-24840
- HARSTAD, K. G.**
 Isotope separation using metallic vapor lasers [NASA-CASE-NPO-13550-1] c 36 N77-26477
- HARTENSTEIN, R. G.**
 Accelerometer with FM output Patent [NASA-CASE-XLA-00492] c 14 N70-34799
 Variable time constant smoothing circuit Patent [NASA-CASE-XGS-01983] c 10 N70-41964
- HARTING, D. R.**
 Strain gage Patent Application [NASA-CASE-FRC-10053] c 14 N70-35587
- HARTMANN, M. J.**
 Supercharged topping rocket propellant feed system [NASA-CASE-XLE-02062-1] c 20 N80-14188
- HARTOP, R. W.**
 Reflex feed system for dual frequency antenna with frequency cutoff means [NASA-CASE-NPO-14022-1] c 32 N78-31321
 Waveguide cooling system [NASA-CASE-NPO-15401-1] c 32 N83-27085
- HARVEY, G. A.**
 Maksutov spectrograph Patent [NASA-CASE-XLA-10402] c 14 N71-29041
 Apparatus for photographing meteors [NASA-CASE-LAR-10226-1] c 14 N73-19419
- HARVEY, W. D.**
 Heat sensing instrument Patent [NASA-CASE-XLA-01551] c 14 N71-22989
- HARWELL, R. J.**
 Nonflammable coating compositions [NASA-CASE-MFS-20486-2] c 27 N74-17283
- HASBACH, W. A.**
 Solid state matrices [NASA-CASE-NPO-10591] c 03 N72-22041
- HASKELL, R. E.**
 Optical process for producing classification maps from multispectral data [NASA-CASE-MSC-14472-1] c 43 N77-10584
 Interactive color display for multispectral imagery using correlation clustering [NASA-CASE-MSC-16253-1] c 32 N79-20297
- HASSON, D. F.**
 Space and atmospheric reentry vehicle Patent [NASA-CASE-XGS-00260] c 31 N70-37924
- HATAKEYAMA, L. F.**
 Method and system for ejecting fairing sections from a rocket vehicle [NASA-CASE-GSC-10590-1] c 31 N73-14853
- HATCH, J. E.**
 Energy conversion apparatus Patent [NASA-CASE-XLE-00212] c 03 N70-34134
- HATCHER, N. M.**
 Electromagnetic mirror drive system [NASA-CASE-XLA-03724] c 14 N69-27481
 Infrared scanner Patent [NASA-CASE-XLA-00120] c 21 N70-33181
 Automatic balancing device Patent [NASA-CASE-LAR-10774] c 10 N71-13545
 Altitude sensor for space vehicles Patent [NASA-CASE-XLA-00793] c 21 N71-22880
- HATFIELD, J. J.**
 Integrated time shared instrumentation display Patent [NASA-CASE-XLA-01952] c 08 N71-12507
- HATHAWAY, M. E.**
 Frangible tube energy dissipation Patent [NASA-CASE-XLA-00754] c 15 N70-34850
- HAUGE, G.**
 Low distortion automatic phase control circuit [NASA-CASE-MFS-21671-1] c 33 N74-22885
- HAURY, V. E.**
 Hydrazinium nitroformate propellant stabilized with nitroguanidine [NASA-CASE-NPO-12000] c 27 N72-25699
 Hydrazinium nitroformate propellant with saturated polymeric hydrocarbon binder [NASA-CASE-NPO-12015] c 27 N73-16764
- HAUSER, J. A.**
 High pressure gas filter system Patent [NASA-CASE-MFS-12806] c 14 N71-17588
 High pressure helium purifier Patent [NASA-CASE-XMF-06888] c 15 N71-24044
- HAVENS, D. E.**
 Meter for use in detecting tension in straps having predetermined elastic characteristics [NASA-CASE-MFS-22189-1] c 35 N75-19615
- HAWKINS, C. A.**
 System for the measurement of ultra-low stray light levels [NASA-CASE-MFS-23513-1] c 74 N79-11865
- HAWLEY, J. J.**
 Method of erasing target material of a vidicon tube or the like Patent [NASA-CASE-XNP-06028] c 09 N71-23189
- HAWLEY, W. W.**
 Omnidirectional acceleration device Patent [NASA-CASE-HQN-10780] c 14 N71-30265
- HAY, R. E.**
 Method for terminal position determination in Earth terminal-to-satellite burst acquisition and synchronization [NASA-CASE-LEW-13893-1] c 32 N83-30832
- HAYDEN, R. R.**
 Magnetic counter Patent [NASA-CASE-XNP-08836] c 09 N71-12515
- HAYNES, D. P.**
 Remote water monitoring system [NASA-CASE-LAR-11973-1] c 35 N78-27384
- HAYNES, J. L.**
 Ultrasonic scanning system for in-place inspection of brazed tube joints [NASA-CASE-MFS-20767-1] c 38 N74-15130
- HAYNIE, C. C.**
 Variable contour securing system [NASA-CASE-MSC-16270-1] c 37 N78-27423
 Heat treat fixture and method of heat treating [NASA-CASE-LAR-11821-1] c 26 N80-28492
- HAYNIG, C. C.**
 Apparatus for positioning modular components on a vertical or overhead surface [NASA-CASE-LAR-11465-1] c 37 N76-21554
- HAYNOS, J. G.**
 Interconnection of solar cells Patent [NASA-CASE-XGS-01475] c 03 N71-11058
 Frangible electrochemical cell [NASA-CASE-XGS-10010] c 03 N72-15986
- HAYS, L. G.**
 Fluid phase analyzer Patent [NASA-CASE-NPO-10691] c 14 N71-26199
 Two phase flow system with discrete impinging two-phase jets [NASA-CASE-NPO-11556] c 12 N72-25292
 Observation window for a gas confining chamber [NASA-CASE-NPO-10890] c 11 N73-12265
 Flow control valve [NASA-CASE-NPO-11951-1] c 37 N74-21065
- HEARN, C. P.**
 Wideband VCO with high phase stability Patent [NASA-CASE-XLA-03893] c 10 N71-27271
 Multichannel logarithmic RF level detector [NASA-CASE-LAR-11021-1] c 32 N76-14321
 Phase modulating with odd and even finite power series of a modulating signal [NASA-CASE-LAR-11607-1] c 32 N77-14292
- HEBERLIG, J. C.**
 Survival couch Patent [NASA-CASE-XLA-00118] c 05 N70-33285
- HECHT, R.**
 Apparatus for absolute pressure measurement [NASA-CASE-LAR-10000] c 14 N73-30394
- HECKELMAN, J. D.**
 Multibeam summary alarm Patent [NASA-CASE-XLE-03061-1] c 10 N71-24798
- HECKLER, C. H.**
 Mercury cathary interrupter Patent [NASA-CASE-XNP-02251] c 12 N71-20896
 Method for making conductors for ferromagnetic memory arrays [NASA-CASE-LAR-10994-1] c 24 N75-13032
- HEDGEPEETH, J. M.**
 Foldable beam [NASA-CASE-LAR-12077-1] c 31 N81-25259
- HEDLUND, R. C.**
 Precision rectifier with FET switching means Patent [NASA-CASE-ARC-10101-1] c 09 N71-33109
 Self-tuning bandpass filter [NASA-CASE-ARC-10264-1] c 09 N73-20231
- HEER, E.**
 Pressure seal Patent [NASA-CASE-NPO-10796] c 15 N71-27068
- HEFFERMAN, J. T.**
 Surface finishing [NASA-CASE-MSC-12631-3] c 27 N81-14077
- HEFFERNAN, J. T.**
 Surface finishing [NASA-CASE-MSC-12631-1] c 24 N77-28225
- HEFLINGER, L. O.**
 Spatial filter for Q-switched lasers [NASA-CASE-LEW-12164-1] c 36 N77-32478
- Microbalance**
 [NASA-CASE-MSC-11242] c 35 N78-17358
- HEIDMANN, M. F.**
 Injector for bipropellant rocket engines Patent [NASA-CASE-XMF-00148] c 28 N70-38710
 Instrument for the quantitative measurement of radiation at multiple wave lengths Patent [NASA-CASE-XLE-00011] c 14 N70-41946
 Control of transverse instability in rocket combustors Patent [NASA-CASE-XLE-04603] c 33 N71-21507
 Burning rate control of solid propellants Patent [NASA-CASE-XLE-03494] c 27 N71-21819
- HEIDT, M. F.**
 Ultrastable calibrated light source [NASA-CASE-MSC-12293-1] c 14 N72-27411
- HEIER, W. C.**
 Method for molding compounds Patent [NASA-CASE-XLA-01091] c 15 N71-10672
 Evacuated displacement compression molding [NASA-CASE-LAR-10782-1] c 31 N74-14133
 Method for compression molding of thermosetting plastics utilizing a temperature gradient across the plastic to cure the article [NASA-CASE-LAR-10489-1] c 31 N74-18124
 Method of laminating structural members [NASA-CASE-XLA-11028-1] c 24 N74-27035
 Molding apparatus [NASA-CASE-LAR-10489-2] c 31 N74-32920
 Evacuated, displacement compression mold [NASA-CASE-LAR-10782-2] c 31 N75-13111
 Molded composite pyrogen igniter for rocket motors [NASA-CASE-LAR-12018-1] c 20 N78-24275
- HEIMBUCH, A. H.**
 Chromato-fluorographic drug detector [NASA-CASE-ARC-10633-1] c 25 N74-26947
- HEIMERL, G. J.**
 Extensometer frame [NASA-CASE-XLA-10322] c 15 N72-17452
- HEIN, L. A.**
 Mechanical thermal motor [NASA-CASE-MFS-23062-1] c 37 N77-12402
 Spherical bearing [NASA-CASE-MFS-23447-1] c 37 N79-11404
 Amplified wind turbine apparatus [NASA-CASE-MFS-23830-1] c 44 N82-24639
 Unitary seal ring assembly [NASA-CASE-MFS-25678-1] c 37 N82-25517
- HEINDL, J. C.**
 Fluid lubricant system Patent [NASA-CASE-XNP-03972] c 15 N71-23048
- HEINEMANN, K.**
 Method of forming aperture plate for electron microscope [NASA-CASE-ARC-10448-2] c 74 N75-12732
 Electron microscope aperture system [NASA-CASE-ARC-10448-3] c 35 N77-14408
- HEINEY, O. K.**
 Self-obturator, gas operated launcher [NASA-CASE-NPO-11013] c 11 N72-22247
- HEISMAN, R. M.**
 Tube dimpling tool Patent [NASA-CASE-XMS-06876] c 15 N71-21536
 Heat treat fixture and method of heat treating [NASA-CASE-LAR-11821-1] c 26 N80-28492
- HELBERT, W. B., JR.**
 Method of repairing discontinuity in fiberglass structures [NASA-CASE-LAR-10418-1] c 24 N74-30001
- HELD, D. N.**
 Synthetic aperture radar target simulator [NASA-CASE-NPO-15024-1] c 32 N82-10286
- HELLBAUM, R. F.**
 Logic AND gate for fluid circuits Patent [NASA-CASE-XLA-07391] c 12 N71-17579
 Technique of duplicating fragile core [NASA-CASE-XLA-07829] c 15 N72-16329
 Fluid pressure amplifier and system [NASA-CASE-LAR-10868-1] c 33 N74-11050
- HELLER, J. A.**
 Apparatus and method for reducing thermal stress in a turbine rotor [NASA-CASE-LEW-12232-1] c 07 N79-10057
- HELLMANN, R. F.**
 Apparatus for purging systems handling toxic, corrosive, noxious and other fluids Patent [NASA-CASE-XMS-01905] c 12 N71-21089
- HELMAN, D. D.**
 Method for repair of thin glass coatings [NASA-CASE-KSC-11097-1] c 27 N82-33520
- HELMS, C. R.**
 Prosthetic urinary sphincter [NASA-CASE-MFS-23717-1] c 52 N81-25660

- HENDEL, F. J.**
Thermoplastic rubber comprising ethylene-vinyl acetate copolymer, asphalt and fluxing oil
[NASA-CASE-NPO-08835-1] c 27 N78-33228
- HENDERSON, M. E.**
Gas chromatograph injection system
[NASA-CASE-ARC-10344-2] c 35 N75-26334
- HENDRICKS, H. D.**
Method of detecting oxygen in a gas
[NASA-CASE-LAR-10668-1] c 06 N73-16106
- HENLEY, W. H.**
Method of fabricating an object with a thin wall having a precisely shaped slit
[NASA-CASE-LAR-10409-1] c 31 N74-21059
- HENNIGAN, T. J.**
Apparatus for measuring swelling characteristics of membranes
[NASA-CASE-XGS-03865] c 14 N69-21363
Prevention of pressure build-up in electrochemical cells Patent
[NASA-CASE-XGS-01419] c 03 N70-41864
Non-magnetic battery case Patent
[NASA-CASE-XGS-00886] c 03 N71-11053
Method and apparatus for battery charge control Patent
[NASA-CASE-XGS-05432] c 03 N71-19438
Sealing device for an electrochemical cell Patent
[NASA-CASE-XGS-02630] c 03 N71-22974
Sealed electrochemical cell provided with a flexible casing Patent
[NASA-CASE-XGS-01513] c 03 N71-23336
- HENRY, A. W.**
Dicyanoacetylene polymers Patent
[NASA-CASE-XNP-03250] c 06 N71-23500
- HENRY, B. Z., JR.**
Variable geometry manned orbital vehicle Patent
[NASA-CASE-XLA-03691] c 31 N71-15674
- HENRY, V. F.**
Systems and methods for determining radio frequency interference
[NASA-CASE-GSC-12150-1] c 32 N79-11265
- HEPNER, T. E.**
Auto covariance computer
[NASA-CASE-LAR-12968-1] c 35 N83-34273
- HEPPNER, J. P.**
Wide range linear fluxgate magnetometer Patent
[NASA-CASE-XGS-01587] c 14 N71-15962
- HERBELL, T. P.**
Gas purged dry box glove Patent
[NASA-CASE-XLE-02531] c 05 N71-23080
Method of producing refractory composites containing tantalum carbide, hafnium carbide, and hafnium boride Patent
[NASA-CASE-XLE-03940] c 18 N71-26153
Refractory metal base alloy composites
[NASA-CASE-XLE-03940-2] c 17 N72-28536
- HERGENROTHER, P. M.**
Ethynyl and substituted ethynyl-terminated polysulfones
[NASA-CASE-LAR-12931-1] c 23 N83-17590
Polyphenylquinoxalines containing pendant phenylethynyl and ethynyl groups
[NASA-CASE-LAR-12838-1] c 27 N83-34040
- HERMAN, C. F.**
Differential pulse code modulation
[NASA-CASE-MSC-12506-1] c 32 N77-12239
- HERMANN, A. M.**
Method of using photovoltaic cell using poly-N-vinylcarbazole complex Patent
[NASA-CASE-NPO-10373] c 03 N71-18698
- HERMESMEYER, C. E.**
Method and apparatus for quadrupole-shift-key and linear phase modulation
[NASA-CASE-NPO-14444-1] c 33 N81-15192
- HEROLD, C. P.**
Quick attach and release fluid coupling assembly Patent
[NASA-CASE-XKS-01985] c 15 N71-10782
- HERR, R. W.**
A support technique for vertically oriented launch vehicles
[NASA-CASE-XLA-02704] c 11 N69-21540
- HERRMANN, A. L.**
Locking device with rolling detents Patent
[NASA-CASE-XMF-01371] c 15 N70-41829
- HERRON, B. G.**
Power control circuit
[NASA-CASE-XNP-02713] c 10 N69-39888
- HESLIN, T. M.**
Inorganic spark chamber frame and method of making the same
[NASA-CASE-GSC-12354-1] c 35 N82-24471
- HESPEHIDE, W. H.**
Variable direction force coupler
[NASA-CASE-MFS-20317] c 15 N73-13463
- HESS, D. A.**
Passive propellant system
[NASA-CASE-MFS-23642-2] c 20 N78-27176
Passive propellant system
[NASA-CASE-MFS-23642-1] c 20 N80-10278
- HESS, R. V.**
A technique for breaking ice in the path of a ship
[NASA-CASE-LAR-10815-1] c 16 N72-22520
- HESS, R. W.**
Contour surveying system Patent
[NASA-CASE-XLA-08646] c 14 N71-17586
- HESTER, H. B.**
Current regulating voltage divider
[NASA-CASE-MFS-20935] c 09 N71-34212
- HETHCOAT, J. P.**
Thruster maintenance system Patent
[NASA-CASE-MFS-20325] c 28 N71-27095
- HEWES, D. E.**
Rotating space station simulator Patent
[NASA-CASE-XLA-03127] c 11 N71-10776
Reduced gravity simulator Patent
[NASA-CASE-XLA-01787] c 11 N71-16028
- HEWITT, D. R.**
Thermal control system
[NASA-CASE-GSC-12771-1] c 34 N83-12361
- HEYMAN, J. S.**
Ultrasonic calibration device
[NASA-CASE-LAR-11435-1] c 35 N76-15432
CW ultrasonic bolt tensioning monitor
[NASA-CASE-LAR-12016-1] c 39 N78-15512
Pseudo continuous wave instrument
[NASA-CASE-LAR-12260-1] c 35 N79-10390
CDS solid state phase insensitive ultrasonic transducer
[NASA-CASE-LAR-12304-1] c 35 N80-20559
Liquid-immersible electrostatic ultrasonic transducer
[NASA-CASE-LAR-12465-1] c 33 N82-26572
Acoustic tooth cleaner
[NASA-CASE-LAR-12471-1] c 52 N82-29862
Pulsed phase locked loop strain monitor
[NASA-CASE-LAR-12772-1] c 33 N83-16626
Error correction method and apparatus for electronic timepieces
[NASA-CASE-LAR-12654-1] c 33 N83-36357
- HEYSER, R. C.**
Temperature control system with a pulse width modulated bridge
[NASA-CASE-NPO-11304] c 14 N73-26430
Method for shaping and aiming narrow beams
[NASA-CASE-NPO-14632-1] c 32 N82-18443
- HEYSON, H. H.**
Variable geometry wind tunnels
[NASA-CASE-XLA-07430] c 11 N72-22246
- HIEDA, L. S.**
Controller for computer control of brushless dc motors
[NASA-CASE-NPO-13970-1] c 33 N81-20352
- HIGA, W. H.**
Refrigeration apparatus
[NASA-CASE-NPO-10309] c 15 N69-23190
Refrigeration apparatus Patent
[NASA-CASE-XNP-08877] c 15 N71-23025
Stirling cycle engine and refrigeration systems
[NASA-CASE-NPO-13613-1] c 37 N76-29590
Centrifugal-reciprocating compressor
[NASA-CASE-NPO-14597-1] c 37 N79-23431
Centrifugal-reciprocating compressor
[NASA-CASE-NPO-14597-2] c 37 N83-29708
- HIGBY, R. F.**
Electronic background suppression method and apparatus for a field scanning sensor
[NASA-CASE-XGS-05211] c 07 N69-39980
- HIGH, R. W.**
Meteoroid capture cell construction
[NASA-CASE-MSC-12423-1] c 91 N76-30131
- HILBERT, E. E.**
Data multiplexer using tree switching configuration
[NASA-CASE-NPO-11333] c 08 N72-22162
Flexible computer accessed telemetry
[NASA-CASE-NPO-11358] c 07 N72-25172
Space communication system for compressed data with a concatenated Reed-Solomon-Viterbi coding channel
[NASA-CASE-NPO-13545-1] c 32 N77-12240
- HILBORN, E. H.**
Method and means for an improved electron beam scanning system Patent
[NASA-CASE-ERC-10552] c 09 N71-12539
Fluidic-thermochemical display device Patent
[NASA-CASE-ERC-10031] c 12 N71-18603
Plasma fluidic hybrid display Patent
[NASA-CASE-ERC-10100] c 09 N71-33519
- HILDEBRANDT, A. F.**
Helium refining by superfluidity Patent
[NASA-CASE-XNP-00733] c 06 N70-34946
Continuous magnetic flux pump
[NASA-CASE-XNP-01187] c 15 N73-28516
- Superconductive magnetic-field-trapping device
[NASA-CASE-XNP-01185] c 26 N73-28710
Magnetic-flux pump
[NASA-CASE-XNP-01188] c 15 N73-32361
- HILKER, W. R.**
Folding structure fabricated of rigid panels
[NASA-CASE-XHQ-02146] c 18 N75-27040
- HILL, E. K.**
Ultrasonic scanner for radial and flat panels
[NASA-CASE-MFS-20335-1] c 35 N74-10415
- HILL, O. E.**
Burst diaphragm flow initiator Patent
[NASA-CASE-MFS-12915] c 11 N71-17600
Wind tunnel test section
[NASA-CASE-MFS-20509] c 11 N72-17183
- HILL, P. R.**
Heat protection apparatus Patent
[NASA-CASE-XLA-00892] c 33 N71-17897
Kinesthetic control simulator
[NASA-CASE-LAR-10276-1] c 09 N75-15662
- HILL, W. E.**
Sprayable low density ablator and application process
[NASA-CASE-MFS-23506-1] c 24 N78-24290
- HILLBERG, E. T.**
Load relieving device Patent
[NASA-CASE-XMS-06329-1] c 15 N71-20441
- HILLBORN, E. H.**
Color television systems using a single gun color cathode ray tube Patent
[NASA-CASE-ERC-10098] c 09 N71-28618
- HILLIS, D. A.**
Drift compensation circuit for analog to digital converter Patent
[NASA-CASE-XNP-04780] c 08 N71-19687
- HILLMAN, C. E., JR.**
Snap-in compressible biomedical electrode
[NASA-CASE-MSC-14623-1] c 52 N77-28717
- HILLMAN, J. J.**
Thermal compensator for closed-cycle helium refrigerator
[NASA-CASE-GSC-12168-1] c 31 N79-17029
- HILTON, G. E.**
Position location and data collection system and method Patent
[NASA-CASE-GSC-10083-1] c 30 N71-16090
- HIMMELRIGHT, R. M.**
High-temperature, high-pressure spherical segment valve Patent
[NASA-CASE-XAC-00074] c 15 N70-34817
- HINKLEY, E. D., JR.**
Portable laser remote system for methane gas detection
[NASA-CASE-NPO-15790-1] c 36 N83-33137
- HIRAYAMA, C.**
Glass-to-metal seals comprising relatively high expansion metals
[NASA-CASE-LEW-10698-1] c 37 N74-21063
- HIRSHFIELD, S. M.**
Gas liquefaction and dispensing apparatus Patent
[NASA-CASE-NPO-10070] c 15 N71-27372
Novel polymers and method of preparing same
[NASA-CASE-NPO-10998-1] c 06 N73-32029
- HITCHMAN, M. J.**
Automatic real-time pair-feeding system for animals
[NASA-CASE-ARC-10302-1] c 51 N74-15778
- HOBBART, H. F.**
Liquid flow sight assembly Patent
[NASA-CASE-XLE-02998] c 14 N70-42074
- HOBBBS, A. J.**
Method and apparatus for determining the contents of contained gas samples
[NASA-CASE-GSC-10903-1] c 14 N73-12444
- HOBLIN, L. E.**
Unfurlable structure including coiled strips thrust launched upon tension release Patent
[NASA-CASE-HQN-00937] c 07 N71-28979
- HOCHMAIR, E. S.**
Gyrator employing field effect transistors
[NASA-CASE-MFS-21433] c 09 N73-20232
Integrated P-channel MOS gyrator
[NASA-CASE-MFS-22343-1] c 33 N74-34638
Integrable power gyrator
[NASA-CASE-MFS-22342-1] c 33 N75-30428
- HODDER, D. T.**
Apparatus for remote handling of materials
[NASA-CASE-LAR-10634-1] c 37 N74-18123
- HODGE, P. E.**
Corrosion resistant thermal barrier coating
[NASA-CASE-LEW-13088-1] c 26 N81-25188
- HODGES, D. H.**
Hingeless helicopter rotor with improved stability
[NASA-CASE-ARC-10807-1] c 05 N77-17029
- HOFFLER, G. W.**
Apparatus and method for processing Korotkov sounds
[NASA-CASE-MSC-13999-1] c 52 N74-26626

- Logic-controlled occlusive cuff system
[NASA-CASE-MSC-14836-1] c 52 N82-11770
- HOFFMAN, C. A.**
Method for alleviating thermal stress damage in laminates
[NASA-CASE-LEW-12493-1] c 24 N81-17170
Method for alleviating thermal stress damage in laminates
[NASA-CASE-LEW-12493-2] c 24 N81-26179
- HOFFMAN, D. G.**
Light detection instrument Patent
[NASA-CASE-XGS-05534] c 23 N71-16355
- HOFFMAN, E. L.**
Flexible foam erectable space structures Patent
[NASA-CASE-XLA-00686] c 31 N70-34135
- HOFFMAN, H. C.**
Gravity gradient attitude control system Patent
[NASA-CASE-GSC-10555-1] c 21 N71-27324
Active nutation controller
[NASA-CASE-GSC-12273-1] c 35 N80-21719
Method of damping nutation motion with minimum spin axis attitude disturbance
[NASA-CASE-GSC-12551-1] c 18 N83-28064
- HOFFMAN, I. S.**
Impact energy absorber Patent
[NASA-CASE-XLA-01530] c 14 N71-23092
Self-supporting strain transducer
[NASA-CASE-LAR-11263-1] c 35 N75-33369
Miniature biaxial strain transducer
[NASA-CASE-LAR-11648-1] c 35 N77-14407
- HOFFMAN, L. A.**
Compensating bandwidth switching transients in an amplifier circuit Patent
[NASA-CASE-XNP-01107] c 10 N71-28859
- HOFFMAN, T. E.**
Tunable cavity resonator with ramp shaped supports
[NASA-CASE-HQN-10790-1] c 36 N74-11313
- HOHL, F.**
Volumetric direct nuclear pumped laser
[NASA-CASE-LAR-12183-1] c 36 N79-18307
Large volume multiple-path nuclear pumped laser
[NASA-CASE-LAR-12592-1] c 36 N82-13415
A solar pumped laser
[NASA-CASE-LAR-12870-1] c 36 N82-25497
Solar driven liquid metal MHD power generator
[NASA-CASE-LAR-12495-1] c 44 N83-28573
- HOKLO, K. H.**
Welding blades to rotors
[NASA-CASE-LEW-10533-1] c 15 N73-28515
- HOLDEMAN, L. B.**
Microwave integrated circuit for Josephson voltage standards
[NASA-CASE-MFS-23845-1] c 33 N81-17348
- HOLDEN, G. R.**
Balanced bellows spirometer
[NASA-CASE-XAR-01547] c 05 N69-21473
- HOLDERER, O. C.**
Electric arc driven wind tunnel Patent
[NASA-CASE-XMF-00411] c 11 N70-36913
- HOLDERMAN, L. B.**
Germanium coated microbridge and method
[NASA-CASE-MFS-23274-1] c 33 N78-13320
- HOLDREN, R. T., III**
Radar calibration sphere
[NASA-CASE-XLA-11154] c 07 N72-21117
- HOLDS, J. K.**
Digital second-order phase-locked loop
[NASA-CASE-NPO-11905-1] c 33 N74-12887
- HOLESKI, D. E.**
Apparatus for absorbing and measuring power Patent
[NASA-CASE-XLE-00720] c 14 N70-40201
- HOLKO, K. H.**
Enhanced diffusion welding
[NASA-CASE-LEW-11388-1] c 15 N73-32358
Apparatus for welding blades to rotors
[NASA-CASE-LEW-10533-2] c 37 N74-11300
Diffusion welding in air
[NASA-CASE-LEW-11387-1] c 37 N74-18128
Diffusion welding
[NASA-CASE-LEW-11388-2] c 37 N74-21055
- HOLLAHAN, J. R.**
Method of preparing water purification membranes
[NASA-CASE-ARC-10643-1] c 25 N75-12087
- HOLLAND, L. R.**
Apparatus and method for heating a material in a transparent ampoule
[NASA-CASE-MFS-25436-1] c 27 N83-36220
- HOLLAND, V. B.**
Signal conditioning circuit apparatus
[NASA-CASE-ARC-10348-1] c 33 N75-19518
- HOLLANDER, J.**
Polyurethanes of fluorine containing polycarbonates
[NASA-CASE-MFS-10512] c 06 N73-30099
Highly fluorinated polymers
[NASA-CASE-MFS-11492] c 06 N73-30102
- HOLLANHAN, J. R., JR.**
Oxygen post-treatment of plastic surface coated with plasma polymerized silicon-containing monomers
[NASA-CASE-ARC-10915-2] c 27 N79-18052
- HOLLEMAN, E. C.**
Three axis controller Patent
[NASA-CASE-XFR-00181] c 21 N70-33279
- HOLLENBAUGH, R. C.**
Position location system and method Patent
[NASA-CASE-GSC-10087-2] c 21 N71-13958
Position location and data collection system and method Patent
[NASA-CASE-GSC-10083-1] c 30 N71-16090
Traffic control system and method Patent
[NASA-CASE-GSC-10087-1] c 02 N71-19287
Position location system and method
[NASA-CASE-GSC-10087-3] c 07 N72-12080
Doppler compensation by shifting transmitted object frequency within limits
[NASA-CASE-GSC-10087-4] c 07 N73-20174
- HOLLEY, L. D.**
Automatic lightning detection and photographic system
[NASA-CASE-KSC-10728-1] c 14 N73-32319
Microcomputerized electric field meter diagnostic and calibration system
[NASA-CASE-KSC-11035-1] c 35 N78-28411
Digital automatic gain amplifier
[NASA-CASE-KSC-11008-1] c 33 N79-22373
- HOLLIDAY, M. L.**
Precision alignment apparatus for cutting a workpiece
[NASA-CASE-LAR-11658-1] c 37 N77-14478
- HOLLIDAY, R. J.**
Method of making macrocrystalline or single crystal semiconductive material and products produced thereby
[NASA-CASE-NPO-15904-1] c 76 N83-21993
- HOLLIS, B. R., JR.**
Multilevel metallization method for fabricating a metal oxide semiconductor device
[NASA-CASE-MFS-23541-1] c 76 N79-14906
Method of construction of a multi-cell solar array
[NASA-CASE-MFS-23540-1] c 44 N79-26475
Liquid immersion apparatus for minute articles
[NASA-CASE-MFS-25363-1] c 37 N82-12441
- HOLLOW, R. H.**
Thumb actuated two axis controller
[NASA-CASE-ARC-11372-1] c 08 N83-12098
- HOLMAN, E. V.**
Latching mechanism Patent
[NASA-CASE-XMS-03745] c 15 N71-21076
- HOLMES, B. K.**
Inflatable transpiration cooled nozzle
[NASA-CASE-MFS-20619] c 28 N72-11708
- HOLMES, H. K.**
Velocity limiting safety system Patent
[NASA-CASE-XLA-07473] c 15 N71-24895
- HOLMES, J. F.**
Oceanic wave measurement system
[NASA-CASE-MFS-23862-1] c 48 N80-18667
- HOLMES, L. JR.**
Ruler for making navigational computations
[NASA-CASE-XNP-01458] c 04 N78-17031
- HOLMES, M.**
Wind and solar powered turbine
[NASA-CASE-NPO-15496-1] c 44 N82-28784
- HOLMES, R. F.**
Catalyst cartridge for carbon dioxide reduction unit
[NASA-CASE-LAR-10551-1] c 25 N74-12813
Heat exchanger
[NASA-CASE-MFS-22991-1] c 34 N77-10463
- HOLMES, S. J.**
Ultraviolet filter
[NASA-CASE-XNP-02340] c 23 N69-24332
- HOLMES, T. H.**
Vibration damping system Patent
[NASA-CASE-XMS-01620] c 23 N71-15673
- HOLMES, W. T.**
Lifting body Patent Application
[NASA-CASE-FRC-10063] c 01 N71-12217
- HOLMSTROM, F. R.**
Shielded cathode mode bulk effect devices
[NASA-CASE-ERC-10119] c 26 N72-21701
- HOLWACH, J.**
Sound-suppressing structure with thermal relief
[NASA-CASE-LEW-12658-1] c 71 N79-14871
- HOLT, H. M.**
Transient-compensated SCR inverter
[NASA-CASE-XLA-08507] c 09 N69-39984
SCR blocking pulse gate amplifier Patent
[NASA-CASE-XLA-07497] c 09 N71-12514
- HOLT, J. W.**
Attachment system for silica tiles
[NASA-CASE-MSC-18741-1] c 27 N82-29456
Method for repair of thin glass coatings
[NASA-CASE-KSC-11097-1] c 27 N82-33520
- HOLT, N. I.**
Scan converting video tape recorder
[NASA-CASE-NPO-10166-1] c 07 N73-22076
Scan converting video tape recorder
[NASA-CASE-NPO-10166-2] c 35 N76-16391
Electromagnetic transducer recording head having a laminated core section and tapered gap
[NASA-CASE-NPO-10711-1] c 35 N77-21392
- HOLTZE, R. F.**
Coating process
[NASA-CASE-XNP-06508] c 18 N69-39895
- HOLWAY, H. P.**
Model launcher for wind tunnels Patent
[NASA-CASE-XNP-03578] c 11 N71-23030
Mobile sampler for use in acquiring samples of terrestrial atmospheric gases
[NASA-CASE-NPO-15220-1] c 45 N83-25217
- HOMKES, R. J.**
Multiparameter vision testing apparatus
[NASA-CASE-MSC-13601-2] c 54 N75-27759
- HONEY, R. W.**
Optimum predetection diversity receiving system Patent
[NASA-CASE-XGS-00740] c 07 N71-23098
- HONEYCUTT, L. III**
Thermal shock and erosion resistant tantalum carbide ceramic material
[NASA-CASE-LAR-11902-1] c 27 N78-17206
- HONG, J. P.**
Real time analysis of voiced sounds
[NASA-CASE-NPO-13465-1] c 32 N76-31372
System and method for character recognition
[NASA-CASE-NPO-11337-1] c 74 N81-19896
- HONG, S. D.**
Double-beam optical method and apparatus for measuring thermal diffusivity and other molecular dynamic processes in utilizing the transient thermal lens effect
[NASA-CASE-NPO-14657-1] c 74 N81-17887
Broadband optical radiation detector
[US-PATENT-4,262,198] c 74 N83-19597
- HONNELL, M. A.**
Automatic frequency control for FM transmitter
[NASA-CASE-MFS-21540-1] c 32 N74-19790
Isolated output system for a class D switching-mode amplifier
[NASA-CASE-MFS-21616-1] c 33 N75-30429
Frequency modulated oscillator
[NASA-CASE-MFS-23181-1] c 33 N77-17351
- HOOD, R. T.**
Hall current measuring apparatus having a series resistor for temperature compensation Patent
[NASA-CASE-XAC-01682] c 14 N71-23037
- HOOD, W. R.**
Detection of the transitional layer between laminar and turbulent flow areas on a wing surface
[NASA-CASE-LAR-12261-1] c 02 N80-20224
- HOOP, J. M.**
Method and apparatus for nondestructive testing
[NASA-CASE-MFS-21233-1] c 38 N74-15395
Ultrasonic bone densitometer
[NASA-CASE-MFS-20994-1] c 35 N75-12271
- HOOPER, C. D.**
Extensometer Patent
[NASA-CASE-XMF-04680] c 15 N71-19489
- HOOPER, S. L.**
Self-charging metering and dispensing device for fluids
[NASA-CASE-MSC-20275-1] c 35 N83-17856
- HOOPER, R. B.**
Collimator of multiple plates with axially aligned identical random arrays of apertures
[NASA-CASE-MFS-20546-2] c 14 N73-30389
Automatic lightning detection and photographic system
[NASA-CASE-KSC-10728-1] c 14 N73-32319
Three mirror glancing incidence system for X-ray telescope
[NASA-CASE-MFS-21372-1] c 74 N74-27866
Multiplate focusing collimator
[NASA-CASE-MFS-20932-1] c 35 N75-19616
Method for retarding dye fading during archival storage of developed color photographic film
[NASA-CASE-MFS-23250-1] c 35 N82-11432
Extended range X-ray telescope
[NASA-CASE-MFS-25282-1] c 34 N83-19015
- HOOPER, R. J.**
Extrusion die for refractory metals Patent
[NASA-CASE-XLE-06773] c 15 N71-23817
- HOPKINS, P. M.**
Differential phase shift keyed communication system
[NASA-CASE-MSC-14065-1] c 32 N74-26654
Differential phase shift keyed signal resolver
[NASA-CASE-MSC-14066-1] c 33 N74-27705
Apparatus and method for stabilized phase detection for binary signal tracking loops
[NASA-CASE-MSC-16461-1] c 33 N79-11313

- HOPKINS, V.**
Inorganic solid film lubricants Patent
[NASA-CASE-XMF-03988] c 15 N71-21403
- HOPPER, J. H.**
Thermal garment
[NASA-CASE-XMS-03694-1] c 54 N82-29002
- HOPPING, R. L.**
Landing gear Patent
[NASA-CASE-XMF-01174] c 02 N70-41589
- HORNE, W. B.**
Aircraft wheel spray drag alleviator Patent
[NASA-CASE-XLA-01583] c 02 N70-36825
- HORNER, J. L.**
Optical noise suppression device and method
[NASA-CASE-MSC-12640-1] c 74 N76-31998
- HORTON, D. B.**
Instrument support with precise lateral adjustment Patent
[NASA-CASE-XMF-00480] c 14 N70-39898
- HORTON, J. C.**
Method of making impurity-type semiconductor electrical contacts Patent
[NASA-CASE-XMF-01016] c 26 N71-17818
- HORTTOR, R. L.**
Method and apparatus for mapping planets
[NASA-CASE-NPO-11001] c 07 N72-21118
- HOSENTHIEHN, H. H.**
Adaptive tracking notch filter system Patent
[NASA-CASE-XMF-01892] c 10 N71-22986
- HOTZ, G. M.**
Soil penetrometer
[NASA-CASE-XNP-05530] c 14 N73-32321
Burrowing apparatus
[NASA-CASE-XNP-07169] c 15 N73-32362
- HOUCK, W. H.**
Voltage dropout sensor Patent
[NASA-CASE-KSC-10020] c 10 N71-27338
Ripple indicator
[NASA-CASE-KSC-10162] c 09 N72-11225
Signal conditioner test set
[NASA-CASE-KSC-10750-1] c 35 N75-12270
- HOUSEMAN, J.**
Hydrogen rich gas generator
[NASA-CASE-NPO-13342-1] c 37 N76-16446
Hydrogen-rich gas generator
[NASA-CASE-NPO-13464-1] c 44 N76-18642
Hydrogen rich gas generator
[NASA-CASE-NPO-13342-2] c 44 N76-29700
Hydrogen rich gas generator
[NASA-CASE-NPO-13464-2] c 44 N76-29704
Hydrogen-rich gas generator
[NASA-CASE-NPO-13560-1] c 44 N77-10636
Combustion engine
[NASA-CASE-NPO-13671-1] c 37 N77-31497
Start up system for hydrogen generator used with an internal combustion engine
[NASA-CASE-NPO-13849-1] c 28 N80-10374
Combustion engine system
[NASA-CASE-NPO-14565-2] c 25 N83-19826
- HOWARD, E. A.**
Soil penetrometer
[NASA-CASE-XNP-05530] c 14 N73-32321
Burrowing apparatus
[NASA-CASE-XNP-07169] c 15 N73-32362
- HOWARD, F. S.**
Zero gravity shadow shield aligner
[NASA-CASE-KSC-10622-1] c 31 N72-21893
Geysering inhibitor for vertical cryogenic transfer pipe
[NASA-CASE-KSC-10615] c 15 N73-12486
Floating baffle to improve efficiency of liquid transfer from tanks
[NASA-CASE-KSC-10639] c 15 N73-26472
Zero gravity liquid transfer screen
[NASA-CASE-KSC-10626] c 14 N73-27378
- HOWARD, J. C.**
Means for suppressing or attenuating bending motion of elastic bodies Patent
[NASA-CASE-XAC-05632] c 32 N71-23971
G-load measuring and indicator apparatus
[NASA-CASE-ARC-10806] c 06 N74-27872
G-load measuring and indicator apparatus
[NASA-CASE-ARC-10806-1] c 35 N75-29381
- HOWARD, P. W.**
Apparatus for reducing aerodynamic noise in a wind tunnel
[NASA-CASE-MFS-23099-1] c 09 N78-23273
- HOWARD, W. D.**
Method and device for detecting voids in low density material Patent
[NASA-CASE-MFS-20044] c 14 N71-28993
- HOWARD, W. H.**
Skeletal stressing method and apparatus Patent
[NASA-CASE-ARC-10100-1] c 05 N71-24738
Programmable physiological infusion
[NASA-CASE-ARC-10447-1] c 52 N74-22771
- Tread drum for animals
[NASA-CASE-ARC-10917-1] c 51 N78-27733
- HOWARTH, J. T.**
Non-flammable elastomeric fiber from a fluorinated elastomer and containing an halogenated flame retardant
[NASA-CASE-MSC-14331-1] c 27 N76-24405
Flame retardant spandex type polyurethanes
[NASA-CASE-MSC-14331-2] c 27 N78-17213
Process for spinning flame retardant elastomeric compositions
[NASA-CASE-MSC-14331-3] c 27 N78-32262
- HOWE, R. D.**
Ozonation of cooling tower waters
[NASA-CASE-NPO-14340-1] c 45 N80-14579
- HOWE, T. L.**
Strain gauge ambiguity sensor for segmented mirror active optical system
[NASA-CASE-MFS-20506-1] c 35 N75-12273
- HOWELL, J. R.**
Device for directionally controlling electromagnetic radiation Patent
[NASA-CASE-XLE-01716] c 09 N70-40234
- HOWELL, W. E.**
Fringe counter for interferometers Patent
[NASA-CASE-LAR-10204] c 14 N71-27215
Star image motion compensator
[NASA-CASE-LAR-10523-1] c 14 N72-22444
Heads up display
[NASA-CASE-LAR-12630-1] c 06 N82-29319
- HOWELL, W. L.**
Fluid thrust control system
[NASA-CASE-XMF-05964-1] c 20 N79-21124
- HOWLAND, B. T.**
High pressure air valve Patent
[NASA-CASE-MSC-11010] c 15 N71-19485
- HOYT, H. E.**
Process of treating cellulosic membrane and alkaline with membrane separator
[NASA-CASE-GSC-10019-1] c 44 N82-24641
Separator for alkaline batteries and method of making same
[NASA-CASE-GSC-10350-1] c 44 N82-24642
Separator for alkaline electric cells and method of making
[NASA-CASE-GSC-10017-1] c 44 N82-24643
Separator for alkaline electric batteries and method of making
[NASA-CASE-GSC-10018-1] c 44 N82-24644
Alkaline electrochemical cells and method of making
[NASA-CASE-GSC-10349-1] c 44 N82-24645
Aqueous alkali metal hydroxide insoluble cellulose ether membrane
[NASA-CASE-XGS-05584-1] c 25 N82-29370
- HOYT, R. F.**
In situ transfer standard for ultrahigh vacuum gage calibration
[NASA-CASE-LAR-10862-1] c 35 N74-15092
- HRACH, F. J.**
Capacitor and method of making same Patent
[NASA-CASE-LEW-10364-1] c 09 N71-13522
- HRASTAR, J. A., SR.**
Apparatus for and method of compensating dynamic unbalance
[NASA-CASE-GSC-12550-1] c 37 N81-22358
- HRON, R. L.**
Load current sensor for a series pulse width modulated power supply
[NASA-CASE-GSC-10656-1] c 09 N72-25249
- HRUBY, R. J.**
Microwave flaw detector Patent
[NASA-CASE-ARC-10009-1] c 15 N71-17822
Transient video signal recording with expanded playback
[NASA-CASE-ARC-10003-1] c 09 N71-25866
Method and apparatus for swept-frequency impedance measurements of welds
[NASA-CASE-ARC-10176-1] c 15 N72-21464
Coaxial inverted geometry transistor having buried emitter
[NASA-CASE-ARC-10330-1] c 09 N73-32112
Twin-capacitive shaft angle encoder with analog output signal
[NASA-CASE-ARC-10897-1] c 33 N77-31404
- HRYNIEWIECKI, E.**
Vehicle for use in planetary exploration
[NASA-CASE-NPO-11366] c 11 N73-26238
- HSU, G. C.**
Aldehyde-containing urea-absorbing polysaccharides
[NASA-CASE-NPO-13620-1] c 27 N77-30236
Coal desulfurization process
[NASA-CASE-NPO-13937-1] c 44 N78-31527
Surfactant-assisted liquefaction of particulate carbonaceous substances
[NASA-CASE-NPO-13904-1] c 25 N79-11152
- Coal desulfurization
[NASA-CASE-NPO-14272-1] c 25 N81-33246
Crude oil desulfurization
[NASA-CASE-NPO-14542-1] c 25 N82-23282
- HSU, L. C.**
Trimerization of aromatic nitriles
[NASA-CASE-LEW-12053-1] c 27 N78-15276
In situ self cross-linking of polyvinyl alcohol battery separators
[NASA-CASE-LEW-12972-1] c 44 N79-25481
Catalytic trimerization of aromatic nitriles and triaryl-s-triazine ring cross-linked high temperature resistant polymers and copolymers made thereby
[NASA-CASE-LEW-12053-2] c 27 N79-28307
Method of cross-linking polyvinyl alcohol and other water soluble resins
[NASA-CASE-LEW-13103-1] c 27 N80-32516
In-situ cross linking of polyvinyl alcohol
[NASA-CASE-LEW-13135-2] c 27 N81-24257
Polyvinyl alcohol battery separator containing inert filler
[NASA-CASE-LEW-13556-1] c 44 N81-27615
Cross-linked polyvinyl alcohol and method of making same
[NASA-CASE-LEW-13101-2] c 23 N81-29160
Alkaline battery containing a separator of a cross-linked copolymer of vinyl alcohol and unsaturated carboxylic acid
[NASA-CASE-LEW-13102-1] c 44 N81-29531
Polyvinyl alcohol cross-linked with two aldehydes
[NASA-CASE-LEW-13504-1] c 25 N83-13188
Polyvinyl alcohol battery separator containing inert filler
[NASA-CASE-LEW-13556-2] c 44 N83-29805
- HSU, Y.-Y.**
Slug flow magnetohydrodynamic generator
[NASA-CASE-XLE-02083] c 03 N69-39983
- HUANG, H. C.**
Microwave field effect transistor
[NASA-CASE-GSC-12442-1] c 33 N82-20398
- HUANG, M. Y.**
Self-calibrating threshold detector
[NASA-CASE-MSC-16370-1] c 35 N81-19427
- HUBBARD, W. P.**
Digital demodulator-correlator
[NASA-CASE-NPO-13982-1] c 32 N79-14267
- HUBER, C. S.**
Modification of the physical properties of freeze-dried rice
[NASA-CASE-MSC-13540-1] c 05 N72-33096
- HUBER, R. F.**
Compensating linkage for main rotor control
[NASA-CASE-LAR-11797-1] c 05 N81-19087
- HUBER, W. C.**
Hand-held self-maneuvering unit Patent
[NASA-CASE-XMS-05304] c 05 N71-12336
Inflatable tether Patent
[NASA-CASE-XMS-10993] c 15 N71-28936
Foldable construction block
[NASA-CASE-MSC-12233-1] c 15 N72-25454
Foldable construction block
[NASA-CASE-MSC-12233-2] c 32 N73-13921
Fluid valve assembly
[NASA-CASE-MSC-12731-1] c 37 N78-25426
- HUDGINS, J. L.**
Coal-shale interface detection system
[NASA-CASE-MFS-23720-2] c 43 N80-14423
Apparatus for sequentially transporting containers
[NASA-CASE-MFS-23846-1] c 37 N82-32731
- HUDIS, M.**
Preparation of dielectric coating of variable dielectric constant by plasma polymerization
[NASA-CASE-ARC-10892-2] c 27 N79-14214
- HUDOCK, R. J.**
Reference apparatus for medical ultrasonic transducer
[NASA-CASE-ARC-10753-1] c 54 N75-27760
- HUDSON, O. K.**
Gravimeter Patent
[NASA-CASE-XMF-05844] c 14 N71-17587
- HUDSPETH, T.**
Phase demodulation system with two phase locked loops Patent
[NASA-CASE-XNP-00777] c 10 N71-19469
- HUELSMAN, L. P.**
RC networks and amplifiers employing the same
[NASA-CASE-XAC-05462-2] c 10 N72-17171
- HUEY, D. C.**
Digital numerically controlled oscillator
[NASA-CASE-MSC-16747-1] c 33 N81-17349
- HUFF, R. G.**
Apparatus for sensing temperature
[NASA-CASE-XLE-05230] c 14 N72-27410
Method of making apparatus for sensing temperature
[NASA-CASE-XLE-05230-2] c 14 N73-13417
Jet exhaust noise suppressor
[NASA-CASE-LEW-11286-1] c 07 N74-27490

HUFFAKER, R. M.

- Laser Doppler system for measuring three dimensional vector velocity Patent
[NASA-CASE-MFS-20386] c 21 N71-19212
- Clear air turbulence detector
[NASA-CASE-MFS-21244-1] c 36 N75-15028
- Focused laser Doppler velocimeter
[NASA-CASE-MFS-23178-1] c 35 N77-10493
- Wind measurement system
[NASA-CASE-MFS-23362-1] c 47 N77-10753
- HUGHES, C. T.**
Solid state television camera system Patent
[NASA-CASE-XMF-06092] c 07 N71-24612
- HUGHES, B. C.**
Air bearing Patent
[NASA-CASE-XMF-00339] c 15 N70-39896
- HUGHES, C. T.**
Method for forming pyrrone molding powders and products of said method
[NASA-CASE-LAR-10423-1] c 23 N82-29358
- HUGHES, D. B.**
Fast scan control for deflection type mass spectrometers
[NASA-CASE-LAR-11428-1] c 35 N74-34857
- HUGHES, F. M.**
Meteoroid detector
[NASA-CASE-LAR-10483-1] c 14 N73-32327
- HULL, R. A.**
Moving body velocity arresting line
[NASA-CASE-LAR-12372-1] c 37 N82-18601
- MULT, T. D.**
Articulated joint for deployable structures
[NASA-CASE-NPO-16038-1] c 37 N83-20157
- HUMBERT, J. E.**
Automatic real-time pair-feeding system for animals
[NASA-CASE-ARC-10302-1] c 51 N74-15778
- HUMENIK, F. M.**
Gas turbine combustor Patent
[NASA-CASE-LEW-10286-1] c 28 N71-28915
- HUMES, D. H.**
Impact measuring technique
[NASA-CASE-LAR-10913] c 14 N72-16282
- HUMMER, R. F.**
Scanner
[NASA-CASE-GSC-12032-2] c 43 N82-13465
- HUMPHREY, M. F.**
Process for purification of waste water produced by a Kraft process pulp and paper mill
[NASA-CASE-NPO-13847-2] c 85 N79-17747
- Ozonation of cooling tower waters
[NASA-CASE-NPO-14340-1] c 45 N80-14579
- Mixed polyvalent-monovalent metal coating for carbon-graphite fibers
[NASA-CASE-NPO-14987-1] c 24 N83-33950
- HUNEDI, F.**
Device for determining frost depth and density
[NASA-CASE-MFS-25754-1] c 31 N82-26503
- HUNGERFORD, W. J.**
Conforming polisher for asphenc surface of revolution Patent
[NASA-CASE-XGS-02884] c 15 N71-22705
- HUNKELER, R. E.**
Foamed in place ceramic refractory insulating material Patent
[NASA-CASE-XGS-02435] c 18 N71-22998
- HUNT, G. H.**
System for the measurement of ultra-low stray light levels
[NASA-CASE-MFS-23513-1] c 74 N79-11865
- HUNT, J. G.**
Extrusion can
[NASA-CASE-NPO-10812] c 15 N73-13464
- HUNT, J. L.**
Hypersonic airbreathing missile
[NASA-CASE-LAR-12264-1] c 15 N78-32168
- HUNT, S. R., JR.**
Multiparameter vision testing apparatus
[NASA-CASE-MSC-13601-2] c 54 N75-27759
- HUNTER, R. E.**
Method and apparatus for neutralizing potentials induced on spacecraft surfaces
[NASA-CASE-GSC-11983-1] c 33 N77-10429
- HUNTRESS, W. T.**
Ion and electron detector for use in an ICR spectrometer
[NASA-CASE-NPO-13479-1] c 35 N77-10492
- HUNTRESS, W. T., JR.**
Miniature cyclotron resonance ion source using small permanent magnet
[NASA-CASE-NPO-14324-1] c 72 N80-27163
- HURD, W. A.**
System for the measurement of ultra-low stray light levels
[NASA-CASE-MFS-23513-1] c 74 N79-11865

HURD, W. J.

- Digital filter for reducing sampling jitter in digital control systems Patent
[NASA-CASE-NPO-11088] c 08 N71-29034
- Transition tracking bit synchronization system
[NASA-CASE-NPO-10844] c 07 N72-20140
- Digital quasi-exponential function generator
[NASA-CASE-NPO-11130] c 08 N72-20176
- Code regenerative clean-up loop transponder for a mu-type ranging system
[NASA-CASE-NPO-11707] c 07 N73-25161
- HURSTA, W. N.**
Logic-controlled occlusive cuff system
[NASA-CASE-MSC-14836-1] c 52 N82-11770
- HURWITZ, F. I.**
Method and apparatus for gripping uniaxial fibrous composite materials
[NASA-CASE-LEW-13758-1] c 24 N83-12176
- HUSAIN-ABIDI, A. S.**
Optical data processing using paraboloidal mirror segments
[NASA-CASE-GSC-11296-1] c 23 N73-30666
- HUSCHKE, E. G., JR.**
Method of joining aluminum to stainless steel Patent
[NASA-CASE-MFS-07369] c 15 N71-20443
- Brazing alloy composition
[NASA-CASE-XMF-06053] c 26 N75-27126
- Brazing alloy
[NASA-CASE-NXP-03878] c 26 N75-27127
- HUSMANN, O. K.**
Multilayer porous ionizer Patent
[NASA-CASE-NXP-04338] c 17 N71-23046
- HUSSEY, M. W.**
Filter regeneration systems
[NASA-CASE-MSC-14273-1] c 34 N75-33342
- HUTCHINSON, W. D.**
Manually actuated heat pump
[NASA-CASE-NPO-10677] c 05 N72-11084
- HUTCHISON, J. J.**
Trifunctional alcohol
[NASA-CASE-NPO-10714] c 06 N69-31244
- Novel polycarboxylic prepolymer materials and polymers thereof Patent
[NASA-CASE-NPO-10596] c 06 N71-25929
- HUTTO, R. J.**
Radiation sensitive solid state switch
[NASA-CASE-NPO-10817-1] c 08 N73-30135
- HYMER, R. L.**
Audio signal processor Patent
[NASA-CASE-MSC-12223-1] c 07 N71-26181
- I-LECHAO, J.**
Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-1] c 54 N76-22914
- IANNINI, A. A.**
Pressure sensitive transducers Patent
[NASA-CASE-ERC-10087] c 14 N71-27334
- Semiconductor transducer device
[NASA-CASE-ERC-10087-2] c 14 N72-31446
- IANNONE, M.**
Preparation of heterocyclic block copolymer omega-diamidoximes
[NASA-CASE-ARC-11060-1] c 27 N79-22300
- ICELAND, W. F.**
Gran refinement control in TIG arc welding
[NASA-CASE-MSC-19095-1] c 37 N75-19683
- IDEN, R. B.**
Method for determining presence of OH in magnesium oxide
[NASA-CASE-NPO-10774] c 06 N72-17095
- IGENBERGS, E. B.**
Self-energized plasma compressor
[NASA-CASE-MFS-22145-1] c 75 N75-13625
- Two stage light gas-plasma projectile accelerator
[NASA-CASE-MFS-22287-1] c 75 N76-14931
- Self-energized plasma compressor
[NASA-CASE-MFS-22145-2] c 75 N76-17951
- IGOE, W. B.**
Dynamic vibration absorber Patent
[NASA-CASE-LAR-10083-1] c 15 N71-27006
- ILES, P. A.**
Method for producing a solar cell having an integral protective covering
[NASA-CASE-XGS-04531] c 03 N69-24267
- Method of coating solar cell with borosilicate glass and resultant product
[NASA-CASE-GSC-11514-1] c 03 N72-24037
- ILLG, W.**
Hydraulic gnp Patent
[NASA-CASE-XLA-05100] c 15 N71-17696
- Light shield and infrared reflector for fatigue testing Patent
[NASA-CASE-XLA-01782] c 14 N71-26136

IMBOLDI, E.

- Tracking receiver Patent
[NASA-CASE-XGS-08679] c 10 N71-21473
- IMIG, L. A.**
Anti-buckling fatigue test assembly
[NASA-CASE-LAR-10426-1] c 09 N74-19528
- Fatigue failure load indicator
[NASA-CASE-LAR-12027-1] c 39 N79-22537
- Heating and cooling system
[NASA-CASE-LAR-12393-1] c 34 N83-34221
- IMLAY, E. H.**
Binary to binary-coded-decimal converter Patent
[NASA-CASE-NXP-00432] c 08 N70-35423
- INGE, S. V., JR.**
Vertical shaft windmill
[NASA-CASE-LAR-12923-1] c 44 N82-29713
- INGHAM, J. D.**
Dual membrane hollow fiber fuel cell and method of operating same
[NASA-CASE-NPO-13732-1] c 44 N79-10513
- Curable liquid hydrocarbon prepolymers containing hydroxyl groups and process for producing same
[NASA-CASE-NPO-13137-1] c 27 N80-32514
- Prepolymer dianhydrides
[NASA-CASE-NPO-13899-1] c 27 N80-32515
- Sewage sludge additive
[NASA-CASE-NPO-13877-1] c 45 N82-11634
- Elastomer coated filler and composites thereof comprising at least 60% by weight of a hydrated filler and an elastomer containing an acid substituent
[NASA-CASE-NPO-14857-1] c 27 N83-19900
- INGHAM, K. T.**
Locking device for turbine rotor blades Patent
[NASA-CASE-NXP-00816] c 28 N71-28928
- INGLE, W. M.**
Method of purifying metallurgical grade silicon employing reduced pressure atmospheric control
[NASA-CASE-NPO-14474-1] c 26 N80-14229
- Quartz ball valve
[NASA-CASE-NPO-14473-1] c 37 N80-23654
- IRICK, S. C.**
Ejectable underwater sound source recovery assembly
[NASA-CASE-LAR-10595-1] c 35 N74-16135
- Hydraulic actuator mechanism to control aircraft spoiler movements through dual input commands
[NASA-CASE-LAR-12412-1] c 08 N82-24205
- Continuous self-locking spiral wound seal
[NASA-CASE-LAR-12315-1] c 37 N82-24490
- IRONS, A. S.**
Heat sterilizable patient ventilator
[NASA-CASE-NPO-13313-1] c 54 N75-27761
- IRWIN, A. S.**
Drilled ball bearing with a one piece anti-tipping cage assembly
[NASA-CASE-LEW-11925-1] c 37 N75-31446
- IRWIN, K. S.**
Controlled visibility device for an aircraft Patent
[NASA-CASE-XFR-04147] c 11 N71-10748
- IRWIN, T. P.**
Leading edge protection for composite blades
[NASA-CASE-LEW-12550-1] c 24 N77-19170
- ISLEY, W. C.**
Heated porous plug microthruster
[NASA-CASE-GSC-10640-1] c 28 N72-18766
- ITO, T. I.**
Preparation of perfluorinated imidoylamidoximes
[NASA-CASE-ARC-11267-1] c 23 N80-26386
- Preparation of perfluorinated 1,2,4-oxadiazoles
[NASA-CASE-ARC-11267-2] c 23 N82-28353
- IVES, R. E.**
Computerized system for translating a torch head
[NASA-CASE-MFS-23620-1] c 37 N79-10421
- IVIE, C. V.**
Multi-channel rotating optical interface for data transmission
[NASA-CASE-NPO-14066-1] c 74 N79-34011
- IWASAKI, N.**
Control device Patent
[NASA-CASE-XAC-10019] c 15 N71-23809
- IWASAKI, R. S.**
Electromagnetic power absorber
[NASA-CASE-NPO-13830-1] c 32 N80-14281

J
JACK, J. R.

- Electro-thermal rocket Patent
[NASA-CASE-XLE-00267] c 28 N70-33356
- Electrothermal rockets having improved heat exchangers Patent
[NASA-CASE-XLE-01783] c 28 N70-34175
- JACKSON, C. M., JR.**
Wind tunnel model and method
[NASA-CASE-LAR-10812-1] c 09 N74-17955

- Metric half-span model support system
[NASA-CASE-LAR-12441-1] c 09 N82-23254
- JACKSON, J., JR.**
Imaging X-ray spectrometer
[NASA-CASE-GSC-12682-1] c 35 N82-26629
- JACKSON, K. R.**
Optical alignment system Patent
[NASA-CASE-XNP-02029] c 14 N70-41955
- JACKSON, L. R.**
Techniques for insulating cryogenic fuel containers
Patent
[NASA-CASE-XLA-01967] c 31 N70-42015
Onbiter/launch system
[NASA-CASE-LAR-12250-1] c 14 N81-26161
Multitwall thermal protection system
[NASA-CASE-LAR-12620-1] c 24 N82-32417
Pumped vortex
[NASA-CASE-LAR-12615-1] c 02 N83-19715
Curved cap corrugated sheet
[NASA-CASE-LAR-12884-1] c 31 N83-29446
Daze fasteners
[NASA-CASE-LAR-13009-1] c 37 N83-29706
- JACKSON, M. R.**
Directionally solidified eutectic gamma plus beta
nickel-base superalloys
[NASA-CASE-LEW-12906-1] c 26 N77-32279
Directionally solidified eutectic gamma-gamma
nickel-base superalloys
[NASA-CASE-LEW-12905-1] c 26 N78-18183
- JACOB, D. S.**
Pressure modulating valve
[NASA-CASE-MSC-14905-1] c 37 N77-28487
- JACOBI, N.**
Acoustic levitation methods and apparatus
[NASA-CASE-NPO-15562-1] c 71 N82-27086
Acoustic particle separation
[NASA-CASE-NPO-15559-1] c 71 N82-29112
Acoustic system for material transport
[NASA-CASE-NPO-15453-1] c 71 N83-32515
- JACOBS, I. M.**
Data compression system
[NASA-CASE-XNP-09785] c 08 N69-21928
- JACOBS, J. M.**
Biocontamination and particulate detection system
[NASA-CASE-NPO-13953-1] c 35 N79-28527
- JACOBS, R. B.**
Densitometer Patent
[NASA-CASE-XLE-00688] c 14 N70-41330
- JACOBS, V. L.**
Passive propellant system
[NASA-CASE-MFS-23642-2] c 20 N78-27176
Passive propellant system
[NASA-CASE-MFS-23642-1] c 20 N80-10278
- JACOBSON, D. S.**
Hermetically sealed semiconductor
[NASA-CASE-GSC-10791-1] c 15 N73-14469
- JAGOW, R. B.**
Process of forming catalytic surfaces for wet oxidation
reactions
[NASA-CASE-MSC-14831-1] c 25 N78-10225
- JAIN, A.**
Surface roughness measuring system
[NASA-CASE-NPO-13862-1] c 35 N79-10391
Multibeam single frequency synthetic aperture radar
processor for imaging separate range swaths
[NASA-CASE-NPO-14525-1] c 32 N79-19195
Method and apparatus for Delta K synthetic aperture
radar measurement of ocean current
[NASA-CASE-NPO-15704-1] c 32 N82-28502
Clutter free synthetic aperture radar correlator
[NASA-CASE-NPO-14035-1] c 32 N83-19968
Multibeam single frequency synthetic aperture radar
processor for imaging separate range swaths
[NASA-CASE-NPO-14525-2] c 32 N83-31918
- JAKSTYS, V. J.**
Composite antenna feed
[NASA-CASE-GSC-11046-1] c 07 N73-28013
- JALAN, V.**
Improved chromium electrodes for REDOX cells
[NASA-CASE-LEW-13653-1] c 44 N82-22672
- JALINK, A., JR.**
Method for improving the signal-to-noise ratio of the
Wheatstone bridge type bolometer Patent
[NASA-CASE-XLA-02810] c 14 N71-25901
Infrared horizon locator
[NASA-CASE-LAR-10726-1] c 14 N73-20475
- JALUFKA, N. W.**
Volumetric direct nuclear pumped laser
[NASA-CASE-LAR-12183-1] c 36 N79-18307
- JAMES, L. W.**
III-V photocathode with nitrogen doping for increased
quantum efficiency
[NASA-CASE-NPO-12134-1] c 33 N76-31409
- JAMES, N. J.**
Resilient wheel Patent
[NASA-CASE-MFS-13929] c 15 N71-27091
- JAMES, R.**
System for providing an integrated display of
instantaneous information relative to aircraft attitude,
heading, altitude, and horizontal situation
[NASA-CASE-FRC-11005-1] c 06 N82-16075
- JAMIESON, R. S.**
Rotary stepping device with memory metal actuator
[NASA-CASE-NPO-15482-1] c 37 N83-36484
- JAMISON, H. H.**
Ion-exchange membrane with platinum electrode
assembly Patent
[NASA-CASE-XMS-02063] c 03 N71-29044
- JANEFF, W.**
Tracking receiver Patent
[NASA-CASE-XGS-08679] c 10 N71-21473
- JANKOWSKI, F.**
Quick disconnect filter coupling
[NASA-CASE-MFS-22323-1] c 37 N76-14463
- JANNICHE, P. J., JR.**
Passive synchronized spike generator with high input
impedance and low output impedance and capacitor power
supply Patent
[NASA-CASE-XGS-03632] c 09 N71-23311
- JANSEN, H. B.**
Fluid thrust control system
[NASA-CASE-XMF-05964-1] c 20 N79-21124
- JARVIS, M. R.**
A spillage detector for liquid chromatography systems
[NASA-CASE-MSC-20206-1] c 25 N83-29325
- JAVAN, A.**
Method and apparatus for stabilizing a gaseous optical
maser Patent
[NASA-CASE-XGS-03644] c 16 N71-18614
- JEANE, H. L.**
Priority interrupt system
[NASA-CASE-NPO-13067-1] c 60 N76-18800
- JECH, R. W.**
Reinforced metallic composites Patent
[NASA-CASE-XLE-02428] c 17 N70-33288
Method of making fiber reinforced metallic composites
Patent
[NASA-CASE-XLE-00231] c 17 N70-38198
Reinforced metallic composites Patent
[NASA-CASE-XLE-00228] c 17 N70-38490
Method for producing fiber reinforced metallic
composites Patent
[NASA-CASE-XLE-03925] c 18 N71-22894
- JEDLICKA, J. R.**
Solid medium thermal engine
[NASA-CASE-ARC-10461-1] c 44 N74-33379
- JEFFERS, E. L.**
Method and apparatus for eliminating luminol
interference material
[NASA-CASE-MSC-16260-1] c 51 N80-16714
Method and automated apparatus for detecting coliform
organisms
[NASA-CASE-MSC-16777-1] c 51 N80-27067
Rapid, quantitative determination of bacteria in water
[NASA-CASE-GSC-12158-1] c 51 N83-27569
Method for detecting coliform organisms
[NASA-CASE-XLI-11322-1] c 51 N83-28849
- JEFFERY, P. A. E.**
Compensating linkage for main rotor control
[NASA-CASE-LAR-11797-1] c 05 N81-19087
- JEFFREYS, H. B.**
Focused laser Doppler velocimeter
[NASA-CASE-MFS-23178-1] c 35 N77-10493
- JELALIAN, A. V.**
Clear air turbulence detector
[NASA-CASE-MFS-21244-1] c 36 N75-15028
Focused laser Doppler velocimeter
[NASA-CASE-MFS-23178-1] c 35 N77-10493
- JELLISON, J. C.**
Resilience testing device Patent
[NASA-CASE-XLA-08254] c 14 N71-26161
- JENKINS, K. H.**
Diode and protection fuse unit Patent
[NASA-CASE-XKS-03381] c 09 N71-22796
- JENKINS, L. M.**
Indexed keyed connection Patent
[NASA-CASE-XMS-02532] c 15 N70-41808
- JENKINS, R. K.**
Thermally conductive polymers
[NASA-CASE-GSC-11304-1] c 06 N72-21105
- JENNINGS, D. E.**
Thermal compensator for closed-cycle helium
refrigerator
[NASA-CASE-GSC-12168-1] c 31 N79-17029
Shock isolator for operating a diode laser on a
closed-cycle refrigerator
[NASA-CASE-GSC-12297-1] c 37 N79-28549
- JENSEN, A. R.**
Separation nut Patent
[NASA-CASE-XGS-01971] c 15 N71-15922
- JENSEN, C. A.**
Continuous plasma light source
[NASA-CASE-XNP-04167-2] c 25 N72-24753
Continuous plasma laser
[NASA-CASE-XNP-04167-3] c 36 N77-19416
- JENSEN, K. J.**
Failure sensing and protection circuit for converter
networks Patent
[NASA-CASE-GSC-10114-1] c 10 N71-27366
- JENSEN, P. A.**
Low noise single aperture multimode monopulse
antenna feed system Patent
[NASA-CASE-XNP-01735] c 07 N71-22750
- JENSEN, R. N.**
Solar heating system
[NASA-CASE-LAR-12009-1] c 44 N78-15560
Combined solar collector and energy storage system
[NASA-CASE-LAR-12205-1] c 44 N80-20810
Solar engine
[NASA-CASE-LAR-12148-1] c 44 N82-24840
- JEPPSEN, G. L.**
Deployable flexible tunnel
[NASA-CASE-MFS-22636-1] c 37 N76-22540
- JESSUP, A. D.**
Variable angle tube holder
[NASA-CASE-LAR-10507-1] c 11 N72-25284
Lyophilized spore dispenser
[NASA-CASE-LAR-10544-1] c 37 N74-13178
- JETER, J. D.**
Flammability test chamber Patent
[NASA-CASE-KSC-10126] c 11 N71-24985
- JETT, J. R., JR.**
Procedure for internally mounting strain gauges
[NASA-CASE-GSC-12824-1] c 35 N83-13424
- JEWELL, P. A.**
Data handling system based on source significance,
storage availability and data received from the source
Patent Application
[NASA-CASE-XNP-04182-1] c 08 N70-34675
- JEWELL, R. A.**
Production of high purity silicon carbide Patent
[NASA-CASE-XLA-00158] c 26 N70-36805
Apparatus for producing high purity silicon carbide
crystals Patent
[NASA-CASE-XLA-02057] c 26 N70-40015
Method of coating carbonaceous base to prevent
oxidation destruction and coated base Patent
[NASA-CASE-XLA-00284] c 15 N71-16075
Method of coating carbonaceous base to prevent
oxidation destruction and coated base Patent
[NASA-CASE-XLA-00302] c 15 N71-16077
- JEX, D. W.**
Liquid aerosol dispenser
[NASA-CASE-MFS-20829] c 12 N72-21310
Two stage light gas-plasma projectile accelerator
[NASA-CASE-MFS-22287-1] c 75 N76-14931
- JHABVALA, M. D.**
Method of making V-MOS field effect transistors utilizing
a two-step anisotropic etching and ion implantation
[NASA-CASE-GSC-12515-1] c 33 N81-26360
Implantable electrical device
[NASA-CASE-GSC-12560-1] c 52 N82-29863
Integrated photo-responsive metal oxide semiconductor
circuit
[NASA-CASE-GSC-12782-1] c 33 N83-13360
- JHABVALA, M. O.**
Complementary DMOS-VMOS integrated circuit
structure
[NASA-CASE-GSC-12190-1] c 33 N79-12321
- JOBSON, D. J.**
Spectrometer integrated with a facsimile camera
[NASA-CASE-LAR-11207-1] c 35 N75-19613
- JOHANSEN, K. G.**
Systems and methods for determining radio frequency
interference
[NASA-CASE-GSC-12150-1] c 32 N79-11265
- JOHANSEN, D. L.**
Articulated multiple couch assembly Patent
[NASA-CASE-MSC-11253] c 05 N71-12343
Collapsible Apollo couch
[NASA-CASE-MSC-13140] c 05 N72-11085
- JOHNS, C. E.**
Continuously variable voltage controlled phase shifter
[NASA-CASE-NPO-11129] c 09 N72-33204
- JOHNSON, A. L., JR.**
Microelectronic module package Patent
[NASA-CASE-XMS-02182] c 10 N71-28783
- JOHNSON, C. B.**
Hypersonic test facility Patent
[NASA-CASE-XLA-00378] c 11 N71-15925
Hypersonic test facility Patent
[NASA-CASE-XLA-05378] c 11 N71-21475
Image tube
[NASA-CASE-GSC-11602-1] c 33 N74-21850

JOHNSON, C. C.

- Visual target for retrofire attitude control
[NASA-CASE-XMS-12158-1] c 31 N69-27499
- Orbital escape device Patent
[NASA-CASE-XMS-06162] c 31 N71-28851
- Stand-off type ablative heat shield
[NASA-CASE-MS-12143-1] c 33 N72-17947
- Amplitude steered array
[NASA-CASE-GSC-11446-1] c 33 N74-20860
- Reverse osmosis membrane of high urea rejection properties
[NASA-CASE-ARC-10980-1] c 27 N80-23452
- JOHNSON, C. C., JR.
Space capsule Patent
[NASA-CASE-XLA-00149] c 31 N70-37938
- Space capsule Patent
[NASA-CASE-XLA-01332] c 31 N71-15664
- JOHNSON, C. E.
Impact testing machine Patent
[NASA-CASE-XNP-04817] c 14 N71-23225
- JOHNSON, C. L.
Molding process for imidazopyrrolone polymers
[NASA-CASE-HQN-10547-1] c 31 N78-13177
- JOHNSON, C. W.
Method of resolving clock synchronization error and means therefor Patent
[NASA-CASE-XNP-08875] c 10 N71-23099
- JOHNSON, E. G.
System and method for tracking a signal source
[NASA-CASE-HQN-10880-1] c 17 N78-17140
- JOHNSON, E. T.
Automated clinical system for chromosome analysis
[NASA-CASE-NPO-13913-1] c 52 N79-12694
- JOHNSON, F. W.
Heat conductive resiliently compressible structure for space electronics package modules Patent
[NASA-CASE-MS-12389] c 33 N71-29052
- JOHNSON, H. G.
Electronic checkout system for space vehicles Patent
[NASA-CASE-XKS-08012-2] c 31 N71-15566
- JOHNSON, H. I.
Training vehicle for controlling attitude Patent
[NASA-CASE-XMS-02977] c 11 N71-10746
- Gravity stabilized flying vehicle Patent
[NASA-CASE-MS-12111-1] c 02 N71-11039
- Hand-held self-maneuvering unit Patent
[NASA-CASE-XMS-05304] c 05 N71-12336
- Fluid power transmission Patent
[NASA-CASE-XMS-01445] c 12 N71-16031
- Subgravity simulator Patent
[NASA-CASE-XMS-04798] c 11 N71-21474
- Pneumatic amplifier Patent
[NASA-CASE-MS-12121-1] c 15 N71-27147
- JOHNSON, J. C., JR.
Mechanical actuator Patent
[NASA-CASE-XGS-04548] c 15 N71-24045
- JOHNSON, J. D.
Wrist joint assembly
[NASA-CASE-MFS-23311-1] c 54 N78-17676
- JOHNSON, J. E.
Variable cycle gas turbine engines
[NASA-CASE-LEW-12916-1] c 37 N78-17384
- JOHNSON, J. E., JR.
Micro-fluid exchange coupling apparatus
[NASA-CASE-ARC-11114-1] c 51 N81-14605
- JOHNSON, J. L.
Method and apparatus for shaping and enhancing acoustical levitation forces
[NASA-CASE-MFS-25050-1] c 71 N81-15767
- Sonic levitation apparatus
[NASA-CASE-MFS-25828-1] c 71 N83-26846
- JOHNSON, J. L., JR.
High lift aircraft
[NASA-CASE-LAR-11252-1] c 05 N75-25914
- JOHNSON, K. G.
Positioning mechanism
[NASA-CASE-NPO-10679] c 15 N72-21462
- JOHNSON, R. C.
Enthalpy and stagnation temperature determination of a high temperature laminar flow gas stream Patent
[NASA-CASE-XLE-00268] c 14 N70-34156
- JOHNSON, R. D.
Gas path seal
[NASA-CASE-NPO-12131-3] c 37 N80-18400
- JOHNSON, R. E.
Acquisition and tracking system for optical radar
[NASA-CASE-MFS-20125] c 16 N72-13437
- JOHNSON, R. L.
Gas lubricant compositions Patent
[NASA-CASE-XLE-00353] c 18 N70-39897
- Metallic film diffusion for boundary lubrication Patent
[NASA-CASE-XLE-01765] c 18 N71-10772
- Alloys for bearings Patent
[NASA-CASE-XLE-05033] c 15 N71-23810
- Metallic film diffusion for boundary lubrication Patent
[NASA-CASE-XLE-10337] c 15 N71-24046

JOHNSON, R. W.

- Microwave switching power divider
[NASA-CASE-GSC-12420-1] c 33 N82-16340
- JOHNSON, V. E., JR.
Hydrofoil Patent
[NASA-CASE-XLA-00229] c 12 N70-33305
- JOHNSTON, A. R.
Polarimeter for transient measurement Patent
[NASA-CASE-XNP-08883] c 23 N71-16101
- Light direction sensor
[NASA-CASE-NPO-11201] c 14 N72-27409
- Cooperative multitaxis sensor for teleoperation of article manipulating apparatus
[NASA-CASE-NPO-13386-1] c 54 N75-27758
- Stark-effect modulation of CO₂ laser with NH₂D
[NASA-CASE-NPO-11945-1] c 36 N76-18427
- Focal plane array optical proximity sensor
[NASA-CASE-NPO-15155-1] c 74 N81-22894
- JOHNSTON, D. F.
Induction heating gun
[NASA-CASE-LAR-13181-1] c 33 N83-29591
- JOHNSTON, E. A.
Variable area exhaust nozzle
[NASA-CASE-LEW-12378-1] c 07 N79-14097
- Thrust reverser for a long duct fan engine
[NASA-CASE-LEW-13199-1] c 07 N82-26293
- JOHNSTON, G. D.
Insulation bonding test system
[NASA-CASE-MFS-25862-1] c 27 N83-19903
- JOHNSTON, J. D.
Combined docking and grasping device
[NASA-CASE-MFS-23088-1] c 37 N77-23483
- Apparatus for assembling space structure
[NASA-CASE-MFS-23578-1] c 18 N79-11108
- Pneumatic inflatable end effector
[NASA-CASE-MFS-23696-1] c 54 N81-26718
- JOHNSTON, J. E.
Electrostatic measurement system
[NASA-CASE-MFS-22129-1] c 33 N75-18477
- JOHNSTON, M. F.
Synchronized voltage contrast display analysis system
[NASA-CASE-NPO-14567-1] c 33 N83-18996
- JOHNSTON, M. H.
Preparation of monotectic alloys having a controlled microstructure by directional solidification under dopant-induced interface breakdown
[NASA-CASE-MFS-23816-1] c 26 N80-23419
- JOHNSTON, R. L.
Multiple environment materials test chamber having a multiple port X-ray tube for irradiating a plurality of samples Patent
[NASA-CASE-XMS-02930] c 11 N71-23042
- JOHNSTON, R. P.
Active clearance control system for a turbomachine
[NASA-CASE-LEW-12938-1] c 07 N82-32366
- JOHNSTON, R. S.
Shock absorbing support and restraint means Patent
[NASA-CASE-XMS-01240] c 05 N70-35152
- Fabric for micrometeoroid protection garment Patent
[NASA-CASE-MS-12109] c 18 N71-26285
- JOHNSTON, W. V.
Heat flow calorimeter
[NASA-CASE-GSC-11434-1] c 34 N74-27859
- JOLLEY, J.
Lightweight reflector assembly
[NASA-CASE-NPO-13707-1] c 74 N77-28933
- JONES, E. W.
Coal-rock interface detector
[NASA-CASE-MFS-23725-1] c 43 N79-31706
- JONES, J. C.
Shock absorber Patent
[NASA-CASE-XMS-03722] c 15 N71-21530
- JONES, J. F.
Reinforced structural plastics
[NASA-CASE-LEW-10199-1] c 27 N74-23125
- JONES, J. H.
Lightning tracking system
[NASA-CASE-KSC-10729-1] c 09 N73-32110
- Lightning current measuring systems
[NASA-CASE-KSC-10807-1] c 33 N75-26246
- Method and apparatus for suppressing ignition overpressure in solid rocket propulsion systems
[NASA-CASE-MFS-25843-1] c 20 N83-17588
- JONES, J. L.
Multiple circuit switch apparatus with improved pivot actuator structure Patent
[NASA-CASE-XAC-03777] c 10 N71-15909
- Stereoscopic television system and apparatus
[NASA-CASE-ARC-10160-1] c 23 N72-27728
- JONES, R. A.
Flow field simulation Patent
[NASA-CASE-LAR-11138] c 12 N71-20436
- Method for determining thermo-physical properties of specimens
[NASA-CASE-LAR-11053-1] c 25 N74-18551

- Apparatus for determining thermophysical properties of test specimens
[NASA-CASE-LAR-11883-1] c 09 N77-27131
- JONES, R. E.
Swirl can primary combustor
[NASA-CASE-LEW-11326-1] c 23 N73-30665
- JONES, R. H.
Apparatus for establishing flow of a fluid mass having a known velocity
[NASA-CASE-MFS-21424-1] c 34 N74-27730
- JONES, R. J.
Capillary flow weld-bonding
[NASA-CASE-LAR-11726-1] c 37 N76-27568
- JONES, R. L.
Helmet assembly and latch means therefor Patent
[NASA-CASE-XMS-04935] c 05 N71-11190
- JONES, R. T.
Dual-fuselage aircraft having yawable wing and horizontal stabilizer
[NASA-CASE-ARC-10470-1] c 02 N73-26005
- Oblique-wing supersonic aircraft
[NASA-CASE-ARC-10470-3] c 05 N76-29217
- JONES, W. C.
Rotational joint assembly for the prosthetic leg
[NASA-CASE-KSC-11004-1] c 54 N77-30749
- JONES, W. P.
Folded traveling wave maser structure Patent
[NASA-CASE-XNP-05219] c 16 N71-15550
- Superconducting magnet Patent
[NASA-CASE-XNP-06503] c 23 N71-29049
- JORDAN, A. W.
Electric storage battery
[NASA-CASE-NPO-11021] c 03 N72-20032
- JORDON, W. J.
Inspection gage for boss Patent
[NASA-CASE-XMF-04966] c 14 N71-17658
- JOSIAS, C. S.
Micro current measuring device using plural logarithmic response heated filamentary type diodes Patent
[NASA-CASE-XNP-00384] c 09 N71-13530
- JOSLYN, A. W.
Boiler for generating high quality vapor Patent
[NASA-CASE-XLE-00785] c 33 N71-16104
- JOYNER, U. T.
Nose gear steering system for vehicle with main skids Patent
[NASA-CASE-XLA-01804] c 02 N70-34160
- JUDD, B. W.
Garments for controlling the temperature of the body Patent
[NASA-CASE-XMS-10269] c 05 N71-24147
- JUDD, J. H.
Air frame drag balance Patent
[NASA-CASE-XLA-00113] c 14 N70-33386
- Spacecraft airlock Patent
[NASA-CASE-XLA-02050] c 31 N71-22968
- Light regulator
[NASA-CASE-LAR-10836-1] c 26 N72-27784
- Deposition apparatus
[NASA-CASE-LAR-10541-1] c 15 N72-32487
- JUDY, P. F.
Method and system for in vivo measurement of bone tissue using a two level energy source
[NASA-CASE-MS-14276-1] c 52 N77-14737
- JUERGENSEN, K.
Regenerative braking system Patent
[NASA-CASE-XMF-01096] c 10 N71-16030
- JUHASZ, A. J.
Controlled separation combustor
[NASA-CASE-LEW-11593-1] c 20 N76-14190
- JURSCAGA, G. M.
Method of fabricating an article with cavities
[NASA-CASE-LAR-10318-1] c 31 N74-18089
- JUVINALL, G. L.
Trialkyl-dihalotantalum and niobium compounds Patent
[NASA-CASE-XNP-04023] c 06 N71-28808

K

- KABANA, W. P.
Butt welder for fine gauge tungsten/rhenium thermocouple wire
[NASA-CASE-LAR-10103-1] c 15 N73-14468
- KAHLBAUM, W. M., JR.
Chromatically corrected virtual image display
[NASA-CASE-LAR-12251-1] c 74 N79-14892
- Chromatically corrected virtual image visual display
[NASA-CASE-LAR-12251-1] c 74 N80-27185
- KAISER, J. A., JR.
Scannable beam forming interferometer antenna array system
[NASA-CASE-GSC-12365-1] c 32 N80-28578
- KALFAYAN, S. H.
Epoxy-aziridine polymer product Patent
[NASA-CASE-NPO-10701] c 06 N71-28620

- Strain gage mounting assembly
[NASA-CASE-NPO-13170-1] c 35 N76-14430
- Coal desulfurization process
[NASA-CASE-NPO-13937-1] c 44 N78-31527
- KALLIL, L. F.**
Temperature averaging thermal probe
[NASA-CASE-GSC-12795-1] c 35 N83-20085
- KALKBRENNER, R. W.**
Heat transfer device
[NASA-CASE-NPO-11120-1] c 34 N74-18552
- KALLINS, C.**
Rotary actuator
[NASA-CASE-NPO-10244] c 15 N72-26371
- KALSHOVEN, J. E., JR.**
Method of an apparatus for measuring temperature and pressure
[NASA-CASE-GSC-12558-1] c 35 N82-29580
- KALVINSKAS, J. J.**
Sewage sludge additive
[NASA-CASE-NPO-13877-1] c 45 N82-11634
- Crude oil desulfurization
[NASA-CASE-NPO-14542-1] c 25 N82-23282
- Coal desulfurization by aqueous chlorination
[NASA-CASE-NPO-14902-1] c 25 N82-29371
- Hydrodesulfurization of chlorinated coal
[NASA-CASE-NPO-15304-1] c 25 N83-31743
- Fluidized bed desulfurization
[NASA-CASE-NPO-15924-1] c 25 N83-36122
- KAMI, S.**
Gas regulator Patent
[NASA-CASE-NPO-10298] c 12 N71-17661
- KAMINSKAS, R. A.**
Penetrating radiation system for detecting the amount of liquid in a tank Patent
[NASA-CASE-MSC-12280] c 27 N71-16348
- KAMMERMEYER, K.**
Mixture separation cell Patent
[NASA-CASE-XMS-02952] c 18 N71-20742
- KAMPINSKY, A.**
Method and apparatus for determining electromagnetic characteristics of large surface area passive reflectors Patent
[NASA-CASE-XGS-02608] c 07 N70-41678
- Apparatus providing a directive field pattern and attitude sensing of a spin stabilized satellite Patent
[NASA-CASE-XGS-02607] c 31 N71-23009
- KANABUS, E. W.**
Apparatus and method of inserting a microelectrode in body tissue or the like using vibration means
[NASA-CASE-NPO-13910-1] c 52 N79-27836
- KANBER, H.**
Acoustic driving of rotor
[NASA-CASE-NPO-14005-1] c 71 N79-20827
- KANE, J. O.**
Thermal barrier pressure seal
[NASA-CASE-MSC-18134-1] c 37 N81-15363
- KANE, T. R.**
Spacecraft attitude control method and apparatus
[NASA-CASE-HQN-10439] c 21 N72-21624
- KAPUSTKA, R. E.**
Method and apparatus for conditioning of nickel-cadmium batteries
[NASA-CASE-MFS-23270-1] c 44 N78-25531
- KARIGAN, G. H.**
Accumulator
[NASA-CASE-MFS-19287-1] c 34 N77-30399
- KARIOTIS, A. H.**
Compression test assembly
[NASA-CASE-LAR-10440-1] c 14 N73-32323
- KARSH, I.**
Tape guidance system and apparatus for the provision thereof Patent
[NASA-CASE-XNP-09453] c 08 N71-19420
- Incremental tape recorder and data rate converter Patent
[NASA-CASE-XNP-02778] c 08 N71-22710
- KASPARECK, W. E.**
Precision stepping drive Patent
[NASA-CASE-MFS-14772] c 15 N71-17692
- Fine adjustment mount
[NASA-CASE-MFS-20249] c 15 N72-11386
- Adjustable force probe
[NASA-CASE-MFS-20760] c 14 N72-33377
- KAST, H. B.**
Oil cooling system for a gas turbine engine
[NASA-CASE-LEW-12830-1] c 07 N77-23106
- Oil cooling system for a gas turbine engine
[NASA-CASE-LEW-12321-1] c 37 N78-10467
- KASTAN, H.**
Absorptive splitter for closely spaced supersonic engine air inlets Patent
[NASA-CASE-XLA-02865] c 28 N71-15563
- KASTNER, S. O.**
Diffractoid grating configuration for X-ray and ultraviolet focusing
[NASA-CASE-GSC-12357-1] c 74 N80-21140
- KATOW, M. S.**
Multi-feed cone Cassegrain antenna Patent
[NASA-CASE-NPO-10539] c 07 N71-11285
- KATVALA, V. W.**
Reaction cured glass and glass coatings
[NASA-CASE-ARC-11051-1] c 27 N78-32260
- Spray coating apparatus having a rotatable workpiece holder
[NASA-CASE-ARC-11110-1] c 37 N82-24492
- KATZ, J.**
Arrangement for damping the resonance in a laser diode
[NASA-CASE-NPO-15980-1] c 36 N82-28618
- Integrated opto-electronic laser beam deflector position detector
[NASA-CASE-NPO-15943-1] c 36 N83-20092
- KATZ, L.**
Force measuring instrument Patent
[NASA-CASE-XMF-00456] c 14 N70-34705
- Optimum predetection diversity receiving system Patent
[NASA-CASE-XGS-00740] c 07 N71-23098
- Apparatus for obtaining isotropic irradiation of a specimen
[NASA-CASE-MFS-20095] c 24 N72-11595
- Method and apparatus for supercooling and solidifying substances
[NASA-CASE-MFS-25242-1] c 35 N83-29650
- KATZ, M. G.**
Method for the preparation of thin-skinned asymmetric reverse osmosis membranes and products thereof
[NASA-CASE-ARC-11359-1] c 27 N82-28444
- KATZ, N. H.**
Temperature reducing coating for metals subject to flame exposure Patent
[NASA-CASE-XLE-00035] c 33 N71-29151
- KATZBERG, S. J.**
Automatic focus control for facsimile cameras
[NASA-CASE-LAR-11213-1] c 35 N75-15014
- Spectrometer integrated with a facsimile camera
[NASA-CASE-LAR-11207-1] c 35 N75-19613
- Device for measuring the contour of a surface
[NASA-CASE-LAR-11869-1] c 74 N78-27904
- KATZEN, E. D.**
Protected isotope heat source
[NASA-CASE-LEW-11227-1] c 73 N75-30876
- KATZIN, L.**
Breakaway connector
[NASA-CASE-NPO-11140] c 15 N72-17455
- KAUFMAN, H. R.**
Ion thruster cathode
[NASA-CASE-XLE-07087] c 06 N69-39889
- Ion rocket Patent
[NASA-CASE-XLE-00376] c 28 N70-37245
- Electrostatic ion engine having a permanent magnetic circuit Patent
[NASA-CASE-XLE-01124] c 28 N71-14043
- Electrostatic ion rocket engine Patent
[NASA-CASE-XLE-02066] c 28 N71-15661
- Ion beam deflector Patent
[NASA-CASE-LEW-10689-1] c 28 N71-26173
- KAUFMAN, J. W.**
Maxometers (peak wind speed anemometers)
[NASA-CASE-MFS-20916] c 14 N73-25460
- Wind wheel electric power generator
[NASA-CASE-MFS-23515-1] c 44 N80-21828
- KAUFMAN, W. B.**
High current electrical lead
[NASA-CASE-LEW-10950-1] c 33 N74-27683
- KAUFMANN, J. J.**
Lead-oxygen dc power supply system having a closed loop oxygen and water system
[NASA-CASE-MFS-23059-1] c 44 N76-27664
- KAVAYA, M. J.**
Stark effect spectrophone for continuous absorption spectra monitoring
[NASA-CASE-NPO-15102-1] c 25 N81-25159
- Spectrophone stabilized laser with line center offset frequency control
[NASA-CASE-NPO-15518-1] c 36 N82-26652
- Method and apparatus for transfer function simulator for testing complex systems
[NASA-CASE-NPO-15696-1] c 36 N82-28619
- KAZAROFF, J. M.**
Heat exchanger and method of making
[NASA-CASE-LEW-12441-1] c 34 N79-13289
- Heat exchanger and method of making
[NASA-CASE-LEW-12441-2] c 34 N80-24573
- Heat exchanger and method of making
[NASA-CASE-LEW-12441-3] c 44 N81-24519
- KAZNOFF, A. I.**
Method of making a cermet Patent
[NASA-CASE-LEW-10219-1] c 18 N71-28729
- KAZOKAS, G. P.**
Vacuum leak detector
[NASA-CASE-LAR-11237-1] c 35 N75-19612
- KEAFER, L. S., JR.**
Transmitting and reflecting diffuser
[NASA-CASE-LAR-10385-2] c 70 N74-13436
- Transmitting and reflecting diffuser
[NASA-CASE-LAR-10385-3] c 74 N78-15879
- KEARNS, W. J.**
Mount for thermal control system Patent
[NASA-CASE-NPO-10138] c 33 N71-16357
- KEATHLEY, W. H.**
Energy absorbing structure Patent Application
[NASA-CASE-MSC-12279-1] c 15 N70-35679
- Low onset rate energy absorber
[NASA-CASE-MSC-12279] c 15 N72-17450
- KEATING, J. M.**
Method and apparatus for attaching physiological monitoring electrodes Patent
[NASA-CASE-XFR-07658-1] c 05 N71-26293
- KEEFER, J. M.**
Phonocardiogram simulator Patent
[NASA-CASE-XKS-10804] c 05 N71-24606
- KEENE, W. H.**
Clear air turbulence detector
[NASA-CASE-MFS-21244-1] c 36 N75-15028
- Focused laser Doppler velocimeter
[NASA-CASE-MFS-23178-1] c 35 N77-10493
- KEETON, A. R.**
Sodium storage and injection system
[NASA-CASE-NPO-14384-1] c 37 N80-10494
- KEHLET, A. B.**
Parachute glider Patent
[NASA-CASE-XLA-00898] c 02 N70-36804
- Space and atmospheric reentry vehicle Patent
[NASA-CASE-XGS-00260] c 31 N70-37924
- Space capsule Patent
[NASA-CASE-XLA-00149] c 31 N70-37938
- Space capsule Patent
[NASA-CASE-XLA-01332] c 31 N71-15664
- KELBAUGH, B. N.**
Automatic instrument for chemical processing to detect microorganism in biological samples by measuring light reactions
[NASA-CASE-GSC-11169-2] c 05 N73-32011
- KELLER, E. E.**
Heat exchanger
[NASA-CASE-MFS-22991-1] c 34 N77-10463
- KELLER, G. C.**
Plural beam antenna
[NASA-CASE-GSC-11013-1] c 09 N73-19234
- KELLER, O. F.**
Pressure regulating system Patent
[NASA-CASE-XNP-00450] c 15 N70-38603
- KELLEY, J. R.**
Mechanical stability augmentation system Patent
[NASA-CASE-XLA-06339] c 02 N71-13422
- KELLEY, W. W.**
Pitch attitude stabilization system utilizing engine pressure ratio feedback signals
[NASA-CASE-LAR-12562-1] c 08 N81-26152
- KELLS, M. C.**
Device for measuring pressure Patent
[NASA-CASE-XAC-04458] c 14 N71-24232
- KELLY, D. L.**
Multistage aerospace craft
[NASA-CASE-XMF-02263] c 05 N74-10907
- KELLY, H. N.**
Shell tile thermal protection system
[NASA-CASE-LAR-12862-1] c 24 N83-17602
- KELLY, W. L., IV**
Spectrometer integrated with a facsimile camera
[NASA-CASE-LAR-11207-1] c 35 N75-19613
- Device for measuring the contour of a surface
[NASA-CASE-LAR-11869-1] c 74 N78-27904
- KELLY, W. W.**
Velocity vector control system augmented with direct lift control
[NASA-CASE-LAR-12268-1] c 08 N81-24106
- KELSEY, E. L.**
Transient-compensated SCR inverter
[NASA-CASE-XLA-08507] c 09 N69-39984
- SCR blocking pulse gate amplifier Patent
[NASA-CASE-XLA-07497] c 09 N71-12514
- KEMP, K. L.**
Pneumatic mirror support system
[NASA-CASE-XLA-03271] c 11 N69-24321
- KEMP, R. F.**
Apparatus for field strength measurement of a space vehicle Patent
[NASA-CASE-XLE-00820] c 14 N71-16014
- KEMP, R. H.**
Thin-walled pressure vessel Patent
[NASA-CASE-XLE-04677] c 15 N71-10577
- KENDALL, J. M.**
Resolution enhanced sound detecting apparatus
[NASA-CASE-NPO-14134-1] c 71 N79-23753

KENDALL, J. M., JR.

Method of forming frozen spheres in a force-free drop tower
[NASA-CASE-NPO-14845-1] c 27 N82-28442

KENDALL, J. M., SR.

Conically shaped cavity radiometer with a dual purpose cone winding Patent
[NASA-CASE-XNP-09701] c 14 N71-26475

Black body cavity radiometer Patent
[NASA-CASE-NPO-10810] c 14 N71-27323

Pressure letdown method and device for coal conversion systems
[NASA-CASE-NPO-15100-1] c 28 N81-33306

KENDRICK, W. P.

Ablative resin Patent
[NASA-CASE-XLE-05913] c 33 N71-14032

Reinforced structural plastics
[NASA-CASE-LEW-10199-1] c 27 N74-23125

KENNEDY, B. W.

Electrical connector Patent Application
[NASA-CASE-MFS-14741] c 09 N70-20737

Filter system for control of outgas contamination in vacuum Patent
[NASA-CASE-MFS-14711] c 15 N71-26185

Method of making shielded flat cable Patent
[NASA-CASE-MFS-13687] c 09 N71-28691

Shielded flat cable
[NASA-CASE-MFS-13687-2] c 09 N72-22198

Polyimide resin-fiberglass cloth laminates for printed circuit boards
[NASA-CASE-MFS-20408] c 18 N73-12604

Integrated circuit package with lead structure and method of preparing the same
[NASA-CASE-MFS-21374-1] c 33 N74-12951

KENNEWAY, A. J., III

Space suit
[NASA-CASE-MSC-12609-1] c 05 N73-32012

KENNEY, R. L.

Geneva mechanism
[NASA-CASE-NPO-13281-1] c 37 N75-13266

KENT, W. D.

Heat sterilizable patient ventilator
[NASA-CASE-NPO-13313-1] c 54 N75-27761

KENYON, G. C.

Flight craft Patent
[NASA-CASE-XAC-02058] c 02 N71-16087

KEPLER, C. E.

Tertiary flow injection thrust vectoring system Patent
[NASA-CASE-MFS-20831] c 28 N71-29153

KERLEY, J. J.

Portable appliance security apparatus
[NASA-CASE-GSC-12399-1] c 33 N81-25299

KERLEY, J. J., JR.

Apparatus for vibrational testing of articles
[NASA-CASE-GSC-11302-1] c 14 N73-13416

KERN, C. V.

Deformable vehicle wheel Patent
[NASA-CASE-MFS-20400] c 31 N71-18611

KERN, J. D.

Magnetic recording head and method of making same Patent
[NASA-CASE-GSC-10097-1] c 08 N71-27210

KERNODLE, B. H.

Inherent redundancy electric heater
[NASA-CASE-MFS-21462-1] c 33 N74-14935

KERR, J. H.

Traffic survey system
[NASA-CASE-MFS-22631-1] c 66 N76-19888

KERSEY, E. D., JR.

Angular displacement indicating gas bearing support system Patent
[NASA-CASE-XLA-09346] c 15 N71-28740

KERSHNER, D. D.

Miniature electro-optical air flow sensor
[NASA-CASE-LAR-13065-1] c 74 N83-25539

KERSLAKE, W. R.

Ion thruster cathode
[NASA-CASE-XLE-07087] c 06 N69-39889

Electronic cathode having a brush-like structure and a relatively thick oxide emissive coating Patent
[NASA-CASE-XLE-04501] c 09 N71-23190

KERSTEN, L.

Wrist joint assembly
[NASA-CASE-MFS-23311-1] c 54 N78-17676

KERWIN, W. J.

Nonmagnetic thermal motor for a magnetometer
[NASA-CASE-XAR-03786] c 09 N69-21313

Demodulation system Patent
[NASA-CASE-XAC-04030] c 10 N71-19472

Transducer circuit and catheter transducer Patent
[NASA-CASE-ARC-10132-1] c 09 N71-24597

Active RC networks
[NASA-CASE-ARC-10042-2] c 10 N72-11256

RC networks and amplifiers employing the same
[NASA-CASE-XAC-05462-2] c 10 N72-17171

Active RC networks

[NASA-CASE-ARC-10020] c 10 N72-17172

Multiloop RC active filter apparatus having low parameter sensitivity with low amplifier gain
[NASA-CASE-ARC-10192] c 09 N72-21245

Integrated structure vacuum tube
[NASA-CASE-ARC-10445-1] c 31 N76-31365

KESSEL, J. E.

Plural recorder system
[NASA-CASE-XMS-06949] c 09 N69-21467

Hearing aid malfunction detection system
[NASA-CASE-MS-14916-1] c 33 N78-10375

KEY, C. F.

Nonflammable coating compositions
[NASA-CASE-MFS-20486-2] c 27 N74-17283

Technique for control of free-flight rocket vehicles Patent
[NASA-CASE-XLA-00937] c 31 N71-17691

Nical ternary alloy having improved cyclic oxidation resistance
[NASA-CASE-LEW-13339-1] c 26 N82-31505

Direct current transformer
[NASA-CASE-MFS-23659-1] c 33 N79-17133

Load cell protection device Patent
[NASA-CASE-XMS-06782] c 32 N71-15974

KICHAK, R. A.

Inrush current limiter
[NASA-CASE-GSC-11789-1] c 33 N77-14333

Thermal conductive connection and method of making same Patent
[NASA-CASE-XMS-02087] c 09 N70-41717

Multiducted electromagnetic pump Patent
[NASA-CASE-NPO-10755] c 15 N71-27084

Shell side liquid metal boiler
[NASA-CASE-NPO-10831] c 33 N72-20915

Clamping assembly for inertial components Patent
[NASA-CASE-XMS-02184] c 15 N71-20813

KIM, C.

Arterial pulse wave pressure transducer
[NASA-CASE-GSC-11531-1] c 52 N74-27566

A multichannel photoionization chamber for absorption analysis Patent
[NASA-CASE-ERC-10044-1] c 14 N71-27090

Means for growing ribbon crystals without subjecting the crystals to thermal shock-induced strains
[NASA-CASE-NPO-14298-1] c 76 N80-32244

Apparatus for remote handling of materials
[NASA-CASE-LAR-10634-1] c 37 N74-18123

Particle detection apparatus Patent
[NASA-CASE-XLA-00135] c 14 N70-33322

Gas actuated bolt disconnect Patent
[NASA-CASE-XLA-00326] c 03 N70-34667

Micrometeoroid velocity measuring device Patent
[NASA-CASE-XLA-00495] c 14 N70-41332

Micrometeoroid penetration measuring device Patent
[NASA-CASE-XLA-00941] c 14 N71-23240

Deployable pressurized cell structure for a micrometeoroid detector
[NASA-CASE-LAR-10295-1] c 35 N74-21062

Particulate and aerosol detector
[NASA-CASE-LAR-11434-1] c 35 N76-22509

Four phase logic systems
[NASA-CASE-MS-14240-1] c 33 N75-14957

Method of obtaining permanent record of surface flow phenomena Patent
[NASA-CASE-XLA-01353] c 14 N70-41366

Method and apparatus for bonding a plastics sleeve onto a metallic body Patent
[NASA-CASE-XLA-01262] c 15 N71-21404

Dielectric molding apparatus Patent
[NASA-CASE-LAR-10121-1] c 15 N71-26721

Butt welder for fine gauge tungsten/rhenium thermocouple wire
[NASA-CASE-LAR-10103-1] c 15 N73-14468

Gas regulator Patent
[NASA-CASE-NPO-10298] c 12 N71-17661

Method of making impurity-type semiconductor electrical contacts Patent
[NASA-CASE-XMF-01016] c 26 N71-17818

Sprayable low density ablator and application process
[NASA-CASE-MFS-23506-1] c 24 N78-24290

Preparation of high purity copper fluoride
[NASA-CASE-LEW-10794-1] c 06 N72-17093

Anthropomorphic master/slave manipulator system
[NASA-CASE-ARC-10756-1] c 54 N77-32721

Method and apparatus for making a heat insulating and ablative structure Patent
[NASA-CASE-XMS-02009] c 33 N71-20834

High acceleration cable deployment system
[NASA-CASE-ARC-11256-1] c 15 N82-24272

Gregorian all-reflective optical system
[NASA-CASE-GSC-12058-1] c 74 N77-26942

Data transfer system Patent
[NASA-CASE-NPO-12107] c 08 N71-27255

Laser Doppler system for measuring three dimensional vector velocity Patent
[NASA-CASE-MFS-20386] c 21 N71-19212

Traveling wave solid state amplifier utilizing a semiconductor with negative differential mobility
[NASA-CASE-HON-10069] c 33 N75-27251

Signal multiplexer
[NASA-CASE-XGS-01110] c 07 N69-24334

Emergency escape system Patent
[NASA-CASE-MSC-12086-1] c 05 N71-12345

Surface finishing
[NASA-CASE-MSC-12631-1] c 24 N77-28225

Surface finishing
[NASA-CASE-MSC-12631-3] c 27 N81-14077

Structural members, method and apparatus
[NASA-CASE-MSC-16217-1] c 31 N81-27323

Piezoelectric composite materials
[NASA-CASE-LEW-12582-1] c 76 N83-34796

Translatory shock absorber for attitude sensors
[NASA-CASE-MFS-22905-1] c 19 N76-22284

Accelerometer with FM output Patent
[NASA-CASE-XLA-00492] c 14 N70-34799

Solar-powered pump
[NASA-CASE-NPO-13567-1] c 44 N76-29701

Optical alignment system Patent
[NASA-CASE-XNP-02029] c 14 N70-41955

Tetherline system for orbiting satellites
[NASA-CASE-MFS-23564-1] c 15 N78-25119

Contour measurement system
[NASA-CASE-MFS-23726-1] c 43 N79-26439

Rate meter
[NASA-CASE-MFS-20418] c 14 N73-24473

Portable superclean air column device Patent
[NASA-CASE-XMF-03212] c 15 N71-22721

Cryogenic connector for vacuum use Patent
[NASA-CASE-XGS-02441] c 15 N70-41629

Nickel aluminate coated low alloy stainless steel
[NASA-CASE-LEW-11267-1] c 17 N73-32414

Ion-exchange hollow fibers
[NASA-CASE-NPO-13309-1] c 25 N81-19244

Apparatus for inspecting microfilm Patent
[NASA-CASE-MFS-20240] c 14 N71-26788

Electrolytically regenerative hydrogen-oxygen fuel cell Patent
[NASA-CASE-XLE-04526] c 03 N71-11052

Stable amplifier having a stable quiescent point Patent
[NASA-CASE-XGS-02812] c 09 N71-19466

Complementary regenerative switch Patent
[NASA-CASE-XGS-02751] c 09 N71-23015

Monostable multivibrator
[NASA-CASE-GSC-10082-1] c 10 N72-20221

Active tuned circuit
[NASA-CASE-GSC-11340-1] c 10 N72-33230

Ultra-stable oscillator with complementary transistors
[NASA-CASE-GSC-11513-1] c 33 N74-20862

Inductorless narrow-band filter/amplifier
[NASA-CASE-GSC-12410-1] c 33 N79-24260

- JFET oscillator
[NASA-CASE-GSC-12555-1] c 33 N80-26601
- Reactanceless bandpass amplifier
[NASA-CASE-GSC-12788-1] c 33 N83-12333
- KLEINROCK, L.**
Data compression system
[NASA-CASE-XNP-09785] c 08 N69-21928
Method and apparatus for data compression by a decreasing slope threshold test
[NASA-CASE-NPO-10769] c 08 N72-11171
- KLIENBERG, L.**
Low noise tuned amplifier
[NASA-CASE-GSC-12567-1] c 33 N82-11359
- KLIMA, S. J.**
High temperature cobalt-base alloy Patent
[NASA-CASE-XLE-00726] c 17 N71-15644
- KLING, A. J.**
Capacitance multiplier and filter synthesizing network
[NASA-CASE-NPO-11948-1] c 33 N74-32712
- KLING, A. J., JR.**
Automatic frequency discriminators and control for a phase-lock loop providing frequency preset capabilities Patent
[NASA-CASE-XMF-08665] c 10 N71-19487
- KLINGMAN, E. E., III**
Apparatus for calibrating an image dissector tube
[NASA-CASE-MFS-22208-1] c 33 N75-26244
Electronic optical transfer function analyzer
[NASA-CASE-MFS-21672-1] c 74 N76-19935
- KLISCH, J. A.**
Combustion products generating and metering device
[NASA-CASE-GSC-11095-1] c 14 N72-10375
- KLOC, I.**
Penetrometer
[NASA-CASE-NPO-11103-1] c 35 N77-27367
- KNAPP, M. H.**
Active clearance control system for a turbomachine
[NASA-CASE-LEW-12938-1] c 07 N82-32366
- KNAUER, W.**
Ion thruster
[NASA-CASE-LEW-10770-1] c 28 N72-22770
- KNECHTEL, E. D.**
Two force component measuring device Patent
[NASA-CASE-XAC-04886-1] c 14 N71-20439
Floating two force component measuring device Patent
[NASA-CASE-XAC-04885] c 14 N71-23790
- KNOELL, A. C.**
Method of adhering bone to a rigid substrate using a graphite fiber reinforced bone cement
[NASA-CASE-NPO-13764-1] c 27 N78-17215
Vehicular impact absorption system
[NASA-CASE-NPO-14014-1] c 37 N79-10420
- KNOOS, S. P.**
Shock tube bypass piston tunnel
[NASA-CASE-NPO-12109] c 11 N72-22245
- KO, W. L.**
Superplastically formed diffusion bonded metallic structure
[NASA-CASE-FRC-11026-1] c 24 N82-24296
- KOBAYASHI, H. S.**
Pulse code modulated signal synchronizer
[NASA-CASE-MSC-12462-1] c 32 N74-20809
Pulse code modulated signal synchronizer
[NASA-CASE-MSC-12494-1] c 32 N74-20810
Receiving and tracking phase modulated signals
[NASA-CASE-MSC-16170-2] c 32 N81-16338
Doppler radar having phase modulation of both transmitted and reflected return signals
[NASA-CASE-MSC-18675-1] c 32 N81-29312
- KOBAYASHI, H. S.**
Bit error rate measurement above and below bit rate tracking threshold
[NASA-CASE-MSC-12743-1] c 32 N79-10263
- KOCH, E. F.**
Expulsion bladder-equipped storage tank structure Patent
[NASA-CASE-XNP-00612] c 11 N70-38182
Combined pressure regulator and shutoff valve
[NASA-CASE-NPO-13201-1] c 37 N75-15050
- KOCH, K. F.**
CRT blanking and brightness control circuit
[NASA-CASE-KSC-10647-1] c 10 N72-31273
- KOCH, N. G.**
Multispectral scanner optical system
[NASA-CASE-MSC-18255-1] c 74 N80-33210
- KOCZELA, L. J.**
Adaptive voting computer system
[NASA-CASE-MSC-13932-1] c 62 N74-14920
- KODIS, R. D.**
Clear air turbulence detector
[NASA-CASE-ERC-10081] c 14 N72-28437
- KOEPP, G. A.**
Laser apparatus
[NASA-CASE-GSC-12237-1] c 38 N80-14384
- Off-axis coherently pumped laser
[NASA-CASE-GSC-12592-1] c 36 N81-12407
- KOFFEL, W. K.**
Tip cap for a rotor blade
[NASA-CASE-LEW-13854-1] c 07 N83-14129
- KOH, J. L.**
Wind and solar powered turbine
[NASA-CASE-NPO-15496-1] c 44 N82-28784
- KOHL, W. H.**
Distributed multiport memory architecture
[NASA-CASE-NPO-15342-1] c 60 N83-32342
- KOJIMA, K. K.**
Miniature implantable ultrasonic echosonometer
[NASA-CASE-ARC-11035-1] c 52 N79-18580
- KOLBLY, R. B.**
High power microwave power divider Patent
[NASA-CASE-NPO-11031] c 07 N71-33606
System for controlling the operation of a variable signal device
[NASA-CASE-NPO-11064] c 07 N72-11150
- KOLBY, R. B.**
Direct reading inductance meter
[NASA-CASE-NPO-13792-1] c 35 N77-32455
- KOLIAD, K. M.**
Copper doped polycrystalline silicon solar cell
[NASA-CASE-NPO-14670-1] c 44 N81-19558
Method of increasing minority carrier lifetime in silicon web or the like
[NASA-CASE-NPO-15530-1] c 76 N83-35888
- KOLOBOFF, G. J.**
Amplitude steered array
[NASA-CASE-GSC-11446-1] c 33 N74-20860
- KOLSTEE, H. M.**
Radiator deployment actuator Patent
[NASA-CASE-MSC-11817-1] c 15 N71-26611
- KONIGSBERG, E.**
Accelerometer telemetry system
[NASA-CASE-ARC-10849-1] c 17 N76-29347
- KOPELSON, S.**
Rate augmented digital to analog converter Patent
[NASA-CASE-XLA-07828] c 08 N71-27057
- KOPETSKI, F. J.**
Ring counter
[NASA-CASE-XGS-03095] c 09 N69-27463
- KOPIA, L. P.**
Transmitting and reflecting diffuser
[NASA-CASE-LAR-10385-2] c 70 N74-13436
Transmitting and reflecting diffuser
[NASA-CASE-LAR-10385-3] c 74 N78-15879
- KORABOWSKI, J. J.**
Pressure garment joint Patent
[NASA-CASE-XMS-09636] c 05 N71-12344
Method of forming a root cord restrained convolute section
[NASA-CASE-MSC-12398] c 05 N72-20098
- KORB, C. L.**
Method of an apparatus for measuring temperature and pressure
[NASA-CASE-GSC-12558-1] c 35 N82-29580
- KORDES, E. E.**
High intensity heat and light unit Patent
[NASA-CASE-XLA-00141] c 09 N70-33312
- KORNFELD, D. M.**
Process for preparation of large-particle-size monodisperse latexes
[NASA-CASE-MFS-25000-1] c 25 N81-19242
- KORSCH, D. G.**
Anastigmatic three-mirror telescope
[NASA-CASE-MFS-23675-1] c 69 N79-10969
- KORUS, R. A.**
Process for the preparation of fluorine containing crosslinked elastomeric polytriazine and product so produced
[NASA-CASE-ARC-11248-1] c 27 N81-17259
- KORVIN, W.**
Self-erecting reflector Patent
[NASA-CASE-XGS-09190] c 31 N71-16102
Tracking antenna system Patent
[NASA-CASE-GSC-10553-1] c 07 N71-19854
Antenna array at focal plane of reflector with coupling network for beam switching Patent
[NASA-CASE-GSC-10220-1] c 07 N71-27233
- KOSCHMEDE, L. A.**
Bi-polar phase detector and corrector for split phase PCM data signals Patent
[NASA-CASE-XGS-01590] c 07 N71-12392
- KOSMAHL, H. C.**
Multistage depressed collector for dual mode operation
[NASA-CASE-LEW-13282-1] c 33 N82-24415
- KOSMAHL, H. G.**
Linear magnetic brake with two windings Patent
[NASA-CASE-XLE-05079] c 15 N71-17652
Electrostatic collector for charged particles
[NASA-CASE-LEW-11192-1] c 09 N73-13208
- Electron beam controller
[NASA-CASE-LEW-11617-1] c 33 N74-10195
- Ladder supported ring bar circuit
[NASA-CASE-LEW-13570-1] c 33 N81-24348
- Dielectric based submillimeter backward wave oscillator circuit
[NASA-CASE-LEW-13736-1] c 33 N83-17802
- A linearized traveling wave amplifier with hard limiter characteristics
[NASA-CASE-LEW-13981-1] c 33 N83-25984
- Gyrotron transmitting tube
[NASA-CASE-LEW-13429-1] c 33 N83-31952
- KOSMO, J. J.**
Extravehicular tunnel suit system Patent
[NASA-CASE-MSC-12243-1] c 05 N71-24728
- KOTHE, E.**
Helmet feedport
[NASA-CASE-XMS-09653] c 54 N78-17680
- KOURTIDES, D. A.**
Low density bismaleimide-carbon microballoon composites
[NASA-CASE-ARC-11040-2] c 24 N78-27184
Low density bismaleimide-carbon microballoon composites
[NASA-CASE-ARC-11040-1] c 24 N79-16915
Fire blocking systems for aircraft seat cushions
[NASA-CASE-ARC-11423-1] c 03 N83-17525
The 1 - (dialkoxyposphonyl)methyl -2,4- and -2,6-dinitro- and diamino benzenes and their derivatives
[NASA-CASE-ARC-11425-1] c 23 N83-28076
- KOVELL, S. P.**
Method for etching copper Patent
[NASA-CASE-XGS-06306] c 17 N71-16044
- KOYBAYASHI, H. S.**
Unbalanced quadrature demodulator
[NASA-CASE-MSC-14840-1] c 32 N77-24331
- KOZIOL, J. S., JR.**
Aircraft control system
[NASA-CASE-ERC-10439] c 02 N73-19004
- KRAMER, F.**
Device for suppressing sound and heat produced by high-velocity exhaust jets Patent
[NASA-CASE-XMF-01813] c 28 N70-41582
- KRAMER, J. S.**
Apparatus for determining thermophysical properties of test specimens
[NASA-CASE-LAR-11883-1] c 09 N77-27131
- KRAMER, M.**
Electronic amplifier with power supply switching Patent
[NASA-CASE-XMS-00945] c 09 N71-10798
Power supply Patent
[NASA-CASE-XMS-02159] c 10 N71-22961
- KRASIN, F. E.**
Discriminator aided phase lock acquisition for suppressed carrier signals
[NASA-CASE-NPO-14311-1] c 33 N82-29539
- KRATZER, R. H.**
Preparation of perfluorinated imidoylamidoximes
[NASA-CASE-ARC-11267-1] c 23 N80-26386
Preparation of perfluorinated 1,2,4-oxadiazoles
[NASA-CASE-ARC-11267-2] c 23 N82-28353
- KRAUSE, F. R.**
Passive optical wind and turbulence detection system Patent
[NASA-CASE-XMF-14032] c 20 N71-16340
- KRAUSE, I. A.**
Satellite interface synchronization system
[NASA-CASE-GSC-10390-1] c 07 N72-11149
- KRAUSE, L. N.**
Enthalpy and stagnation temperature determination of a high temperature laminar flow gas stream Patent
[NASA-CASE-XLE-00266] c 14 N70-34156
Sensing probe
[NASA-CASE-LEW-10281-1] c 14 N72-17327
- KRAUSE, M. C.**
Focused laser Doppler velocimeter
[NASA-CASE-MFS-23178-1] c 35 N77-10493
Wind measurement system
[NASA-CASE-MFS-23362-1] c 47 N77-10753
- KRAUSE, S. J.**
Method and device for determining battery state of charge Patent
[NASA-CASE-NPO-10194] c 03 N71-20407
- KRAUSHAAR, W. L.**
Coaxial anode wire for gas radiation counters
[NASA-CASE-GSC-11492-1] c 35 N74-26949
- KRAVITZ, M.**
Television camera video level control system
[NASA-CASE-MSC-18578-1] c 74 N82-27121
- KRAY, W. D.**
The 1,1,1-triaryl-2,2,2-trifluoroethanes and process for their synthesis
[NASA-CASE-ARC-11097-1] c 25 N82-24312

KREISMAN, W. S.

- Inflation system for balloon type satellites Patent
[NASA-CASE-XGS-03351] c 31 N71-16081
- Bakeable McLeod gauge
[NASA-CASE-XGS-01293-1] c 35 N79-33450
- KRIEG, H. C., JR.**
Moisture content and gas sampling device
[NASA-CASE-MSC-18866-1] c 35 N82-26634
- KRIEVE, W. F.**
High-voltage cable Patent
[NASA-CASE-XNP-00738] c 09 N70-38201
- KROPP, C. J.**
Determination of spot weld quality Patent
[NASA-CASE-XNP-02588] c 15 N71-18613
- KRSEK, A., JR.**
Optical torqueometer Patent
[NASA-CASE-XLE-00503] c 14 N70-34818
- KRUPNICK, A. C.**
Method for detecting hydrogen gas
[NASA-CASE-XMF-03873] c 06 N69-39733
- Inorganic thermal control coatings
[NASA-CASE-MFS-20011] c 18 N72-22566
- Nonflammable coating compositions
[NASA-CASE-MFS-20486-2] c 27 N74-17283
- Method for making an aluminum or copper substrate panel for selective absorption of solar energy
[NASA-CASE-MFS-23518-1] c 44 N79-11469
- Aluminum or copper substrate panel for selective absorption of solar energy
[NASA-CASE-MFS-23518-3] c 44 N80-16452
- KUBACKI, R. M.**
Boron trifluoride coatings for thermoplastic materials and method of applying same in glow discharge
[NASA-CASE-ARC-11057-1] c 27 N78-31233
- Process for producing a well-adhered durable optical coating on an optical plastic substrate
[NASA-CASE-ARC-11039-1] c 74 N78-32854
- KUBICA, A. J.**
Decomposition unit Patent
[NASA-CASE-XMS-00583] c 28 N70-38504
- KUBICZ, A. P.**
Signal path series step biased multidevice high efficiency amplifier Patent
[NASA-CASE-GSC-10668-1] c 07 N71-28430
- Power responsive overload sensing circuit Patent
[NASA-CASE-GSC-10667-1] c 10 N71-33129
- Infinite range electronics gain control circuit
[NASA-CASE-GSC-10786-1] c 10 N72-28241
- KUBIK, C. F.**
Method and construction for protecting heat sensitive bodies from thermal radiation and convective heat Patent
[NASA-CASE-XNP-01310] c 33 N71-28852
- KUBIK, J. S.**
Device for preventing high voltage arcing in electron beam welding Patent
[NASA-CASE-XMF-08522] c 15 N71-19486
- KUBOKAWA, C. C.**
Fastener apparatus Patent
[NASA-CASE-ARC-10140-1] c 15 N71-17653
- KUEBLER, M. E.**
Method and means for damping nutation in a satellite Patent
[NASA-CASE-XMF-00442] c 31 N71-10747
- KUENZLY, J. D.**
Low thrust monopropellant engine
[NASA-CASE-GSC-12194-2] c 20 N82-18314
- KUGATH, D. A.**
Remote manipulator system
[NASA-CASE-MFS-22022-1] c 37 N76-15460
- KUHN, R. F., JR.**
Universal restrainer and joint Patent
[NASA-CASE-XNP-02278] c 15 N71-28951
- Internally supported flexible duct joint
[NASA-CASE-MFS-19193-1] c 37 N75-19686
- KUHNS, P. W.**
Generator for a space power system Patent
[NASA-CASE-XLE-04250] c 09 N71-20446
- KUMINECZ, J. F.**
High temperature emittance coatings and coating compositions
[NASA-CASE-MSC-18851-1] c 27 N82-26460
- Spray applicator for spraying coatings and other fluids in space
[NASA-CASE-MSC-18852-1] c 37 N82-28640
- KUO, Y. S.**
Improved ingot slicing machine
[NASA-CASE-NPO-15483-1] c 37 N82-28642
- KUPPERIAN, J. E., JR.**
Low friction magnetic recording tape Patent
[NASA-CASE-XGS-00373] c 23 N71-15978
- KURAL, M. H.**
Strain arrestor plate for fused silica tile
[NASA-CASE-MSC-14182-1] c 27 N76-14264

KURIGER, W. L.

- Short range laser obstacle detector
[NASA-CASE-NPO-11856-1] c 36 N74-15145
- KURPLE, W.**
Bit error rate measurement above and below bit rate tracking threshold
[NASA-CASE-MSC-12743-1] c 32 N79-10263
- KURTZ, R. L.**
Hybrid holographic system using reflected and transmitted object beams simultaneously Patent
[NASA-CASE-MFS-20074] c 16 N71-15565
- Multiple image stoning system for high speed projectile holography
[NASA-CASE-MFS-20596] c 14 N72-17324
- Real time moving scene holographic camera system
[NASA-CASE-MFS-21087-1] c 35 N74-17153
- Holographic system for nondestructive testing
[NASA-CASE-MFS-21704-1] c 35 N75-25124
- Real time, large volume, moving scene holographic camera system
[NASA-CASE-MFS-22537-1] c 35 N75-27328
- Holographic motion picture camera with Doppler shift compensation
[NASA-CASE-MFS-22517-1] c 35 N76-18402
- Projection system for display of parallax and perspective
[NASA-CASE-MFS-23194-1] c 35 N78-17357
- Hybrid holographic non-destructive test system
[NASA-CASE-MFS-23114-1] c 38 N78-32447
- KURVIN, C. W.**
Remote platform power conserving system
[NASA-CASE-GSC-11182-1] c 15 N75-13007
- KURYLO, M. J., III**
Ultraviolet atomic emission detector
[NASA-CASE-HQN-10756-1] c 14 N72-25428
- KURZHALS, P. R.**
Spacecraft experiment pointing and attitude control system Patent
[NASA-CASE-XLA-05464] c 21 N71-14132
- Attitude control and damping system for spacecraft Patent
[NASA-CASE-XLA-02551] c 21 N71-21708
- KUSHIDA, R. O.**
Hydrogen rich gas generator
[NASA-CASE-NPO-13342-1] c 37 N76-16446
- Hydrogen rich gas generator
[NASA-CASE-NPO-13342-2] c 44 N76-29700
- KWONG, H.**
The 1,2,4-oxadiazole elastomers
[NASA-CASE-ARC-11253-1] c 27 N81-17262
- Preparation of crosslinked 1,2,4-oxadiazole polymer
[NASA-CASE-ARC-11253-2] c 27 N82-24338
- KWONGS, H.**
Bifunctional monomers having terminal oxime and cyano or amidine groups
[NASA-CASE-ARC-11253-3] c 27 N81-24256

L

LA RUSSA, F. J.

- Array phasing device Patent
[NASA-CASE-ERC-10046] c 10 N71-18722
- LA VIGNA, T. A.**
Buck boost voltage regulation circuit Patent
[NASA-CASE-GSC-10735-1] c 10 N71-26085
- LACEY, R. E.**
Infusible silazane polymer and process for producing same
[NASA-CASE-XMF-02526-1] c 27 N79-21190
- LACKNER, H. G.**
Method and apparatus of simulating zero gravity conditions Patent
[NASA-CASE-MFS-12750] c 27 N71-16223
- Method and apparatus for checking the stability of a setup for making reflection type holograms
[NASA-CASE-MFS-21455-1] c 35 N74-15146
- LACY, L. L.**
Containerless high temperature calorimeter apparatus
[NASA-CASE-MFS-23923-1] c 35 N81-19426
- Method and apparatus for supercooling and solidifying substances
[NASA-CASE-MFS-25242-1] c 35 N83-29650
- LAFLAME, D. T.**
Pseudonoise code tracking loop
[NASA-CASE-MSC-18035-1] c 32 N81-15179
- LAICONA, F. P.**
Bonding of reinforced Teflon to metals
[NASA-CASE-MFS-20482] c 15 N72-22492
- Method of preparing graphite reinforced aluminum composite
[NASA-CASE-MFS-21077-1] c 24 N75-28135
- LAINE, D. D.**
Electromechanical actuator
[NASA-CASE-XNP-05975] c 15 N69-23185

LAMAR, J. E.

- Vortex-lift roll-control device
[NASA-CASE-LAR-11868-2] c 08 N79-14108
- LAMB, R. H.**
Hypersonic reentry vehicle Patent
[NASA-CASE-XMS-04142] c 31 N70-41631
- LAMBSON, K. H.**
Pressure control valve
[NASA-CASE-XNP-11251-1] c 37 N81-17433
- Spine immobilization apparatus
[NASA-CASE-ARC-11167-1] c 52 N81-25662
- LAMPERT, H. M.**
Bismuth-lead coatings for gas bearings used in atmospheric environments and vacuum chambers Patent
[NASA-CASE-XGS-02011] c 15 N71-20739
- LAMPSON, M. L.**
Resistive anode image converter
[NASA-CASE-HQN-10876-1] c 33 N76-27473
- LANDAUER, F. P.**
Means for generating a sync signal in an FM communication system Patent
[NASA-CASE-XNP-10830] c 07 N71-11281
- LANDAUER, F. P., JR.**
Multispectral imaging and analysis system
[NASA-CASE-NPO-13691-1] c 43 N79-17288
- LANDEL, R. F.**
Method for controlling vapor content of a gas
[NASA-CASE-NPO-10633] c 03 N72-28025
- Parallel-plate viscometer with double diaphragm suspension
[NASA-CASE-NPO-11387] c 14 N73-14429
- Preparation of alkali metal dispersions
[NASA-CASE-XNP-08876] c 17 N73-28573
- Polymers compositions and their method of manufacture
[NASA-CASE-NPO-10424-1] c 27 N81-24258
- LANDES, H. S.**
Active microwave inses and windows
[NASA-CASE-LAR-10513-1] c 07 N72-25170
- Thin film microwave ins
[NASA-CASE-LAR-10511-1] c 09 N72-29172
- LANE, J. W.**
Wide range dynamic pressure sensor
[NASA-CASE-ARC-10263-1] c 14 N72-22438
- LANEY, C. C., JR.**
Micrometeoroid velocity measuring device Patent
[NASA-CASE-XLA-00495] c 14 N70-41332
- Micrometeoroid penetration measuring device Patent
[NASA-CASE-XLA-00941] c 14 N71-23240
- LANFORD, W. E.**
Folding apparatus Patent
[NASA-CASE-XLA-00137] c 15 N70-33180
- Reflector space satellite Patent
[NASA-CASE-XLA-00138] c 31 N70-37981
- LANG, R.**
Venting device for pressurized space suit helmet Patent
[NASA-CASE-XMS-09652-1] c 05 N71-26333
- Protective garment ventilation system
[NASA-CASE-XMS-04928] c 54 N78-17679
- LANGE, O. H.**
Continuous detonation reaction engine Patent
[NASA-CASE-XMF-06926] c 28 N71-22983
- LANGE, R. A.**
Wideband heterodyne receiver for laser communication system
[NASA-CASE-GSC-12053-1] c 32 N77-28346
- LANGMUIR, R. V.**
Quadrupole mass filter with means to generate a noise spectrum exclusive of the resonant frequency of the desired ions to deflect stable ions
[NASA-CASE-XNP-04231] c 14 N73-32325
- LANSING, F. L.**
A stable density-stratification solar pond
[NASA-CASE-NPO-15419-1] c 44 N81-27599
- LANSING, J. C., JR.**
Method and apparatus for optically monitoring the angular position of a rotating mirror
[NASA-CASE-GSC-11353-1] c 74 N74-21304
- LANTZ, E.**
Gaseous control system for nuclear reactors
[NASA-CASE-XLE-04599] c 22 N72-20597
- LARK, R. F.**
Hybrid composite laminate structures
[NASA-CASE-LEW-12118-1] c 24 N77-27188
- LARMER, J. W.**
Conforming polisher for aspheric surface of revolution Patent
[NASA-CASE-XGS-02884] c 15 N71-22705
- LARSON, L. L.**
Coaxial injector for reaction motors
[NASA-CASE-NPO-11095] c 15 N72-25455
- LARSON, T. P.**
Filter regeneration systems
[NASA-CASE-MSC-14273-1] c 34 N75-33342

PERSONAL AUTHOR INDEX

LEININGER, D. B.

- LASH, T. J.**
Spatial energy distribution
[NASA-CASE-LAR-12631-1] c 35 N82-18557
- LATHAM, E. A.**
The engine air intake system
[NASA-CASE-ARC-10761-1] c 07 N77-18154
Aircraft engine nozzle
[NASA-CASE-ARC-10977-1] c 07 N80-32392
- LATTO, W. T., JR.**
Small rocket engine Patent
[NASA-CASE-XLE-00685] c 28 N70-41992
- LAU, K. Y.**
Fiber optic transmission line stabilization apparatus and method
[NASA-CASE-NPO-15036-1] c 74 N82-19029
- LAUB, J. H.**
Attitude control for spacecraft Patent
[NASA-CASE-XNP-00294] c 21 N70-36938
Slit regulated gas journal bearing Patent
[NASA-CASE-XNP-00478] c 15 N70-38620
- LAUDENSLAGER, J. B.**
Pulse switching for high energy lasers
[NASA-CASE-NPO-14556-1] c 33 N82-24418
- LAUDERDALE, W. R.**
Method and apparatus for securing to a spacecraft Patent
[NASA-CASE-MFS-11133] c 31 N71-16222
- LAUDERSLAGER, J. B.**
Charge transfer reaction laser with preionization means
[NASA-CASE-NPO-13945-1] c 36 N78-27402
- LAUE, E. G.**
Irradiance measuring device
[NASA-CASE-NPO-11493] c 14 N73-12447
Wind sensor
[NASA-CASE-NPO-13462-1] c 35 N76-24524
Passive intrusion detection system
[NASA-CASE-NPO-13804-1] c 33 N80-23559
Trace water sensor
[NASA-CASE-NPO-15722-1] c 35 N83-20084
Cloud cover sensor
[NASA-CASE-NPO-14936-1] c 47 N83-32232
- LAUE, H. H.**
Driving lamps by induction
[NASA-CASE-MFS-21214-1] c 09 N73-30181
- LAUE, J. H.**
Multi-mission module Patent
[NASA-CASE-XMF-01543] c 31 N71-17730
- LAUGHLIN, C. R., JR.**
Position location system and method Patent
[NASA-CASE-GSC-10087-2] c 21 N71-13958
Position location and data collection system and method Patent
[NASA-CASE-GSC-10083-1] c 30 N71-16090
Traffic control system and method Patent
[NASA-CASE-GSC-10087-1] c 02 N71-19287
Diversity receiving system with diversity phase lock Patent
[NASA-CASE-XGS-01222] c 10 N71-20841
Position location system and method
[NASA-CASE-GSC-10087-3] c 07 N72-12080
Doppler compensation by shifting transmitted object frequency within limits
[NASA-CASE-GSC-10087-4] c 07 N73-20174
- LAUMAN, E. A.**
Hydrogen-fueled engine
[NASA-CASE-NPO-13763-1] c 44 N78-33526
- LAURENCE, J. C.**
Method of fabricating a twisted composite superconductor
[NASA-CASE-LEW-11015] c 26 N73-32571
- LAURIE, R. O.**
Adjustable mount for a trihedral mirror Patent
[NASA-CASE-XNP-08907] c 23 N71-29123
- LAUSTEN, M. F.**
Spray applicator for spraying coatings and other fluids in space
[NASA-CASE-MSC-18852-1] c 37 N82-28640
- LAUVER, R. W.**
Chemical approach for controlling nadamide cure temperature and rate
[NASA-CASE-LEW-13770-1] c 27 N83-13258
Chemical approach for controlling nadamide cure temperature and rate
[NASA-CASE-LEW-13770-2] c 27 N83-30651
- LAUVIGNE, R. C.**
Position location and data collection system and method Patent
[NASA-CASE-GSC-10083-1] c 30 N71-16090
- LAWHITE, E.**
Drying apparatus for photographic sheet material
[NASA-CASE-GSC-11074-1] c 14 N73-28489
- LAWING, P. L.**
Hypersonic airbreathing missile
[NASA-CASE-LAR-12264-1] c 15 N78-32168
- Cooling system for high speed aircraft
[NASA-CASE-LAR-12406-1] c 05 N81-26114
- LAWRENCE, E. D.**
Variable frequency oscillator with temperature compensation Patent
[NASA-CASE-XNP-03916] c 09 N71-28810
- LAWRENCE, T. R.**
Focused laser Doppler velocimeter
[NASA-CASE-MFS-23178-1] c 35 N77-10493
Wind measurement system
[NASA-CASE-MFS-23362-1] c 47 N77-10753
- LAWSON, A. G.**
Shell tile thermal protection system
[NASA-CASE-LAR-12862-1] c 24 N83-17602
Modified spiral wound retaining ring
[NASA-CASE-LAR-12361-1] c 37 N83-19091
- LAWSON, B. D.**
Assembly for recovering a capsule Patent
[NASA-CASE-XMF-00641] c 31 N70-36410
Space capsule ejection assembly Patent
[NASA-CASE-XMF-03169] c 31 N71-15675
Mount for continuously orienting a collector dish in a system adapted to perform both diurnal and seasonal solar tracking
[NASA-CASE-MFS-23267-1] c 35 N77-20401
- LAWSON, D. D.**
Polymenc electrolytic hygrometer
[NASA-CASE-NPO-13948-1] c 35 N78-25391
Dual membrane hollow fiber fuel cell and method of operating same
[NASA-CASE-NPO-13732-1] c 44 N79-10513
Thermochemical generation of hydrogen
[NASA-CASE-NPO-15015-1] c 25 N82-28368
- LAYLAND, J. W.**
Communications link for computers
[NASA-CASE-NPO-11161] c 08 N72-25207
Digital demodulator-correlator
[NASA-CASE-NPO-13982-1] c 32 N79-14267
- LE BEL, P. J.**
Ablation sensor Patent
[NASA-CASE-XLA-01794] c 33 N71-21586
- LE DOUX, F. N.**
Bacteriostatic conformal coating and methods of application Patent
[NASA-CASE-GSC-10007] c 18 N71-16046
- LE VAY, K. H.**
Holder for crystal resonators Patent
[NASA-CASE-XNP-03637] c 15 N71-21311
- LEATHERWOOD, J. D.**
Active vibration isolator for flexible bodies Patent
[NASA-CASE-LAR-10106-1] c 15 N71-27169
- LEATHERWOOD, J. E.**
Ride quality meter
[NASA-CASE-LAR-12882-1] c 54 N81-31848
- LEAVY, W. A.**
Switching mechanism with energy storage means Patent
[NASA-CASE-XGS-00473] c 03 N70-38713
Antenna deployment mechanism for use with a spacecraft
[NASA-CASE-GSC-12331-1] c 18 N80-14183
- LEBLANC, L. P.**
Thermocouple, multiple junction reference oven
[NASA-CASE-FRC-10112-1] c 35 N81-26431
- LEDBETTER, F. E.**
Process for producing tris (N-methylamino) methylsilane
[NASA-CASE-MFS-25721-1] c 25 N83-25811
- LEDBETTER, F. E., III**
Method of bonding plasticized elastomer to metal and articles produced thereby
[NASA-CASE-MFS-25181-1] c 27 N82-24340
- LEE, C. E.**
Trigonometric vehicle guidance assembly which aligns the three perpendicular axes of two three-axes systems Patent
[NASA-CASE-XMF-00684] c 21 N71-21688
- LEE, D. A.**
Hermetically sealed explosive release mechanism Patent
[NASA-CASE-XGS-00824] c 15 N71-16078
- LEE, D. H.**
Ignition means for monopropellant Patent
[NASA-CASE-XNP-00876] c 28 N70-41311
- LEE, J. H.**
A solar pumped laser
[NASA-CASE-LAR-12870-1] c 36 N82-25497
Solar driven liquid metal MHD power generator
[NASA-CASE-LAR-12495-1] c 44 N83-28573
- LEE, J. S.**
High voltage transistor circuit Patent
[NASA-CASE-XNP-06937] c 09 N71-19516
- LEE, M. C.**
Dual resonant cavity absorption cell Patent
[NASA-CASE-LAR-10305] c 14 N71-26137
- Acoustic suspension system
[NASA-CASE-NPO-15435-1] c 71 N81-27887
Contactless pellet fabrication
[NASA-CASE-NPO-15592-1] c 31 N83-17746
Production of ultrapure amorphous metals utilizing acoustic cooling
[NASA-CASE-NPO-15658-1] c 26 N83-19890
Acoustic suspension system
[NASA-CASE-NPO-15435-1] c 71 N83-36846
- LEE, R. D.**
Telemetry actuated switch
[NASA-CASE-ARC-10105] c 09 N72-17153
Metallic intrusion detector system
[NASA-CASE-ARC-10265-1] c 10 N72-28240
Intruder detection system
[NASA-CASE-ARC-10097-2] c 07 N73-25160
Ultrasonic biomedical measuring and recording apparatus
[NASA-CASE-ARC-10597-1] c 52 N74-20726
Bio-isolated dc operational amplifier
[NASA-CASE-ARC-10596-1] c 33 N74-21851
Reference apparatus for medical ultrasonic transducer
[NASA-CASE-ARC-10753-1] c 54 N75-27760
Biomedical ultrasonoscope
[NASA-CASE-ARC-10994-1] c 52 N76-33835
Biomedical ultrasonoscope
[NASA-CASE-ARC-10994-2] c 52 N78-26771
Scanning seismic intrusion detection method and apparatus
[NASA-CASE-ARC-11317-1] c 35 N83-34272
- LEE, S. H.**
Method and apparatus for producing an image from a transparent object
[NASA-CASE-GSC-11989-1] c 74 N77-28932
- LEE, S. Y.**
Physical correction filter for improving the optical quality of an image
[NASA-CASE-HQN-10542-1] c 74 N75-25706
Method of neutralizing the corrosive surface of amine-cured epoxy resins
[NASA-CASE-GSC-12686-1] c 27 N83-34039
- LEE, W. S.**
Surface finishing
[NASA-CASE-MSC-12631-1] c 24 N77-28225
Surface finishing
[NASA-CASE-MSC-12631-3] c 27 N81-14077
- LEEB, W. R.**
Method and apparatus for splitting a beam of energy
[NASA-CASE-GSC-12083-1] c 73 N78-32848
- LEEPER, W. A.**
High efficiency multifrequency feed
[NASA-CASE-GSC-11909] c 32 N74-20863
- LEES, W. L.**
Field ionization electrodes Patent
[NASA-CASE-ERC-10013] c 09 N71-26678
Method and apparatus for limiting field emission current
[NASA-CASE-ERC-10015-2] c 10 N72-27246
- LEFEVER, A. E.**
Directional gear ratio transmission
[NASA-CASE-LAR-12644-1] c 37 N82-29605
- LEFFKE, W. O.**
Flexibly connected support and skin Patent
[NASA-CASE-XLA-01027] c 31 N71-24035
- LEFTWICH, R. F.**
Multi-lobar scan horizon sensor Patent
[NASA-CASE-XGS-00809] c 21 N70-35427
- LEGER, L. J.**
Method and device for detection of surface discontinuities or defects
[NASA-CASE-MSC-14187-1] c 35 N74-32879
Thermal insulation attaching means
[NASA-CASE-MSC-12619-2] c 27 N79-12221
High temperature emittance coatings and coating compositions
[NASA-CASE-MSC-18851-1] c 27 N82-26480
- LEHMANN, E. N.**
Fluid thrust control system
[NASA-CASE-XMF-05984-1] c 20 N79-21124
- LEHOCZYK, S. L.**
Method of preparing radially homogeneous mercury cadmium telluride crystals
[NASA-CASE-MFS-25786-1] c 76 N83-18533
- LEIBECKI, H. F.**
Electrically conductive fluorocarbon polymer
[NASA-CASE-XLE-06774-2] c 06 N72-25150
- LEIBERT, C. H.**
Thermal barrier coating system
[NASA-CASE-LEW-12554-1] c 34 N78-18355
- LEIBOWITZ, L. P.**
Annular arc accelerator shock tube
[NASA-CASE-NPO-13528-1] c 09 N77-10071
- LEININGER, D. B.**
Telephone multiline signaling using common signal pair
[NASA-CASE-KSC-11023-1] c 32 N79-23310

- LEINKRAM, C. Z.**
GaAs Schottky barrier photo-responsive device and method of fabrication
[NASA-CASE-GSC-12816-1] c 76 N83-30268
- LEIPOLD, M. H.**
Method of controlling defect orientation in silicon crystal ribbon growth
[NASA-CASE-NPO-13918-1] c 76 N79-11920
- LEISER, D. B.**
Silica reusable surface insulation
[NASA-CASE-ARC-10721-1] c 27 N76-22376
Reaction cured glass and glass coatings
[NASA-CASE-ARC-11051-1] c 27 N78-32260
Fibrous refractory composite insulation
[NASA-CASE-ARC-11169-1] c 24 N79-24062
Adjustable high emittance gap filler
[NASA-CASE-ARC-11310-1] c 27 N82-24339
High temperature glass thermal control structure and coating
[NASA-CASE-ARC-11164-1] c 44 N83-34448
- LEISS, A.**
Air frame drag balance Patent
[NASA-CASE-XLA-00113] c 14 N70-33386
- LEMCOE, M. M.**
Attaching of strain gages to substrates
[NASA-CASE-FRC-10093-1] c 35 N80-20560
- LEMONS, F. R.**
Metallic hot wire anemometer
[NASA-CASE-ARC-10911-1] c 35 N77-20400
- LEMONSON, P. H.**
Broadband modified turnstile antenna Patent
[NASA-CASE-MSC-12209] c 09 N71-24842
- LENAHAN, D. T.**
Air modulation apparatus
[NASA-CASE-LEW-13524-1] c 34 N83-30957
- LENETT, S. D.**
Receiving and tracking phase modulated signals
[NASA-CASE-MSC-16170-2] c 32 N81-16338
- LENNON, C. L.**
Remote lightning monitor system
[NASA-CASE-KSC-11031-1] c 33 N79-11315
Lightning discharge identification system
[NASA-CASE-KSC-11099-1] c 47 N82-24779
- LENT, W. E.**
Method for fibering ceramic materials Patent
[NASA-CASE-XNP-00597] c 18 N71-23088
- LEON, H. A.**
Stirring apparatus for plural test tubes Patent
[NASA-CASE-XAC-06956] c 15 N71-21177
Automatic real-time pair-feeding system for animals
[NASA-CASE-ARC-10302-1] c 51 N74-15778
- LEONARD, E. T.**
Alignment apparatus using a laser having a gravitationally sensitive cavity reflector
[NASA-CASE-ARC-10444-1] c 16 N73-33397
- LEPP, D. R.**
Phototropic composition of matter
[NASA-CASE-XGS-03736] c 14 N72-22443
- LENER, N. R.**
Method of carbonizing polyacrylonitrile fibers
[NASA-CASE-ARC-11261-1] c 24 N83-25789
- LENER, T.**
Modulator for tone and binary signals
[NASA-CASE-GSC-11743-1] c 32 N75-24981
- LESH, J. R.**
Multiple rate digital command detection system with range clean-up capability
[NASA-CASE-NPO-13753-1] c 32 N77-20289
Electronic con scanning spacecraft communication system
[NASA-CASE-NPO-15899-1] c 32 N83-19970
Integrated opto-electronic laser beam deflector position detector
[NASA-CASE-NPO-15943-1] c 36 N83-20092
- LESKO, J. G., JR.**
Programmable telemetry system Patent
[NASA-CASE-GSC-10131-1] c 07 N71-24624
- LESNIEWSKI, R. J.**
Variable digital processor including a register for shifting and rotating bits in either direction Patent
[NASA-CASE-GSC-10186] c 08 N71-33110
Data processor with conditionally supplied clock signals
[NASA-CASE-GSC-10975-1] c 08 N73-13187
- LESSLEY, R. L.**
Rotating shaft seal Patent
[NASA-CASE-XNP-02862-1] c 15 N71-26294
- LESSMANN, G. G.**
Bimetallic junctions
[NASA-CASE-LEW-11573-1] c 26 N77-28265
- LEVIN, H.**
Refractory porcelain enamel passive control coating for high temperature alloys
[NASA-CASE-MFS-22324-1] c 27 N75-27160
Thermal reactor
[NASA-CASE-NPO-14369-1] c 44 N83-10501
- LEVIN, K. L.**
Lunar landing flight research vehicle Patent
[NASA-CASE-XFR-00929] c 31 N70-34966
- LEVINE, M. W.**
Atomic hydrogen maser with bulb temperature control to remove wall shift in maser output frequency
[NASA-CASE-HQN-10654-1] c 16 N73-13489
Tunable cavity resonator with ramp shaped supports
[NASA-CASE-HQN-10790-1] c 36 N74-11313
- LEVINE, S. R.**
Fused silicide coatings containing discrete particles for protecting niobium alloys
[NASA-CASE-LEW-11179-1] c 27 N76-16229
Corrosion resistant thermal barrier coating
[NASA-CASE-LEW-13088-1] c 26 N81-25188
Overlay metallic-cermet alloy coating systems
[NASA-CASE-LEW-13639-1] c 27 N82-33522
Coating with overlay metallic-cermet alloy systems
[NASA-CASE-LEW-13639-2] c 26 N83-17683
- LEVINSON, M.**
Conforming polisher for aspheric surface of revolution Patent
[NASA-CASE-XGS-02884] c 15 N71-22705
- LEVIS, C. A.**
Distributed-switch Dicke radiometers
[NASA-CASE-GSC-12219-1] c 35 N80-18359
- LEVY, G. S.**
Multi-feed cone Cassegrain antenna Patent
[NASA-CASE-NPO-10539] c 07 N71-11285
- LEWICKI, G. W.**
High voltage transistor amplifier with constant current load
[NASA-CASE-NPO-11023] c 09 N72-17155
Thermomagnetic recording and magneto-optic playback system having constant intensity laser beam control
[NASA-CASE-NPO-11317-2] c 36 N74-13205
Use of thin film light detector
[NASA-CASE-NPO-11432-2] c 35 N74-15090
Stored charge transistor
[NASA-CASE-NPO-11156-2] c 33 N75-31331
Magneto-optic detection system with noise cancellation
[NASA-CASE-NPO-11954-1] c 35 N78-29421
Thermomagnetic recording and magneto-optic playback system
[NASA-CASE-NPO-10872-1] c 35 N79-16246
Manganese bismuth films with narrow transfer characteristics for Cune-point switching
[NASA-CASE-NPO-11336-1] c 76 N79-16678
- LEWIS, B. F.**
Photoelectron spectrometer with means for stabilizing sample surface potential
[NASA-CASE-NPO-13772-1] c 35 N78-10429
- LEWIS, B. W.**
Process for applying black coating to metals Patent
[NASA-CASE-XLA-06199] c 15 N71-24875
Banum release system
[NASA-CASE-LAR-10670-1] c 06 N73-30097
Rocket having banum release system to create ion clouds in the upper atmosphere
[NASA-CASE-LAR-10670-2] c 15 N74-27360
- LEWIS, D. J.**
Mandrel for shaping solid propellant rocket fuel into a motor casing Patent
[NASA-CASE-XLA-00304] c 27 N70-34783
Solid propellant rocket motor and method of making same
[NASA-CASE-XLA-1349] c 20 N77-17143
- LEWIS, G. W.**
Subminiature insertable force transducer
[NASA-CASE-NPO-13423-1] c 33 N75-31329
Miniature muscle displacement transducer
[NASA-CASE-NPO-13519-1] c 33 N76-19338
Myocardium wall thickness transducer and measuring method
[NASA-CASE-NPO-13644-1] c 52 N76-29895
Catheter tip force transducer for cardiovascular research
[NASA-CASE-NPO-13643-1] c 52 N76-29896
Simultaneous muscle force and displacement transducer
[NASA-CASE-NPO-14212-1] c 52 N80-27072
Multifunctional transducer
[NASA-CASE-NPO-14329-1] c 52 N81-20703
- LEWIS, J. R.**
Automatic transponder
[NASA-CASE-GSC-12075-1] c 32 N77-31350
- LEWIS, R.**
High temperature ferromagnetic cobalt-base alloy Patent
[NASA-CASE-XLE-03629] c 17 N71-23248
- LEWIS, T. L.**
Acoustical transducer calibrating system and apparatus
[NASA-CASE-FRC-10060-1] c 14 N73-27379
- LEWYN, L. L.**
Analog-to-digital converter
[NASA-CASE-XNP-00477] c 08 N73-28045
- LI, S. P.**
Induced junction solar cell and method of fabrication
[NASA-CASE-NPO-13786-1] c 44 N80-29835
- LIBBEY, C. E.**
Flexible wing deployment device Patent
[NASA-CASE-XLA-01220] c 02 N70-41863
- LIBBY, J. N.**
Ultra-long monostable multivibrator employing bistable semiconductor switch to allow charging of timing circuit Patent
[NASA-CASE-XGS-00381] c 09 N70-34819
Reversible ring counter employing cascaded single SCR stages Patent
[NASA-CASE-XGS-01473] c 09 N71-10673
- LIBBY, W. F.**
Continuous plasma light source
[NASA-CASE-XNP-04167-2] c 25 N72-24753
Continuous plasma laser
[NASA-CASE-XNP-04167-3] c 36 N77-19416
- LIBEROTTI, J.**
Valving device for automatic refilling in cryogenic liquid systems
[NASA-CASE-NPO-11177] c 15 N72-17453
- LIEBERMAN, S.**
Resonant infrasonic gauging apparatus
[NASA-CASE-MSC-11847-1] c 14 N72-11363
- LIEBERT, C. H.**
Covering solid, film cooled surfaces with a duplex thermal barrier coating
[NASA-CASE-LEW-13450-1] c 31 N83-35177
- LIGHT, D. J.**
Fixture for supporting articles during vibration tests
[NASA-CASE-MFS-20523] c 14 N72-27412
- LIGHTSEY, G. R.**
Preparation of polyimides from mixtures of monomeric diamines and esters of polycarboxylic acids
[NASA-CASE-LEW-11325-1] c 06 N73-27980
- LILLEY, A. E.**
Clear air turbulence detector
[NASA-CASE-ERC-10081] c 14 N72-28437
- LIM, L. Y.**
Signal processing apparatus for multiplex transmission Patent
[NASA-CASE-NPO-10388] c 07 N71-24622
- LIN, E. I. H.**
Saltless solar pond
[NASA-CASE-NPO-15808-1] c 44 N82-29714
- LINDBERG, J. G.**
Method and apparatus for varying thermal conductivity Patent
[NASA-CASE-XNP-05524] c 33 N71-24876
- LINDBERG, R. A.**
High temperature beryllium oxide capacitor
[NASA-CASE-LEW-11938-1] c 33 N76-15373
Bimetallic junctions
[NASA-CASE-LEW-11573-1] c 26 N77-28265
- LINDERFELT, H. R.**
An airlock
[NASA-CASE-MFS-20922] c 31 N72-20840
Airlock
[NASA-CASE-MFS-20922-1] c 18 N74-22136
- LINDSEY, J. F., III**
Flexible blade antenna Patent
[NASA-CASE-MSC-12101] c 09 N71-18720
- LINDSEY, R. S., JR.**
Pulse stretcher for narrow pulses
[NASA-CASE-MSC-14130-1] c 33 N74-32711
Random pulse generator
[NASA-CASE-MSC-14131-1] c 33 N75-19515
- LINDSEY, W. C.**
Transition tracking bit synchronization system
[NASA-CASE-NPO-10844] c 07 N72-20140
Data-aided carrier tracking loops
[NASA-CASE-NPO-11282] c 10 N73-16205
Coherent receiver employing nonlinear coherence detection for carrier tracking
[NASA-CASE-NPO-11921-1] c 32 N74-30523
- LINDSEY, W. F.**
Stereo photomicrography system
[NASA-CASE-LAR-10176-1] c 14 N72-20380
- LINEBACK, L. D.**
Thermal shock resistant hafnia ceramic material
[NASA-CASE-LAR-10894-1] c 18 N73-14584
- LINFORD, R. M. F.**
Flame detector operable in presence of proton radiation
[NASA-CASE-MFS-21577-1] c 19 N74-29410
- LING, A. C.**
Fire extinguishant materials
[NASA-CASE-ARC-11252-1] c 25 N83-36118

- LING, S. C.**
Flux sensing device using a tubular core with toroidal gating coil and solenoidal output coil wound thereon Patent
[NASA-CASE-XGS-01881] c 09 N70-40123
- LINGLE, J. T.**
Frequency control network for a current feedback oscillator Patent
[NASA-CASE-GSC-10041-1] c 10 N71-19418
Static inverter Patent
[NASA-CASE-XGS-05289] c 09 N71-19470
- LIPANOVICH, M. I.**
Medical subject monitoring systems
[NASA-CASE-MSC-14180-1] c 52 N76-14757
- LIPKE, D. W.**
Doppler frequency spread correction device for multiplex transmissions
[NASA-CASE-XGS-02749] c 07 N69-39978
- LIPKIS, R. R.**
Electromagnetic radiation energy arrangement
[NASA-CASE-WOO-00428-1] c 32 N79-19186
- LIPOMA, P. C.**
Television signal scan rate conversion system Patent
[NASA-CASE-XMS-07168] c 07 N71-11300
Burst synchronization detection system Patent
[NASA-CASE-XMS-05605-1] c 10 N71-19468
Data storage, image tube type
[NASA-CASE-MSC-14053-1] c 60 N74-12888
System for producing chroma signals
[NASA-CASE-MSC-14683-1] c 74 N77-18893
- LIPPITT, M. W., JR.**
Electrode for biological recording
[NASA-CASE-XMS-02872] c 05 N69-21925
Instrument for use in performing a controlled Valsalva maneuver Patent
[NASA-CASE-XMS-01615] c 05 N70-41329
- LIPSHITZ, A.**
Modified face seal for positive film stiffness
[NASA-CASE-LEW-12989-1] c 37 N82-12442
- LISAGOR, W. B.**
Controlled glass bead peening Patent
[NASA-CASE-XLA-07390] c 15 N71-18616
Fixture for environmental exposure of structural materials under compression load
[NASA-CASE-LAR-12602-1] c 39 N83-32081
- LISLE, R. V.**
Lightning current measuring systems
[NASA-CASE-KSC-10807-1] c 33 N75-26246
Automatic flowmeter calibration system
[NASA-CASE-KSC-11076-1] c 34 N81-26402
- LISOVICZ, E. J.**
High contrast cathode ray tube
[NASA-CASE-ERC-10468] c 09 N72-20206
- LIST, W. F.**
Solid state television camera system Patent
[NASA-CASE-XMF-06092] c 07 N71-24612
Phototransistor imaging system
[NASA-CASE-MFS-20809] c 23 N73-13660
- LISTER, J. L.**
Thermally conductive polymers
[NASA-CASE-GSC-11304-1] c 06 N72-21105
- LITANT, I.**
Apparatus and method for separating a semiconductor wafer Patent
[NASA-CASE-ERC-10138] c 26 N71-14354
Method for detecting leaks in hermetically sealed containers Patent
[NASA-CASE-ERC-10045] c 15 N71-24910
- LITCHFORD, G. B.**
Altitude measuring system
[NASA-CASE-ERC-10412-1] c 09 N73-12211
- LITTLE, B. D.**
Hot melt adhesive attachment pad
[NASA-CASE-LAR-12894-1] c 27 N83-34044
- LITTLE, R. E.**
Method of making pressure tight seal for super alloy
[NASA-CASE-LAR-10170-1] c 37 N74-11301
- LITTLEJOHN, D. P.**
High power-high voltage waterload Patent
[NASA-CASE-XNP-05381] c 09 N71-20842
- LIU, C. C.**
Method and device for the detection of phenol and related compounds
[NASA-CASE-LEW-12513-1] c 25 N79-22235
- LIU, F. F.**
Respiratory analysis system and method
[NASA-CASE-MSC-13436-1] c 05 N73-32015
- LIU, J. K.**
Method of increasing minority carrier lifetime in silicon web or the like
[NASA-CASE-NPO-15530-1] c 76 N83-35888
- LIU, K. Y.**
A pipelined digital SAR azimuth correlator using hybrid FFT/transversal-filter
[NASA-CASE-NPO-15519-1] c 32 N82-12298
- LIVERMORE, S. F.**
Lightning current detector
[NASA-CASE-KSC-11057-1] c 33 N79-14305
- LOYD, W. B.**
Bearing and gimbal lock mechanism and spiral flex lead module Patent
[NASA-CASE-GSC-10556-1] c 31 N71-26537
- LOCH, F. J.**
Frequency modulation demodulator threshold extension device Patent
[NASA-CASE-MSC-12165-1] c 07 N71-33696
- LOCKARD, M. L.**
Leak detector Patent
[NASA-CASE-LAR-10323-1] c 12 N71-17573
- LOCKMAN, C. S.**
Method and apparatus for nondestructive testing of pressure vessels
[NASA-CASE-NPO-12142-1] c 38 N76-28563
- LOCKWOOD, V. E.**
Landing arrangement for aerial vehicles Patent
[NASA-CASE-XLA-00142] c 02 N70-33286
Landing arrangement for aerial vehicle Patent
[NASA-CASE-XLA-00806] c 02 N70-34858
Landing arrangement for aerospace vehicle Patent
[NASA-CASE-XLA-00805] c 31 N70-38010
- LOFTIN, L. K., JR.**
Wind tunnel airstream oscillating apparatus Patent
[NASA-CASE-XLA-00112] c 11 N70-33287
- LOGAN, K. E.**
Active lamp pulse driver circuit
[NASA-CASE-GSC-12566-1] c 33 N83-34189
- LOGAN, W. R.**
Method of preparing zinc orthotitanate pigment
[NASA-CASE-MFS-23345-1] c 27 N77-30237
- LOH, G. M.**
Medical subject monitoring systems
[NASA-CASE-MSC-14180-1] c 52 N76-14757
- LOHR, J. J.**
Variable stiffness polymeric damper
[NASA-CASE-XAC-11225] c 14 N69-27486
- LOKERSON, D. C.**
Voltage to frequency converter Patent
[NASA-CASE-GSC-10022-1] c 10 N71-25882
X-Y alphanumeric character generator for oscilloscopes
[NASA-CASE-GSC-11582-1] c 33 N75-19517
Speech analyzer
[NASA-CASE-GSC-11898-1] c 32 N77-30309
- LOMBARDI, F.**
Head for high speed spinner having a vacuum chuck
[NASA-CASE-NPO-15227-1] c 37 N81-33482
Hermetic seal for a shaft
[NASA-CASE-NPO-15115-1] c 37 N82-24493
- LONBORG, J. O.**
Altitude control for spacecraft Patent
[NASA-CASE-XNP-02982] c 31 N70-41855
- LONG, E. R., JR.**
Thermoluminescent aerosol analysis
[NASA-CASE-LAR-12046-1] c 25 N78-15210
- LONG, H. R.**
Precipitation detector Patent
[NASA-CASE-XLA-02619] c 10 N71-26334
- LONG, M. J.**
Interlocking wedge joint
[NASA-CASE-LAR-12729-1] c 37 N82-26676
Securable bearing stress-strain indicator
[NASA-CASE-LAR-12774-1] c 35 N83-29654
- LONG, W. C.**
Technique for extending the frequency range of digital dividers
[NASA-CASE-LAR-10730-1] c 33 N74-10223
Non-destructive method for applying and removing instrumentation on helicopter rotor blades
[NASA-CASE-LAR-11201-1] c 35 N78-24515
- LONGYEAR, W. D.**
Omnidirectional acceleration device Patent
[NASA-CASE-HQN-10780] c 14 N71-30265
- LOOK, G. F.**
Foam generator Patent
[NASA-CASE-XLA-00838] c 03 N70-36778
- LOOP, R. W.**
Absolute focus lock for microscopes
[NASA-CASE-LAR-10184] c 14 N72-22445
- LOOSE, J. D.**
Steady state thermal radiometers
[NASA-CASE-MFS-21108-1] c 34 N74-27861
- LOPEZ, A. E.**
Three-axis finger tip controller for switches Patent
[NASA-CASE-XAC-02405] c 09 N71-16089
- LORD, H. C., III**
Analysis of hydrogen-deuterium mixtures
[NASA-CASE-NPO-11322] c 06 N72-25146
- LORELL, K. R.**
High temperature lens construction Patent
[NASA-CASE-XNP-04111] c 14 N71-15622
- All sky pointing attitude control system
[NASA-CASE-ARC-10716-1] c 35 N77-20399
- LOTHSCHUETZ, F. X.**
Stretcher Patent
[NASA-CASE-XMF-06589] c 05 N71-23159
- LOTT, D. R.**
Method of fabricating a photovoltaic module of a substantially transparent construction
[NASA-CASE-NPO-14303-1] c 44 N80-18550
- LOUGHEAD, A. G.**
Linear differential pressure sensor Patent
[NASA-CASE-XMF-01974] c 14 N71-22752
- LOUGHEAD, T. E.**
Satellite retrieval system
[NASA-CASE-MFS-25403-1] c 18 N83-29303
- LOUNSBERRY, E. D.**
Jet shoes
[NASA-CASE-XLA-08491] c 05 N69-21380
- LOVALL, D. D.**
Electric field measuring and display system
[NASA-CASE-KSC-10731-1] c 33 N74-27862
- LOVELACE, A. M.**
Control means for a solid state crossbar switch
[NASA-CASE-NPO-15066-1] c 33 N82-29538
Apparatus for accurately preloading auger attachment means for frangible protective material
[NASA-CASE-MSC-18791-1] c 37 N83-36482
- LOVELL, J. S.**
Portable breathing system
[NASA-CASE-MSC-16182-1] c 54 N80-10799
- LOVELL, R. R.**
Process for preparing liquid metal electrical contact device
[NASA-CASE-LEW-11978-1] c 33 N77-26385
- LOVELOCK, J. E.**
Atmospheric sampling devices
[NASA-CASE-NPO-11373] c 13 N72-25323
- LOVINGER, D. N.**
Voice operated controller Patent
[NASA-CASE-XLA-04063] c 31 N71-33160
- LOWE, E. G.**
Continuous turning slip ring assembly Patent
[NASA-CASE-XMF-01049] c 15 N71-23049
- LOWELL, C. E.**
Nickel ternary alloy having improved cyclic oxidation resistance
[NASA-CASE-LEW-13339-1] c 26 N82-31505
Improved nickel base coating alloy
[NASA-CASE-LEW-13834-1] c 26 N83-24639
- LOWEN, I. B.**
Spacecraft attitude detection system by stellar reference Patent
[NASA-CASE-XGS-03431] c 21 N71-15642
Roll alignment detector
[NASA-CASE-GSC-10514-1] c 14 N72-20379
- LOWERY, J. R.**
Panel for selectively absorbing solar thermal energy and the method of producing said panel
[NASA-CASE-MFS-22562-1] c 44 N76-14595
- LOWRY, J. G.**
Jet aircraft configuration Patent
[NASA-CASE-XLA-00087] c 02 N70-33332
Variable-span aircraft Patent
[NASA-CASE-XLA-00166] c 02 N70-34178
- LOY, C. A.**
Tank construction for space vehicles Patent
[NASA-CASE-XMF-01899] c 31 N70-41948
- LOYD, C.**
System for maintaining a motor at a predetermined speed utilizing digital feedback means Patent
[NASA-CASE-XMF-06892] c 09 N71-24805
RC rate generator for slow speed measurement Patent
[NASA-CASE-XMF-02966] c 10 N71-24863
- LUBOWITZ, H. R.**
Ablative resin Patent
[NASA-CASE-XLE-05913] c 33 N71-14032
Reinforced structural plastics
[NASA-CASE-LEW-10199-1] c 27 N74-23125
- LUCAS, C. H.**
Analog to digital converter
[NASA-CASE-NPO-13385-1] c 33 N76-18345
- LUCERO, D. P.**
Method for detecting hydrogen gas
[NASA-CASE-XMF-03873] c 06 N69-39733
- LUCHT, R. A.**
A technique for breaking ice in the path of a ship
[NASA-CASE-LAR-10815-1] c 16 N72-22520
- LUCY, M. H.**
Molded composite pyrogen igniter for rocket motors
[NASA-CASE-LAR-12018-1] c 20 N78-24275
- LUDWIG, A. C.**
Dual waveguide mode source having control means for adjusting the relative amplitude of two modes Patent
[NASA-CASE-XNP-03134] c 07 N71-10676

- Singly-curved reflector for use in high-gain antennas
[NASA-CASE-NPO-11361] c 07 N72-32169
- Dual frequency microwave reflex feed
[NASA-CASE-NPO-13091-1] c 09 N73-12214
- Low loss dichroic plate
[NASA-CASE-NPO-13171-1] c 32 N74-11000
- LUDWIG, L. P.**
- Foil seal
[NASA-CASE-XLE-05130] c 15 N69-21362
- Foil seal Patent
[NASA-CASE-XLE-05130-2] c 15 N71-19570
- Spiral groove seal
[NASA-CASE-XLE-10326-2] c 15 N72-29488
- Spiral groove seal
[NASA-CASE-LEW-10326-3] c 37 N74-10474
- Spiral groove seal
[NASA-CASE-XLE-10326-4] c 37 N74-15125
- High speed, self-acting shaft seal
[NASA-CASE-LEW-11274-1] c 37 N75-21631
- Fluid seal for rotating shafts
[NASA-CASE-LEW-11676-1] c 37 N76-22541
- Counter pumping debris excluder and separator
[NASA-CASE-LEW-11855-1] c 07 N78-25090
- Composite seal for turbomachinery
[NASA-CASE-LEW-12131-1] c 37 N79-18318
- Shaft seal assembly for high speed and high pressure applications
[NASA-CASE-LEW-11873-1] c 37 N79-22475
- Composite seal for turbomachinery
[NASA-CASE-LEW-12131-2] c 37 N80-26658
- Circumferential shaft seal
[NASA-CASE-LEW-12119-1] c 37 N80-28711
- Multiple plate hydrostatic viscous damper
[NASA-CASE-LEW-12445-1] c 37 N81-22360
- Circumferential shaft seal
[NASA-CASE-LEW-12119-2] c 37 N81-26447
- Composite seal for turbomachinery
[NASA-CASE-LEW-12131-3] c 37 N82-19540
- Multiple plate hydrostatic viscous damper
[NASA-CASE-LEW-13445-2] c 37 N83-17883
- LUEBBERS, S. S.**
- Thermionic tantalum emitter doped with oxygen Patent
Application
[NASA-CASE-NPO-11138] c 03 N70-34646
- Thermionic diode switch Patent
[NASA-CASE-NPO-10404] c 03 N71-12255
- LUEBERING, G. W.**
- Blade retainer assembly
[NASA-CASE-LEW-12608-1] c 07 N77-27116
- LUM, H.**
- Sampling video compression system
[NASA-CASE-ARC-10984-1] c 32 N77-24328
- LUNCE, R. S.**
- Medical subject monitoring systems
[NASA-CASE-MS-C-14180-1] c 52 N76-14757
- LUND, G. F.**
- Pocket ECG electrode
[NASA-CASE-ARC-11258-1] c 52 N80-33081
- Subcutaneous electrode structure
[NASA-CASE-ARC-11117-1] c 52 N81-14612
- LUND, W. C.**
- Heated porous plug microthruster
[NASA-CASE-GSC-10640-1] c 28 N72-18766
- LUNDQUIST, J. R.**
- Preparation of high purity copper fluoride
[NASA-CASE-LEW-10794-1] c 06 N72-17093
- LUPTON, M. W.**
- Micronized coal burner facility
[NASA-CASE-LEW-13426-1] c 44 N82-31769
- LUSHBAUGH, W. A.**
- Data compression system
[NASA-CASE-XNP-09785] c 08 N69-21928
- Data compressor Patent
[NASA-CASE-XNP-04067] c 08 N71-22707
- Error correcting method and apparatus Patent
[NASA-CASE-XNP-02748] c 08 N71-22749
- Comparator for the comparison of two binary numbers Patent
[NASA-CASE-XNP-04819] c 08 N71-23295
- Parallel generation of the check bits of a PN sequence Patent
[NASA-CASE-XNP-04623] c 10 N71-26103
- Versatile arithmetic unit for high speed sequential decoder
[NASA-CASE-NPO-11371] c 08 N73-12177
- LUTES, G. F.**
- Precise RF timing signal distribution to remote stations
[NASA-CASE-NPO-14749-1] c 32 N81-14186
- LUTES, G. F., JR.**
- Broadband stable power multiplier Patent
[NASA-CASE-XNP-10854] c 10 N71-26331
- Cascaded complementary pair broadband transistor amplifiers Patent
[NASA-CASE-NPO-10003] c 10 N71-26415
- Low phase noise digital frequency divider
[NASA-CASE-NPO-11569] c 10 N73-26229

- Fiber optic transmission line stabilization apparatus and method
[NASA-CASE-NPO-15036-1] c 74 N82-19029
- LUTUS, P.**
- Direct current ballast circuit for metal halide lamp
[NASA-CASE-MSC-18407-1] c 33 N82-24427
- LUTZ, E. B.**
- Operational integrator Patent
[NASA-CASE-NPO-10230] c 09 N71-12520
- LYLAND, J. W.**
- Versatile arithmetic unit for high speed sequential decoder
[NASA-CASE-NPO-11371] c 08 N73-12177
- LYNCH, E. J.**
- Three-axis adjustable loading structure
[NASA-CASE-FRC-10051-1] c 35 N74-13129
- LYNCH, T. L.**
- Pulsed excitation voltage circuit for transducers
[NASA-CASE-FRC-10036] c 09 N72-22200
- LYON, W. E.**
- Optical range finder having nonoverlapping complete images
[NASA-CASE-MSC-12105-1] c 14 N72-21409
- LYONS, J. C.**
- Integrated photo-responsive metal oxide semiconductor circuit
[NASA-CASE-GSC-12782-1] c 33 N83-13360

M

- MA, L. N.**
- Digital numerically controlled oscillator
[NASA-CASE-MSC-16747-1] c 33 N81-17349
- MACCONNELL, J. W.**
- Ultra stable frequency distribution system
[NASA-CASE-NPO-13836-1] c 32 N78-15323
- MACCONOCHIE, I. O.**
- Excessive temperature warning system Patent
[NASA-CASE-XLA-01926] c 14 N71-15620
- Shell tile thermal protection system
[NASA-CASE-LAR-12862-1] c 24 N83-17602
- Miniature spectrally selective dosimeter
[NASA-CASE-LAR-12469-1] c 35 N83-21311
- MACDAVID, K. S.**
- Thermocouple installation
[NASA-CASE-NPO-13540-1] c 35 N77-14409
- MACDORAN, P. F.**
- System for real-time crustal deformation monitoring
[NASA-CASE-NPO-14124-1] c 46 N80-14603
- Interferometric locating system
[NASA-CASE-NPO-14173-1] c 04 N80-32359
- Method and apparatus for calibrating the ionosphere and application to surveillance of geophysical events
[NASA-CASE-NPO-15430-1] c 46 N82-26890
- MACFADDEN, J. A.**
- Rotating mandrel for assembly of inflatable devices Patent
[NASA-CASE-XLA-04143] c 15 N71-17687
- MACGLASHAN, W. F.**
- Power control for hot gas engines
[NASA-CASE-NPO-14220-1] c 37 N81-14318
- MACGLASHAN, W. F., JR.**
- Bellville spring assembly with elastic guides
[NASA-CASE-XNP-09452] c 15 N69-27504
- High pressure four-way valve Patent
[NASA-CASE-XNP-00214] c 15 N70-36908
- Multiple Bellville spring assembly Patent
[NASA-CASE-XNP-00840] c 15 N70-38225
- Pressure regulating system Patent
[NASA-CASE-XNP-00450] c 15 N70-38603
- Ejection unit Patent
[NASA-CASE-XNP-00676] c 15 N70-38996
- Reinforcing means for diaphragms Patent
[NASA-CASE-XNP-01962] c 32 N70-41370
- High pressure filter Patent
[NASA-CASE-XNP-00732] c 28 N70-41447
- Antiflutter ball check valve Patent
[NASA-CASE-XNP-01152] c 15 N70-41811
- High pressure regulator valve Patent
[NASA-CASE-XNP-00710] c 15 N71-10778
- Filler valve Patent
[NASA-CASE-XNP-01747] c 15 N71-23024
- MACKAY, C. A.**
- Quick disconnect latch and handle combination Patent
[NASA-CASE-MFS-11132] c 15 N71-17649
- MACLEOD, N. H.**
- Bacterial contamination monitor
[NASA-CASE-GSC-10879-1] c 14 N72-25413
- MACVEIGH, G. E.**
- Analog spatial maneuver computer
[NASA-CASE-GSC-10880-1] c 08 N72-11172
- MADDOX, J. W.**
- Air bearing
[NASA-CASE-WLP-10002] c 15 N72-17451
- MADEY, J. M.**
- Satellite appendage tie down cord Patent
[NASA-CASE-XGS-02554] c 31 N71-21084
- Redundant actuating mechanism Patent
[NASA-CASE-XGS-08718] c 15 N71-24600
- Rotary electric device
[NASA-CASE-GSC-12138-1] c 33 N79-20314
- MADISON, I. B.**
- Aerodynamic spike nozzle Patent
[NASA-CASE-XGS-01143] c 31 N71-15647
- MADSEN, B.**
- Apparatus and method for skin packaging articles
[NASA-CASE-MFS-20855] c 15 N73-27405
- MAESTRELLO, L.**
- Apparatus and method for jet noise suppression
[NASA-CASE-LAR-11903-2] c 34 N82-20465
- MAHAN, J. C.**
- Device for preventing high voltage arcing in electron beam welding Patent
[NASA-CASE-XMF-08522] c 15 N71-19486
- MAIDEN, D. L.**
- Flow velocity and directional instrument
[NASA-CASE-LAR-10855-1] c 14 N73-13415
- Two dimensional wedge/translating shroud nozzle
[NASA-CASE-LAR-11919-1] c 07 N78-27121
- MAILLOUX, R. J.**
- Array phasing device Patent
[NASA-CASE-ERC-10046] c 10 N71-18722
- Circularly polarized antenna
[NASA-CASE-ERC-10214] c 09 N72-31235
- Phase control circuits using frequency multiplications for phased array antennas
[NASA-CASE-ERC-10285] c 10 N73-16206
- MAJOR, C. J.**
- Mixture separation cell Patent
[NASA-CASE-XMS-02952] c 18 N71-20742
- MALLING, L. R.**
- Digital television camera control system Patent
[NASA-CASE-XNP-01472] c 14 N70-41807
- Reduced bandwidth video communication system utilizing sampling techniques Patent
[NASA-CASE-XNP-02791] c 07 N71-23026
- MALMBERG, J. H.**
- Waveform simulator Patent
[NASA-CASE-NPO-10251] c 10 N71-27365
- MALONE, L. B.**
- Emergency lunar communications system
[NASA-CASE-MFS-21042] c 07 N72-25171
- MANATT, S. L.**
- Audio frequency marker system
[NASA-CASE-NPO-11147] c 14 N72-27408
- MANDEL, C. H.**
- Azimuth laying system Patent
[NASA-CASE-XMF-01669] c 21 N71-23289
- MANDELKORN, J.**
- Method of making a silicon semiconductor device Patent
[NASA-CASE-XLE-02792] c 26 N71-10607
- Method of making electrical contact on silicon solar cell and resultant product Patent
[NASA-CASE-XLE-04787] c 03 N71-20492
- Gd or Sm doped silicon semiconductor composition Patent
[NASA-CASE-XLE-10715] c 26 N71-23292
- Silicon solar cell with cover glass bonded to cell by metal pattern Patent
[NASA-CASE-XLE-08569] c 03 N71-23449
- Semiconductor material and method of making same Patent
[NASA-CASE-XLE-02798] c 26 N71-23654
- Method of attaching a cover glass to a silicon solar cell Patent
[NASA-CASE-XLE-08569-2] c 03 N71-24681
- MANDELL, A.**
- Condition sensor system and method
[NASA-CASE-MSC-14805-1] c 54 N78-32720
- MANGION, C.**
- System for preconditioning a combustible vapor
[NASA-CASE-NPO-12072] c 28 N72-22772
- MANGOLD, D. W.**
- Medical subject monitoring systems
[NASA-CASE-MSC-14180-1] c 52 N76-14757
- MANN, C. W.**
- Rotary target V-block
[NASA-CASE-LAR-12007-2] c 74 N79-25876
- Rotary target v-block
[NASA-CASE-LAR-12007-3] c 74 N83-25542
- MANN, W. A.**
- Compact artificial hand
[NASA-CASE-NPO-13906-1] c 54 N79-24652
- MANNING, C. R.**
- Thermal shock and erosion resistant tantalum carbide ceramic material
[NASA-CASE-LAR-11902-1] c 27 N78-17206

- MANNING, C. R., JR.**
Controlled glass bead peening Patent
[NASA-CASE-XLA-07390] c 15 N71-18616
Thermal shock resistant hafnia ceramic material
[NASA-CASE-LAR-10894-1] c 18 N73-14584
- MANOLI, R.**
Aircraft-mounted crash-activated transmitter device
[NASA-CASE-MFS-16609-3] c 03 N78-32140
- MANSOUR, M. N.**
Servo-controlled intravital microscope system
[NASA-CASE-NPO-13214-1] c 35 N75-25123
- MANTLER, R. L.**
Rocket propellant injector Patent
[NASA-CASE-XLE-00103] c 28 N70-33241
- MANUS, E. A.**
Active microwave irises and windows
[NASA-CASE-LAR-10513-1] c 07 N72-25170
Thin film microwave iris
[NASA-CASE-LAR-10511-1] c 09 N72-29172
Logarithmic circuit with wide dynamic range
[NASA-CASE-GSC-12145-1] c 33 N78-32339
- MANZO, M. A.**
Polyvinyl alcohol battery separator containing inert filler
[NASA-CASE-LEW-13556-1] c 44 N81-27615
Polyvinyl alcohol cross-linked with two aldehydes
[NASA-CASE-LEW-13504-1] c 25 N83-13188
Polyvinyl alcohol battery separator containing inert filler
[NASA-CASE-LEW-13556-2] c 44 N83-29805
- MAPLE, W. E.**
Analytical test apparatus and method for determining oxide content of alkali metal Patent
[NASA-CASE-XLE-01997] c 06 N71-23527
- MAPLES, H. E.**
Light intensity modulator controller Patent
[NASA-CASE-XMS-04300] c 09 N71-19479
- MARAK, R. J.**
Life raft stabilizer
[NASA-CASE-MSC-12393-1] c 02 N73-26006
- MARCELL, G. V.**
Method and apparatus for preparing multiconductor cable with flat conductors
[NASA-CASE-MFS-10946-1] c 31 N79-21226
Edge coating of flat wires
[NASA-CASE-XMF-05757-1] c 31 N79-21227
- MARCUM, D. C., JR.**
Hypersonic airbreathing missile
[NASA-CASE-LAR-12264-1] c 15 N78-32168
- MARCUS, B. D.**
Flat-plate heat pipe
[NASA-CASE-GSC-11998-1] c 34 N77-32413
- MARCUS, H. L.**
Laser extensometer
[NASA-CASE-MFS-18259-1] c 36 N78-14380
- MAREK, C. J.**
Fuel combustor
[NASA-CASE-LEW-12137-1] c 25 N78-10224
Supercritical fuel injection system
[NASA-CASE-LEW-12990-1] c 07 N81-29129
- MARGALIT, S.**
Arrangement for damping the resonance in a laser diode
[NASA-CASE-NPO-15980-1] c 36 N82-28618
- MARGOLIS, J. S.**
Method and apparatus for Doppler frequency modulation of radiation
[NASA-CASE-NPO-14524-1] c 32 N80-24510
Stark cell optoacoustic detection of constituent gases in sample
[NASA-CASE-NPO-14143-1] c 25 N81-14015
Correlation spectrometer having high resolution and multiplexing capability
[NASA-CASE-LAR-15558-1] c 35 N82-26636
Coherently pulsed laser source
[NASA-CASE-NPO-15111-1] c 36 N82-29589
- MARGOSIAN, P. M.**
Electrostatic thruster with improved insulators Patent
[NASA-CASE-XLE-01902] c 28 N71-10574
Single grid accelerator for an ion thruster
[NASA-CASE-XLE-10453-2] c 28 N73-27699
- MARGRAF, H. J.**
High pressure four-way valve Patent
[NASA-CASE-XNP-00214] c 15 N70-36908
- MARKLEY, R. A.**
Self-adjusting multisegment, deployable, natural circulation radiator Patent
[NASA-CASE-XHQ-03873] c 33 N71-29046
- MARLOW, M. O.**
Method of making a cermet Patent
[NASA-CASE-LEW-10219-1] c 18 N71-28729
- MARLOW, R. E.**
System for enhancing tool-exchange capabilities of a portable wrench
[NASA-CASE-MFS-22283-1] c 37 N75-33395
- Remotely operable articulated manipulator
[NASA-CASE-MFS-22707-1] c 37 N76-15457
- MAROPIS, N.**
Methods and apparatus employing vibratory energy for wrenching Patent
[NASA-CASE-MFS-20586] c 15 N71-17686
- MARRKLE, R. A.**
Process for preparation of dianilinosilanes Patent
[NASA-CASE-XMF-06409] c 06 N71-23230
- MARRONI, M. A., JR.**
Pressure garment joint Patent
[NASA-CASE-XMS-09636] c 05 N71-12344
Omnidirectional joint Patent
[NASA-CASE-XMS-09635] c 05 N71-24623
Foreshortened convolute section for a pressurized suit Patent
[NASA-CASE-XMS-09637-1] c 05 N71-24730
Method of forming a root cord restrained convolute section
[NASA-CASE-MSC-12398] c 05 N72-20098
Restraint torso for a pressurized suit
[NASA-CASE-MSC-12397-1] c 05 N72-25119
- MARSH, H. E., JR.**
Trifunctional alcohol
[NASA-CASE-NPO-10714] c 06 N69-31244
Novel polycarboxylic prepolymeric materials and polymers thereof Patent
[NASA-CASE-NPO-10598] c 06 N71-25929
Aldehyde-containing urea-absorbing polysaccharides
[NASA-CASE-NPO-13620-1] c 27 N77-30236
Oil and fat absorbing polymers
[NASA-CASE-NPO-11609-2] c 27 N77-31308
Solid propellant motor
[NASA-CASE-NPO-11458A] c 20 N78-32179
- MARSH, H. W.**
Fluid pressure balanced seal
[NASA-CASE-XGS-01286-1] c 37 N79-33469
- MARSHALL, F.**
Imaging X-ray spectrometer
[NASA-CASE-GSC-12682-1] c 35 N82-26629
- MARSHALL, J. H.**
Baseline stabilization system for ionization detector Patent
[NASA-CASE-XNP-03128] c 10 N70-41991
- MARSHALL, T. N., JR.**
Nuclear mass flowmeter
[NASA-CASE-MFS-20485] c 14 N72-11365
- MARSHALL, W. R.**
Three stage rocket vehicle with parallel staging
[NASA-CASE-MFS-25878-1] c 18 N83-12138
- MARSIK, S. J.**
Selective nickel deposition
[NASA-CASE-LEW-10965-1] c 15 N72-25452
Production of pure metals
[NASA-CASE-LEW-10908-1] c 25 N74-30502
Process for making anhydrous metal halides
[NASA-CASE-LEW-11860-1] c 37 N76-18458
- MARTEL, R. J.**
Amplitude steered array
[NASA-CASE-GSC-11446-1] c 33 N74-20860
- MARTIN, J. A.**
Orbiter/launch system
[NASA-CASE-LAR-12250-1] c 14 N81-28161
- MARTIN, J. W.**
Dynamic Doppler simulator Patent
[NASA-CASE-XMS-05454-1] c 07 N71-12391
- MARTIN, N. C.**
Segmented back-up bar Patent
[NASA-CASE-XMF-00640] c 15 N70-39924
Portable alignment tool Patent
[NASA-CASE-XMF-01452] c 15 N70-41371
- MARTIN, R. B.**
Color perception tester
[NASA-CASE-KSC-10278] c 05 N72-16015
- MARTIN, S. C.**
Correlation type phase detector
[NASA-CASE-GSC-11744-1] c 33 N75-26243
- MARTIN, W. L.**
Phase-locked loop with sideband rejecting properties Patent
[NASA-CASE-XNP-02723] c 07 N70-41680
Method of resolving clock synchronization error and means therefor Patent
[NASA-CASE-XNP-08875] c 10 N71-23099
Communications link for computers
[NASA-CASE-NPO-11161] c 08 N72-25207
Binary coded sequential acquisition ranging system
[NASA-CASE-NPO-11194] c 08 N72-25209
Digital video display system using cathode ray tube
[NASA-CASE-NPO-11342] c 09 N72-25248
Digital demodulator-correlator
[NASA-CASE-NPO-13982-1] c 32 N79-14267
- MARTINAGE, L. H.**
Power supply Patent
[NASA-CASE-XMS-02159] c 10 N71-22961
- MARTINECK, H. G.**
Electrical connector for flat cables Patent
[NASA-CASE-XMF-00324] c 09 N70-34596
Printed cable connector Patent
[NASA-CASE-XMF-00369] c 09 N70-36494
Method of making a molded connector Patent
[NASA-CASE-XMF-03498] c 15 N71-15986
Electrical connector
[NASA-CASE-MFS-20757] c 09 N72-28225
- MARTONCHIK, J. V.**
Correlation spectrometer having high resolution and multiplexing capability
[NASA-CASE-NPO-15558-1] c 35 N82-26636
- MARTUCCI, V. J.**
Tuning arrangement for an electron discharge device or the like Patent
[NASA-CASE-XNP-09771] c 09 N71-24841
- MARTZ, E. L.**
Externally pressurized fluid bearing Patent
[NASA-CASE-XMF-00515] c 15 N70-34664
- MARVIN, I. E.**
Integrated control system for a gas turbine engine
[NASA-CASE-LEW-12594-2] c 07 N81-19116
- MARZEK, R. A.**
Tool for use in lifting pin supported objects
[NASA-CASE-NPO-13157-1] c 37 N74-32918
- MASCY, A. C.**
Deep space monitor communication satellite system Patent
[NASA-CASE-XAC-06029-1] c 31 N71-24813
- MASEK, T. D.**
Electron bombardment ion engine Patent
[NASA-CASE-XNP-04124] c 28 N71-21822
Feed system for an ion thruster
[NASA-CASE-NPO-10737] c 28 N72-11709
- MASERJAN, J.**
Temperature sensitive capacitor device
[NASA-CASE-XNP-08750] c 14 N69-39937
Thin film capacitive bolometer and temperature sensor Patent
[NASA-CASE-NPO-10607] c 09 N71-27232
Thin film temperature sensor and method of making same
[NASA-CASE-NPO-11775] c 26 N72-28761
Use of thin film light detector
[NASA-CASE-NPO-11432-2] c 35 N74-15090
Deep trap, laser activated image converting system
[NASA-CASE-NPO-13131-1] c 36 N75-19652
Stored charge transistor
[NASA-CASE-NPO-11156-2] c 33 N75-31331
Method and apparatus for measurement of trap density and energy distribution in dielectric films
[NASA-CASE-NPO-13443-1] c 76 N76-20994
Chemical vapor deposition reactor
[NASA-CASE-NPO-13650-1] c 25 N78-28253
Induced junction solar cell and method of fabrication
[NASA-CASE-NPO-13786-1] c 44 N80-29835
- MASLOWSKI, E. A.**
Method of making an insulation foil
[NASA-CASE-LEW-11484-1] c 24 N75-33181
- MASON, J. W.**
Microcomputerized electric field meter diagnostic and calibration system
[NASA-CASE-KSC-11035-1] c 35 N78-28411
- MASON, R. J.**
Collapsible reflector Patent
[NASA-CASE-XMS-03454] c 09 N71-20858
- MASON, R. M.**
Radial module space station Patent
[NASA-CASE-XMS-01906] c 31 N70-41373
- MASSEY, D. L.**
Heat reflecting field stop
[NASA-CASE-LAR-12443-1] c 74 N82-19030
- MASSEY, W. A.**
Heat reflecting field stop
[NASA-CASE-LAR-12443-1] c 74 N82-19030
- MASSUCCO, A. A.**
Non-flammable elastomeric fiber from a fluorinated elastomer and containing an halogenated flame retardant
[NASA-CASE-MSC-14331-1] c 27 N76-24405
Flame retardant spandex type polyurethanes
[NASA-CASE-MSC-14331-2] c 27 N78-17213
Process for spinning flame retardant elastomeric compositions
[NASA-CASE-MSC-14331-3] c 27 N78-32262
- MATEER, G. C.**
Flow separation detector
[NASA-CASE-ARC-11046-1] c 35 N78-14364
- MATHENEY, J. L.**
A dc to dc converter
[NASA-CASE-MFS-25430-1] c 33 N82-28550
- MATHUR, F. P.**
Program for computer aided reliability estimation
[NASA-CASE-NPO-13086-1] c 15 N73-12495

MATSUHIRO, D. S.

Shoulder harness and lap belt restraint system
[NASA-CASE-ARC-10519-2] c 05 N75-25915

MATSUMOTO, Y.

Sampling video compression system
[NASA-CASE-ARC-10984-1] c 32 N77-24328

MATTAUCH, R. J.

Infrared detectors
[NASA-CASE-LAR-10728-1] c 14 N73-12445

Submillimeter wave Schottky barrier diode with low series resistance and low noise
[NASA-CASE-NPO-15935-1] c 33 N83-12334

Thin wire pointing method
[NASA-CASE-NPO-15789-1] c 31 N83-19947

Controlled in situ etch-back
[NASA-CASE-NPO-15625-1] c 76 N83-20789

MATTHEWS, F. R., JR.

Lightweight, variable solidity knitted parachute fabric
[NASA-CASE-LAR-10776-1] c 02 N74-10034

MATZEN, W. J.

Apparatus for measuring semiconductor device resistance
[NASA-CASE-NPO-14424-1] c 33 N80-32650

MAULDIN, D. G.

Contourograph system for monitoring electrocardiograms
[NASA-CASE-MSC-13407-1] c 10 N72-20225

MAXWELL, H. G.

Method of adhering bone to a rigid substrate using a graphite fiber reinforced bone cement
[NASA-CASE-NPO-13764-1] c 27 N78-17215

MAXWELL, M. S.

Spacecraft attitude detection system by stellar reference
[NASA-CASE-XGS-03431] c 21 N71-15642

Programmable telemetry system Patent
[NASA-CASE-GSC-10131-1] c 07 N71-24624

Plural beam antenna
[NASA-CASE-GSC-11013-1] c 09 N73-19234

MAXWELL, M. W.

Helical coaxial resonator RF filter
[NASA-CASE-XGS-02816] c 07 N69-24323

MAXWELL, R. F., JR.

Electronic background suppression method and apparatus for a field scanning sensor
[NASA-CASE-XGS-05211] c 07 N69-39980

MAXWELL, W. A.

Process of casting heavy slips Patent
[NASA-CASE-XLE-00106] c 15 N71-16076

MAY, C. E.

Selective nickel deposition
[NASA-CASE-LEW-10965-1] c 15 N72-25452

Production of pure metals
[NASA-CASE-LEW-10906-1] c 25 N74-30502

Process for making anhydrous metal halides
[NASA-CASE-LEW-11860-1] c 37 N76-18458

Method of cross-linking polyvinyl alcohol and other water soluble resins
[NASA-CASE-LEW-13103-1] c 27 N80-32516

MAYALL, S. D.

Frictionless universal joint Patent
[NASA-CASE-NPO-10646] c 15 N71-28467

MAYER, L. A.

Chelate-modified polymers for atmospheric gas chromatography
[NASA-CASE-ARC-11154-1] c 25 N80-23383

Fire extinguishant materials
[NASA-CASE-ARC-11252-1] c 25 N83-36118

MAYNARD, O. E.

Radial module space station Patent
[NASA-CASE-XMS-01906] c 31 N70-41373

MAYNE, R. C.

Shock absorbing mount for electrical components
[NASA-CASE-NPO-13253-1] c 37 N75-18573

MAYO, E. E.

Hypersonic reentry vehicle Patent
[NASA-CASE-XMS-04142] c 31 N70-41631

MAYO, J. W.

Connector - Electrical
[NASA-CASE-XLA-01288] c 09 N69-21470

Tubular coupling having frangible connecting means
[NASA-CASE-XLA-02854] c 15 N69-27490

Missile stage separation indicator and stage initiator Patent
[NASA-CASE-XLA-00791] c 03 N70-39930

Detector panels-micrometeoroid impact Patent
[NASA-CASE-XLA-05906] c 31 N71-16221

MAYO, R. F.

Electric-arc heater Patent
[NASA-CASE-XLA-00330] c 33 N70-34540

MAZARIS, G. A.

Application of semiconductor diffusants to solar cells by screen printing
[NASA-CASE-LEW-12775-1] c 44 N79-11468

Screen printed interdigitated back contact solar cell
[NASA-CASE-LEW-13414-1] c 44 N83-20374

MAZER, L.

Analogue-to-digital conversion system Patent
[NASA-CASE-XAC-00404] c 08 N70-40125

MAZIQUE, J. C.

Cervix-to-rectum measuring device in a radiation applicator for use in the treatment of cervical cancer
[NASA-CASE-GSC-12081-2] c 52 N82-22875

MAZUR, J. T.

Telescoping columns
[NASA-CASE-LAR-12195-1] c 31 N81-27324

MCAFEE, D. F.

Bi-polar phase detector and corrector for split phase PCM data signals Patent
[NASA-CASE-XGS-01590] c 07 N71-12392

Radio frequency coaxial high pass filter Patent
[NASA-CASE-XGS-01418] c 09 N71-23573

MCALEXANDER, B. T.

Laser head for simultaneous optical pumping of several dye lasers
[NASA-CASE-LAR-11341-1] c 36 N75-19655

MCBRAYER, R. O.

Soft frame adjustable eyeglasses Patent
[NASA-CASE-XMS-06084] c 05 N71-23096

MCBRYAR

Ion-exchange membrane with platinum electrode assembly Patent
[NASA-CASE-XMS-02063] c 03 N71-29044

MCBRYAR, H.

Reconstituted asbestos matrix
[NASA-CASE-MSC-12568-1] c 24 N76-14204

MCCAIG, J. C.

Electric arc welding Patent
[NASA-CASE-XMF-00392] c 15 N70-34814

MCCALLUM, J.

Porus electrode comprising a bonded stack of pieces of corrugated metal foil
[NASA-CASE-GSC-11368-1] c 09 N73-32108

MCCAMPBELL, W. M.

Electric arc welding Patent
[NASA-CASE-XMF-00392] c 15 N70-34814

Weld control system using thermocouple wire Patent
[NASA-CASE-MFS-06074] c 15 N71-20393

RC rate generator for slow speed measurement Patent
[NASA-CASE-XMF-02966] c 10 N71-24863

A dc motor speed control system Patent
[NASA-CASE-MFS-14610] c 09 N71-28886

MCCANDLESS, B. II

Connection system
[NASA-CASE-MSC-20319-1] c 37 N82-31689

MCCANDLESS, L. C.

Method of making reinforced composite structure
[NASA-CASE-LEW-12619-1] c 24 N77-19171

MCCANN, D. H.

Phototransistor
[NASA-CASE-MFS-20407] c 09 N73-19235

Time delay and integration detectors using charge transfer devices
[NASA-CASE-GSC-12324-1] c 33 N81-33403

MCCANN, R. J.

Device for handling heavy loads
[NASA-CASE-XNP-04969] c 11 N69-27466

MCCARTHY, D. M.

Automatic level control circuit
[NASA-CASE-KSC-11170-1] c 33 N83-36356

MCCARTY, J. L.

Lunar penetrometer Patent
[NASA-CASE-XLA-00934] c 14 N71-22765

MCCAUL, P. F.

Sidereal frequency generator Patent
[NASA-CASE-XGS-02610] c 14 N71-23174

MCCHESENEY, J. F., JR.

High voltage distributor
[NASA-CASE-GSC-11849-1] c 33 N76-16332

MCCHESENEY, J. R.

Modulator for tone and binary signals
[NASA-CASE-GSC-11743-1] c 32 N75-24981

MCCLEESE, D. J.

Method and apparatus for Doppler frequency modulation of radiation
[NASA-CASE-NPO-14524-1] c 32 N80-24510

MCCLENAHAN, J. O.

High speed shutter
[NASA-CASE-ARC-10516-1] c 70 N74-21300

Photomultiplier circuit including means for rapidly reducing the sensitivity thereof
[NASA-CASE-ARC-10593-1] c 33 N74-27682

MCCUNEY, W. R.

The 2 deg/90 deg laboratory scattering photometer
[NASA-CASE-GSC-12088-1] c 74 N78-13874

MCCUNY, C. E.

Antenna grout replacement system
[NASA-CASE-NPO-15202-1] c 27 N83-34043

MCCLURE, J. C.

Preparation of monotectic alloys having a controlled microstructure by directional solidification under dopant-induced interface breakdown
[NASA-CASE-MFS-23816-1] c 26 N80-23419

MCCLURE, S. R.

Method and apparatus for holding two separate metal pieces together for welding
[NASA-CASE-GSC-12318-1] c 37 N80-23655

MCCONAUGHEY, R. T.

Star scanner
[NASA-CASE-GSC-11569-1] c 89 N74-30886

MCCONNELL, J. C.

Method of plating copper on aluminum Patent
[NASA-CASE-XLA-08966-1] c 17 N71-25903

MCCORMACK, W.

Single action separation mechanism Patent
[NASA-CASE-XLA-00188] c 15 N71-22874

MCCORMICK, C. T., JR.

Automatic signal range selector for metering devices Patent
[NASA-CASE-XMS-06497] c 14 N71-26244

MCCRAW, D. L.

Emergency escape system Patent
[NASA-CASE-MSC-12086-1] c 05 N71-12345

MCCREA, F. E.

Indexing microwave switch Patent
[NASA-CASE-XNP-06507] c 09 N71-23548

Support assembly for cryogenically coolable low-noise choke waveguide
[NASA-CASE-NPO-14253-1] c 32 N80-32605

MCCREARY, R. A.

Parallel motion suspension device Patent
[NASA-CASE-XNP-01567] c 15 N70-41310

MCCREIGHT, L. R.

Electrophoretic sample insertion
[NASA-CASE-MFS-21395-1] c 25 N74-26948

Apparatus for conducting flow electrophoresis in the substantial absence of gravity
[NASA-CASE-MFS-21394-1] c 34 N74-27744

MCCUSKER, T. J.

Foldable solar concentrator Patent
[NASA-CASE-XLA-04622] c 03 N70-41580

MCDANIELS, D. L.

Reinforced metallic composites Patent
[NASA-CASE-XLE-02428] c 17 N70-33288

Method of making fiber reinforced metallic composites Patent
[NASA-CASE-XLE-00231] c 17 N70-38198

Reinforced metallic composites Patent
[NASA-CASE-XLE-00228] c 17 N70-38490

MCDARIS, R. A.

Emergency escape system Patent
[NASA-CASE-XKS-07814] c 15 N71-27067

MCDAVID, L. S.

Specific wavelength colorimeter
[NASA-CASE-MSC-14081-1] c 35 N74-27860

MCDERMOND, D. K.

Synchronous counter Patent
[NASA-CASE-XGS-02440] c 08 N71-19432

MCDEVITT, F. R.

Laser coolant and ultraviolet filter
[NASA-CASE-MFS-20180] c 16 N72-12440

MCDONALD, G. E.

Nuclear fuel elements
[NASA-CASE-XLE-00209] c 22 N73-32528

Selective coating for solar panels
[NASA-CASE-LEW-12159-1] c 44 N78-19599

Method for depositing an oxide coating
[NASA-CASE-LEW-13131-1] c 44 N83-10494

Method of forming oxide coatings
[NASA-CASE-LEW-13132-1] c 27 N83-29388

MCDONALD, R. T.

Gas low pressure low flow rate metering system Patent
[NASA-CASE-FRC-10022] c 12 N71-26546

Respiration monitor
[NASA-CASE-FRC-10012] c 14 N72-17329

MCDUGAL, A. R.

Force-balanced, throttle valve Patent
[NASA-CASE-NPO-10808] c 15 N71-27432

Quick disconnect coupling
[NASA-CASE-NPO-11202] c 15 N72-25450

Rotary actuator
[NASA-CASE-NPO-10680] c 31 N73-14855

Disconnect unit
[NASA-CASE-NPO-11330] c 33 N73-26958

Zero torque gear head wrench
[NASA-CASE-NPO-13059-1] c 37 N76-20480

Phase-angle controller for Stirling engines
[NASA-CASE-NPO-14388-1] c 37 N81-17432

Hot gas engine with dual crankshafts
[NASA-CASE-NPO-14221-1] c 37 N81-25370

Solar energy modulator
[NASA-CASE-NPO-15388-1] c 44 N82-10496

- MCKERLEAN, E. A.**
Bonding method in the manufacture of continuous regression rate sensor devices
[NASA-CASE-LAR-10337-1] c 24 N75-30260
- MCFAIDIN, L. W.**
Platinum resistance thermometer circuit
[NASA-CASE-MSC-12327-1] c 35 N77-27368
- MCGANNON, W. J.**
Ophthalmic method and apparatus
[NASA-CASE-LEW-11669-1] c 05 N73-27062
Ophthalmic liquifaction pump
[NASA-CASE-LEW-12051-1] c 52 N75-33640
Intra-ocular pressure normalization technique and equipment
[NASA-CASE-LEW-12723-1] c 52 N80-18690
- MCGEEHEE, J. R.**
Frangible tube energy dissipation Patent
[NASA-CASE-XLA-00754] c 15 N70-34850
Omnidirectional multiple impact landing system Patent
[NASA-CASE-XLA-09881] c 31 N71-16085
- MCGINNNESS, H. D.**
Suspension system for a wheel rolling on a flat track
[NASA-CASE-NPO-14395-1] c 37 N82-21587
- MCGOUGH, J. T.**
Emergency escape system Patent
[NASA-CASE-XKS-07814] c 15 N71-27067
- MCHAFFIE, D. J.**
Extensible cable support Patent
[NASA-CASE-XMF-07587] c 15 N71-18701
- MCHATTON, A. D.**
Canister closing device Patent
[NASA-CASE-XLA-01446] c 15 N71-21528
Traveling sealer for contained table Patent
[NASA-CASE-XLA-01494] c 15 N71-24164
Amplifying ribbon extensometer
[NASA-CASE-LAR-11825-1] c 35 N77-22449
Nozzle extraction process and handmeter for measuring handle
[NASA-CASE-LAR-12147-1] c 31 N79-11246
- MCHENRY, R. J.**
Method for forming pyrrone molding powders and products of said method
[NASA-CASE-LAR-10423-1] c 23 N82-29358
- MCHENRY, T. F.**
Miniature carbon dioxide sensor and methods
[NASA-CASE-MSC-13332-1] c 14 N72-21408
- MCHUGH, D. P.**
Variable mixer propulsion cycle
[NASA-CASE-LEW-12917-1] c 07 N78-18067
- MCINTOSH, M. J.**
Process for the leaching of AP from propellant
[NASA-CASE-NPO-14109-1] c 28 N80-23471
- MCKAY, R. A.**
Combuster
[NASA-CASE-NPO-13958-1] c 25 N79-11151
- MCKEE, C. W.**
Fluid control apparatus and method
[NASA-CASE-LAR-11110-1] c 34 N75-26282
- MCKENNA, J. F., JR.**
Fault tolerant clock apparatus utilizing a controlled minority of clock elements
[NASA-CASE-MSC-12531-1] c 35 N75-30504
- MCKENNA, R. T.**
Automatic character skew and spacing checking network
[NASA-CASE-GSC-11925-1] c 33 N76-18353
- MCKENZIE, R. L.**
Oatonic infrared gasdynamic laser
[NASA-CASE-ARC-10370-1] c 36 N75-31426
- MCKEOWN, D.**
Method for attaching a fused-quartz mirror to a conductive metal substrate
[NASA-CASE-MFS-23405-1] c 26 N77-29260
- MCKEVITT, F. X.**
Swirling flow nozzle Patent
[NASA-CASE-XNP-03692] c 28 N71-24321
- MCKINNEY, R. L.**
Self-calibrating displacement transducer Patent
[NASA-CASE-XLA-00781] c 09 N71-22999
- MCKINNON, R. A.**
External liquid-spray cooling of turbine blades Patent
[NASA-CASE-XLE-00037] c 28 N70-33372
- MCLAIN, J. H.**
Air bearing Patent
[NASA-CASE-XMF-01887] c 15 N71-10617
- MCLAUCHLAN, J. M.**
Horizon sensor with a plurality of fixedly positioned radiation compensated radiation sensitive detectors Patent
[NASA-CASE-XNP-06957] c 14 N71-21088
Light position locating system Patent
[NASA-CASE-XNP-01059] c 23 N71-21821
Ranging system
[NASA-CASE-NPO-15865-1] c 74 N83-12991
- Method for making a bonded single mode fiber optic wavelength coupler
[NASA-CASE-NPO-15464-1] c 74 N83-25540
- MCLEAN, F. E.**
Supersonic aircraft Patent
[NASA-CASE-XLA-04451] c 02 N71-12243
- MCLYMAN, C. W. T.**
Inverter oscillator with voltage feedback
[NASA-CASE-NPO-10760] c 09 N72-25254
Banded transformer cores
[NASA-CASE-NPO-11966-1] c 33 N74-17928
- MCLYMAN, W. T.**
Phase substitution of spare converter for a failed one of parallel phase staggered converters
[NASA-CASE-NPO-13812-1] c 33 N77-30365
Elimination of current spikes in buck power converters
[NASA-CASE-NPO-14505-1] c 33 N81-19393
Push-pull converter with energy saving circuit for protecting switching transistors from peak power stress
[NASA-CASE-NPO-14316-1] c 33 N81-33404
- MCMASTER, L. R.**
Meteoroid detector
[NASA-CASE-LAR-10483-1] c 14 N73-32327
- MCNEAR, M. F.**
Vapor phase growth of groups 3-5 compounds by hydrogen chloride transport of the elements
[NASA-CASE-LAR-11144-1] c 25 N75-26043
- MCNUTT, W. C.**
Dual latching solenoid valve Patent
[NASA-CASE-XMS-05890] c 09 N71-23191
- MCRONALD, A. D.**
Thin film gauge
[NASA-CASE-NPO-10617-1] c 35 N74-22095
- MCSMITH, D. D.**
Variable response load limiting device
[NASA-CASE-LAR-12801-1] c 37 N82-20544
Tubing and cable cutting tool
[NASA-CASE-LAR-12786-1] c 37 N82-20545
- MCSTAY, J. J.**
Apparatus including a plurality of spaced transformers for locating short circuits in cables
[NASA-CASE-KSC-10899-1] c 33 N79-18193
- MCWILLIAMS, I. G.**
Compact spectroradiometer
[NASA-CASE-HQN-10683] c 14 N71-34389
Two color horizon sensor
[NASA-CASE-ERC-10174] c 14 N72-25409
- MEAD, D. C.**
Variable frequency oscillator with temperature compensation Patent
[NASA-CASE-MQP-03916] c 09 N71-28810
- MEADOR, T. G., JR.**
Light shield and cooling apparatus
[NASA-CASE-LAR-10089-1] c 34 N74-23066
- MEALY, G. E.**
Electrostatic thruster with improved insulators Patent
[NASA-CASE-XLE-01902] c 28 N71-10574
High voltage divider system Patent
[NASA-CASE-XLE-02008] c 09 N71-21583
- MEDCALF, W. A.**
Gas filter mounting structure
[NASA-CASE-MSC-12297] c 14 N72-23457
- MEINTEL, A. J., JR.**
Combined optical attitude and altitude indicating instrument Patent
[NASA-CASE-XLA-01907] c 14 N71-23268
- MEISENHOLDER, G. W.**
Photosensitive device to detect bearing deviation Patent
[NASA-CASE-XNP-00438] c 21 N70-35089
Roll attitude star sensor system Patent
[NASA-CASE-XNP-01307] c 21 N70-41856
- MEISSINGER, H. F.**
Method of and device for determining the characteristics and flux distribution of micrometeorites
[NASA-CASE-NPO-12127-1] c 91 N74-13130
- MELAMED, L.**
Angular velocity and acceleration measuring apparatus
[NASA-CASE-ERC-10282] c 14 N72-25410
- MELFI, L. T., JR.**
Gas analyzer for bi-gaseous mixtures Patent
[NASA-CASE-XLA-01131] c 14 N71-10774
Ionization vacuum gauge with all but the end of the ion collector shielded Patent
[NASA-CASE-XLA-07424] c 14 N71-18482
- MELLARS, B.**
Wideband heterodyne receiver for laser communication system
[NASA-CASE-GSC-12053-1] c 32 N77-28346
- MEUGIN, J. F.**
Technique for recovery of voice data from heat damaged magnetic tape
[NASA-CASE-MSC-14219-1] c 32 N74-27612
- MELVILLE, R. D. S.**
Stark-effect modulation of CO₂ laser with NH₂D
[NASA-CASE-NPO-11945-1] c 36 N76-18427
- MENEFEE, E. O.**
Three-axis controller Patent
[NASA-CASE-XAC-01404] c 05 N70-41581
Proportional controller Patent
[NASA-CASE-XAC-03392] c 03 N70-41954
- MENGES, M. J.**
Precipitation detector Patent
[NASA-CASE-XLA-02819] c 10 N71-26334
Dielectric molding apparatus Patent
[NASA-CASE-LAR-10121-1] c 15 N71-26721
- MENICHELLI, V. J.**
Optically detonated explosive device
[NASA-CASE-NPO-11743-1] c 28 N74-27425
Electroexplosive device
[NASA-CASE-NPO-13858-1] c 28 N79-11231
- MENTZER, C. A.**
Horn antenna having V-shaped corrugated slots
[NASA-CASE-LAR-11112-1] c 32 N76-15330
- MENZIES, R. T.**
Monitoring atmospheric pollutants with a heterodyne radiometer transmitter-receiver
[NASA-CASE-NPO-11919-1] c 35 N74-11284
Fluorescence detector for monitoring atmospheric pollutants
[NASA-CASE-NPO-13231-1] c 45 N75-27585
Spectrophone stabilized laser with line center offset frequency control
[NASA-CASE-NPO-15516-1] c 36 N82-26652
Digital control of diode laser for atmospheric spectroscopy
[NASA-CASE-NPO-16000-1] c 36 N83-24842
- MERHAV, S. J.**
Autonomous navigation system
[NASA-CASE-ARC-11257-1] c 04 N81-21047
- MERLEN, M. M.**
Horizon sensor with a plurality of fixedly positioned radiation compensated radiation sensitive detectors Patent
[NASA-CASE-NXP-06957] c 14 N71-21088
- MERRBAUM, S.**
Multifunctional transducer
[NASA-CASE-NPO-14329-1] c 52 N81-20703
- MERRICK, V. K.**
Stabilization of gravity oriented satellites Patent
[NASA-CASE-XAC-01591] c 31 N71-17729
- MERRILL, J. T., IV**
Apparatus for applying simulator g-forces to an arm of an aircraft simulator pilot
[NASA-CASE-LAR-10550-1] c 09 N74-30597
- MESSINEO, S. V.**
Apparatus for positioning modular components on a vertical or overhead surface
[NASA-CASE-LAR-11465-1] c 37 N76-21554
- MESSNER, A.**
System for generating timing and control signals
[NASA-CASE-NPO-13125-1] c 33 N75-19519
- MESZAROS, G.**
Recovery of radiation damaged solar cells through thermal annealing
[NASA-CASE-XGS-04047-2] c 03 N72-11082
- METCALFE, A. G.**
Silicide coatings for refractory metals Patent
[NASA-CASE-XLE-10910] c 18 N71-29040
- METZGER, A. E.**
Dual purpose optical instrument capable of simultaneously acting as spectrometer and diffractometer
[NASA-CASE-XNP-05231] c 14 N73-28491
- METZLER, A. J.**
Black-body furnace Patent
[NASA-CASE-XLE-01399] c 33 N71-15625
- MEYER, A. J., JR.**
Modification and improvements to cooled blades Patent
[NASA-CASE-XLE-00082] c 15 N70-33264
Aerial capsule emergency separation device Patent
[NASA-CASE-XLA-00115] c 03 N70-33343
Space capsule Patent
[NASA-CASE-XLA-00149] c 31 N70-37938
Vehicle parachute and equipment jettison system Patent
[NASA-CASE-XLA-00185] c 02 N70-38009
Ablation structures Patent
[NASA-CASE-XMS-01816] c 33 N71-15623
Space capsule Patent
[NASA-CASE-XLA-01332] c 31 N71-15664
- MEYER, J. A.**
Altitude sensing device
[NASA-CASE-XMS-01994-1] c 14 N72-17326
- MEYER, J. F.**
Time-division multiplexer Patent
[NASA-CASE-XNP-00431] c 09 N70-38998
- MEYER, K. A.**
High-temperature, high-pressure spherical segment valve Patent
[NASA-CASE-XAC-00074] c 15 N70-34817

MEYER, T. N.

Method of producing silicon
[NASA-CASE-NPO-14382-1] c 31 N80-18231

MEYERS, J. L.

Auto covariance computer
[NASA-CASE-LAR-12968-1] c 35 N83-34273

MICALE, F. J.

Process for preparation of large-particle-size monodisperse latexes
[NASA-CASE-MFS-25000-1] c 25 N81-19242

MICHAEL, J. E.

Connector - Electrical
[NASA-CASE-XLA-01288] c 09 N69-21470

Missile stage separation indicator and stage initiator Patent
[NASA-CASE-XLA-00791] c 03 N70-39930

MICHAUD, R. B.

Urine collection device
[NASA-CASE-MSC-16433-1] c 52 N78-27750

Urine collection device
[NASA-CASE-MSC-16433-1] c 52 N81-24711

Urine collection apparatus
[NASA-CASE-MSC-18381-1] c 52 N81-28740

MICHEL, R. E.

Convoluting device for forming convolutions and the like Patent
[NASA-CASE-XNP-05297] c 15 N71-23811

MICKA, E. Z.

Cross correlation anomaly detection system
[NASA-CASE-NPO-13283] c 38 N78-17395

Automatic visual inspection system for microelectronics
[NASA-CASE-NPO-13282] c 38 N78-17396

MICKELSEN, W. R.

High-vacuum condenser tank for ion rocket tests Patent
[NASA-CASE-XLE-00168] c 11 N70-33278

MIDDLETON, J. H.

Technique for extending the frequency range of digital dividers
[NASA-CASE-LAR-10730-1] c 33 N74-10223

MIDDLETON, O.

Bonding machine for forming a solar array strip
[NASA-CASE-NPO-13652-2] c 44 N79-24431

MIDDLETON, R. L.

Cryogenic thermal insulation Patent
[NASA-CASE-XMF-05046] c 33 N71-28892

MIDDLETON, W. D.

Supersonic aircraft Patent
[NASA-CASE-XLA-04451] c 02 N71-12243

MIERTSCHIN, J. L.

Radio frequency filter device
[NASA-CASE-XLA-02609] c 09 N72-25256

MIKROYANNIDIS, J. A.

The 1 - (dialkoxyposphonyl)methyl -2,4- and -2,6- dinitro- and diamino benzenes and their derivatives
[NASA-CASE-ARC-11425-1] c 23 N83-28076

MIKSZAN, D. P.

Frequency shift keying apparatus Patent
[NASA-CASE-XGS-01537] c 07 N71-23405

MIKULAS, M. M., JR.

Composite sandwich lattice structure
[NASA-CASE-LAR-11898-1] c 24 N78-10214

Method of making a composite sandwich lattice structure
[NASA-CASE-LAR-11898-2] c 24 N78-17149

Sequentially deployable maneuverable tetrahedral beam
[NASA-CASE-LAR-13098-1] c 31 N83-35178

MILDICE, J. W.

Light radiation direction indicator with a baffle of two parallel gnds
[NASA-CASE-XNP-03930] c 14 N69-24331

MILES, P. A.

Clear air turbulence detector
[NASA-CASE-MFS-21244-1] c 36 N75-15028

MILES, R. T.

Oceanic wave measurement system
[NASA-CASE-MFS-23862-1] c 48 N80-18667

MILKULLA, V.

Method for making a hot wire anemometer and product thereof
[NASA-CASE-ARC-10900-1] c 35 N77-24454

MILLER, A. J.

Binary to binary coded decimal converter
[NASA-CASE-GSC-12044-1] c 60 N78-17691

MILLER, B. A.

Self stabilizing sonic inlet
[NASA-CASE-LEW-11890-1] c 05 N79-24976

MILLER, C. E.

Densitometer Patent
[NASA-CASE-XLE-00688] c 14 N70-41330

MILLER, C. G.

Dispensing targets for ion beam particle generators
[NASA-CASE-NPO-13112-1] c 73 N74-26767

Sampler of gas borne particles
[NASA-CASE-NPO-13396-1] c 35 N76-18401

Indicator providing continuous indication of the presence of a specific pollutant in air
[NASA-CASE-NPO-13474-1] c 45 N76-21742

Cryostat system for temperatures on the order of 2 deg K or less
[NASA-CASE-NPO-13459-1] c 31 N77-10229

Compact, high intensity arc lamp with internal magnetic field producing means
[NASA-CASE-NPO-11510-1] c 33 N77-21315

Depressurization of arc lamps
[NASA-CASE-NPO-10790-1] c 33 N77-21316

Arc control in compact arc lamps
[NASA-CASE-NPO-10870-1] c 33 N77-22386

Low to high temperature energy conversion system
[NASA-CASE-NPO-13510-1] c 44 N77-32581

Three-dimensional tracking solar energy concentrator and method for making same
[NASA-CASE-NPO-13736-1] c 44 N77-32583

Portable linear-focused solar thermal energy collecting system
[NASA-CASE-NPO-13734-1] c 44 N78-10554

Purging means and method for Xenon arc lamps
[NASA-CASE-NPO-11978] c 31 N78-17238

Low cost solar energy collection system
[NASA-CASE-NPO-13579-1] c 44 N78-17460

Underground mineral extraction
[NASA-CASE-NPO-14140-1] c 31 N78-24387

Solar pond
[NASA-CASE-NPO-13581-2] c 44 N78-31525

Primary reflector for solar energy collection systems
[NASA-CASE-NPO-13579-4] c 44 N79-14529

Primary reflector for solar energy collection systems and method of making same
[NASA-CASE-NPO-13579-3] c 44 N79-24432

Solar energy collection system
[NASA-CASE-NPO-13579-2] c 44 N79-24433

Multiple anode arc lamp system
[NASA-CASE-NPO-10857-1] c 33 N80-14330

Underground mineral extraction
[NASA-CASE-NPO-14140-1] c 43 N81-26509

Sphere forming method and apparatus
[NASA-CASE-NPO-15070-1] c 31 N83-35176

MILLER, D. P.

Controllers Patent
[NASA-CASE-XMS-07487] c 15 N71-23255

MILLER, E.

Synchronized voltage contrast display analysis system
[NASA-CASE-NPO-14567-1] c 33 N83-18996

MILLER, E. L.

Electronic system for high power load control
[NASA-CASE-NPO-15358-1] c 33 N83-27126

MILLER, H. B.

Compensating radiometer
[NASA-CASE-XLA-04556] c 14 N69-27484

Heat sensing instrument Patent
[NASA-CASE-XLA-01551] c 14 N71-22989

Spherical measurement device
[NASA-CASE-XLA-06683] c 14 N72-28436

MILLER, J. A., JR.

Method of forming difunctional polyisobutylene
[NASA-CASE-NPO-10893] c 27 N73-22710

MILLER, J. C.

Apparatus for detecting the amount of material in a resonant cavity container Patent
[NASA-CASE-XNP-02500] c 18 N71-27397

MILLER, J. E.

Satellite interface synchronization system
[NASA-CASE-GSC-10390-1] c 07 N72-11149

MILLER, J. G.

Ultrasonic calibration device
[NASA-CASE-LAR-11435-1] c 35 N76-15432

MILLER, J. L.

Boring bar drive mechanism Patent
[NASA-CASE-XLA-03661] c 15 N71-33518

MILLER, P. C.

Low temperature aluminum alloy Patent
[NASA-CASE-XMF-02786] c 17 N71-20743

MILLER, R. A.

Corrosion resistant thermal barrier coating
[NASA-CASE-LEW-13088-1] c 26 N81-25188

MILLER, W. E.

Photocapacitive image converter
[NASA-CASE-LAR-12513-1] c 44 N82-32841

MILLER, W. N.

Hermetically sealable package for hybrid solid-state electronic devices and the like
[NASA-CASE-MSC-20181-1] c 33 N82-28549

MILLIGAN, G. C.

Digital memory sense amplifying means Patent
[NASA-CASE-XNP-01012] c 08 N71-28925

MILLIKEN, D. B.

Film feed camera having a detent means Patent
[NASA-CASE-LAR-10686] c 14 N71-28935

MILLIKEN, J. F.

Linear differential pressure sensor Patent
[NASA-CASE-XMF-01974] c 14 N71-22752

MILLS, M. K.

Tracking antenna system Patent
[NASA-CASE-GSC-10553-1] c 07 N71-19854

Antenna array at focal plane of reflector with coupling network for beam switching Patent
[NASA-CASE-GSC-10220-1] c 07 N71-27233

MILLS, S. M.

Transient-compensated SCR inverter
[NASA-CASE-XLA-08507] c 09 N69-39984

Apparatus for microbiological sampling
[NASA-CASE-LAR-11069-1] c 35 N75-12272

Automatic inoculating apparatus
[NASA-CASE-LAR-11074-1] c 51 N75-13502

Automatic microbial transfer device
[NASA-CASE-LAR-11354-1] c 35 N75-27330

Measurement of gas production of microorganisms
[NASA-CASE-LAR-11326-1] c 35 N75-33368

Automated single-slide staining device
[NASA-CASE-LAR-11849-1] c 51 N77-27677

MILLY, J. J.

Satellite despin device Patent
[NASA-CASE-XMF-08523] c 31 N71-20396

MINKIN, H. L.

Liquid flow sight assembly Patent
[NASA-CASE-XLE-02998] c 14 N70-42074

MINOTT, P. O.

Retrodirective optical system
[NASA-CASE-XGS-04480] c 16 N69-27491

Retrodirective modulator Patent
[NASA-CASE-GSC-10062] c 14 N71-15605

Dual aperture multispectral Schmidt objective
[NASA-CASE-GSC-12756-1] c 74 N82-30073

Multiplex collimator
[NASA-CASE-GSC-12608-1] c 74 N83-10900

Interferometric angle monitor
[NASA-CASE-GSC-12614-1] c 74 N83-32577

High speed multi focal plane optical system
[NASA-CASE-GSC-12683-1] c 74 N83-36898

MINTER, E. J.

Method of peening and portable peening gun
[NASA-CASE-MFS-23047-1] c 37 N76-18454

MINTON, F. R.

Window defect planar mapping technique
[NASA-CASE-MSC-19442-1] c 74 N77-10899

MINTON, U. O.

Window defect planar mapping technique
[NASA-CASE-MSC-19442-1] c 74 N77-10899

MIRTICH, M. J.

Modification of the electrical and optical properties of polymers
[NASA-CASE-LEW-13027-1] c 27 N80-24437

Surface texturing of fluoropolymers
[NASA-CASE-LEW-13028-1] c 27 N82-33521

MIRTICH, M. J., JR.

Hydrogen hollow cathode ion source
[NASA-CASE-LEW-12940-1] c 72 N80-33186

MISERENTINO, R.

Displacement probes with self-contained exciting medium
[NASA-CASE-LAR-11690-1] c 35 N80-14371

MITCHELL, D. K.

Borescope with variable angle scope
[NASA-CASE-MFS-15162] c 14 N72-32452

MITCHELL, F. R.

Attitude control for spacecraft Patent
[NASA-CASE-XNP-00294] c 21 N70-36938

MITCHELL, G. A.

Airflow control system for supersonic inlets
[NASA-CASE-LEW-11188-1] c 02 N74-20646

MITCHELL, N. M.

Method and apparatus for detection and location of microleaks Patent
[NASA-CASE-XMF-02307] c 14 N71-10779

MITCHELL, V. M.

Digital cardiachometer system Patent
[NASA-CASE-XMS-02399] c 05 N71-22896

MITCHUM, L. L., JR.

Collapsible loop antenna for space vehicle Patent
[NASA-CASE-XMF-00437] c 07 N70-40202

MIXSON, J. S.

Ring wing tension vehicle Patent
[NASA-CASE-XLA-04901] c 31 N71-24315

MOACANIN, J.

Ionene membrane separator
[NASA-CASE-NPO-11091] c 18 N72-22567

Method of making hollow elastomeric bodies
[NASA-CASE-NPO-13535-1] c 37 N76-31524

Double-beam optical method and apparatus for measuring thermal diffusivity and other molecular dynamic processes in utilizing the transient thermal lens effect
[NASA-CASE-NPO-14657-1] c 74 N81-17887

Broadband optical radiation detector
[US-PATENT-4,262,198] c 74 N83-19597

- MOECKEL, W. E.**
Electro-thermal rocket Patent
[NASA-CASE-XLE-00267] c 28 N70-33356
- MOEDE, L. W.**
Wide range analog-to-digital converter with a variable gain amplifier
[NASA-CASE-NPO-11018] c 08 N72-21200
Digital control and information system
[NASA-CASE-NPO-11016] c 08 N72-31226
- MOEN, W. K.**
Self-cycling fluid heater
[NASA-CASE-MSC-15567-1] c 33 N73-16918
- MOFFITT, F. L.**
Image magnification adapter for cameras Patent
[NASA-CASE-XMF-03844-1] c 14 N71-26474
- MOGAVERO, L. N.**
System and method for tracking a signal source
[NASA-CASE-HQN-10880-1] c 17 N78-17140
- MONAGHAN, R.**
Inflatable device for installing strain gage bridges
[NASA-CASE-FRC-11068-1] c 35 N82-24473
- MONDT, J. F.**
Nuclear thermionic converter
[NASA-CASE-NPO-13121-1] c 73 N77-18891
- MONFORD, L. G., JR.**
Radiometric temperature reference Patent
[NASA-CASE-MSC-13276-1] c 14 N71-27058
Multifunction audio digitizer
[NASA-CASE-MSC-13855-1] c 35 N74-17885
Digital communication system
[NASA-CASE-MSC-13912-1] c 32 N74-30524
Binary concatenated coding system
[NASA-CASE-MSC-14082-1] c 60 N76-23850
- MONSON, D. J.**
Dual-beam skin friction interferometer
[NASA-CASE-ARC-11354-1] c 74 N83-21949
- MONTEITH, J. H.**
Flow velocity and directional instrument
[NASA-CASE-LAR-10855-1] c 14 N73-13415
- MONTEITH, L. K.**
Particulate and aerosol detector
[NASA-CASE-LAR-11434-1] c 35 N76-22509
- MONTGOMERY, L. C.**
Process for preparing sterile solid propellants Patent
[NASA-CASE-XNP-01749] c 27 N70-41897
Processing for producing a sterilized instrument Patent
[NASA-CASE-XNP-09763] c 14 N71-20461
- MONTGOMERY, L. D.**
Readout electrode assembly for measuring biological impedance
[NASA-CASE-ARC-10816-1] c 35 N76-24525
- MONTROY, L. C.**
System for use in conducting wake investigation for a wing in flight
[NASA-CASE-FRC-11024-1] c 02 N80-28300
Skin friction measuring device for aircraft
[NASA-CASE-FRC-11029-1] c 06 N81-17057
- MOODY, D. L., JR.**
Readout electrode assembly for measuring biological impedance
[NASA-CASE-ARC-10816-1] c 35 N76-24525
- MOONEY, V.**
Prosthesis coupling
[NASA-CASE-KSC-11069-1] c 52 N79-26772
- MOORE, C. D.**
Waveform simulator Patent
[NASA-CASE-NPO-10251] c 10 N71-27365
- MOORE, H. D.**
Reversible ring counter employing cascaded single SCR stages Patent
[NASA-CASE-XGS-01473] c 09 N71-10673
- MOORE, R. C.**
Open loop digital frequency multiplier
[NASA-CASE-MSC-12709-1] c 33 N77-24375
- MOORE, R. L.**
Trigonometric vehicle guidance assembly which aligns the three perpendicular axes of two three-axes systems Patent
[NASA-CASE-XMF-00684] c 21 N71-21688
Rotary actuator
[NASA-CASE-NPO-10680] c 31 N73-14855
- MOORE, T. C.**
Strain gage calibration
[NASA-CASE-LAR-12743-1] c 35 N82-32661
- MOORE, T. J.**
Welding blades to rotors
[NASA-CASE-LEW-10533-1] c 15 N73-28515
Enhanced diffusion welding
[NASA-CASE-LEW-11388-1] c 15 N73-32358
Production of hollow components for rolling element bearings by diffusion welding
[NASA-CASE-LEW-11026-1] c 15 N73-33383
Apparatus for welding blades to rotors
[NASA-CASE-LEW-10533-2] c 37 N74-11300
- Diffusion welding in air
[NASA-CASE-LEW-11387-1] c 37 N74-18128
- MOORE, W. A.**
Journal bearings
[NASA-CASE-LEW-11076-1] c 37 N74-21061
Journal Bearings
[NASA-CASE-LEW-11076-2] c 37 N74-32921
Lubricated journal bearing
[NASA-CASE-LEW-11076-3] c 37 N75-30562
Fluid journal bearings
[NASA-CASE-LEW-11076-4] c 37 N76-15461
- MORANDO, J. A.**
Hydraulic transformer Patent
[NASA-CASE-MFS-20830] c 15 N71-30028
- MORDECAI, T. T.**
Method of recording a gas flow pattern Patent
[NASA-CASE-XMF-01779] c 12 N71-20815
- MORECROFT, J. H.**
Incremental motion drive system Patent
[NASA-CASE-XNP-08897] c 15 N71-17694
- MORELLI, F. A.**
Process for preparing sterile solid propellants Patent
[NASA-CASE-XNP-01749] c 27 N70-41897
Processing for producing a sterilized instrument Patent
[NASA-CASE-XNP-09763] c 14 N71-20461
- MOREMAN, O. S., III**
Deformable bearing seat
[NASA-CASE-LEW-12527-1] c 37 N77-32500
Bearing seat usable in a gas turbine engine
[NASA-CASE-LEW-12477-1] c 37 N77-32501
- MORGAN, C. J.**
Workpiece positioning vise
[NASA-CASE-GSC-12762-1] c 37 N82-29604
- MORGAN, I. T., JR.**
Translatory shock absorber for attitude sensors
[NASA-CASE-MFS-22905-1] c 19 N76-22284
- MORGAN, J. E.**
Condition sensor system and method
[NASA-CASE-MSC-14805-1] c 54 N78-32720
- MORGAN, L. E.**
Serial data correlator/code translator
[NASA-CASE-KSC-11025-1] c 32 N83-13323
- MORGAN, W. C.**
Thin-walled pressure vessel Patent
[NASA-CASE-XLE-04677] c 15 N71-10577
- MORISSETTE, S.**
Junction range finder
[NASA-CASE-KSC-10108] c 14 N73-25461
- MORRELL, G.**
Method for continuous variation of propellant flow and thrust in propulsive devices Patent
[NASA-CASE-XLE-00177] c 28 N70-40367
- MORRIS, D. E.**
Silphenylenesiloxane polymers having in-chain perfluoroalkyl groups
[NASA-CASE-MFS-20979] c 06 N72-25151
Polymerizable disilanes having in-chain perfluoroalkyl groups
[NASA-CASE-MFS-20979-2] c 06 N73-32030
- MORRIS, J. F.**
Probes having ring and primary sensor at same potential to prevent collection of stray wall currents in ionized gases
[NASA-CASE-XLE-00690] c 25 N69-39884
Thermocouples of tantalum and rhenium alloys for more stable vacuum-high temperature performance
[NASA-CASE-LEW-12050-1] c 35 N77-32454
Thermocouples of molybdenum and indium alloys for more stable vacuum-high temperature performance
[NASA-CASE-LEW-12174-2] c 35 N79-14346
High thermal power density heat transfer
[NASA-CASE-LEW-12950-1] c 34 N82-11399
Heat pipes containing alkali metal working fluid
[NASA-CASE-LEW-12253-1] c 74 N83-19596
High thermal power density heat transfer apparatus providing electrical isolation at high temperature using heat pipes
[NASA-CASE-LEW-12950-2] c 44 N83-29804
Thermionic energy converters
[NASA-CASE-LEW-12443-1] c 44 N83-32175
- MORRIS, J. R.**
Difference circuit Patent
[NASA-CASE-XNP-08274] c 10 N71-13537
- MORRIS, P. W.**
Coal-shale interface detection system
[NASA-CASE-MFS-23720-2] c 43 N80-14423
- MORRISETTE, E. L.**
Powder fed sheared dispersal particle generator
[NASA-CASE-LAR-12785-1] c 34 N82-24448
- MORRISON, A. D.**
Total immersion crystal growth
[NASA-CASE-NPO-15800-1] c 78 N83-15149
Method for growing low defect, high purity crystalline layers
[NASA-CASE-NPO-15813-1] c 76 N83-30269
- MORRISON, H. D.**
Anti-fog composition
[NASA-CASE-MSC-13530-2] c 23 N75-14834
- MORSE, C. P.**
Method and device for cooling Patent
[NASA-CASE-HQN-00938] c 33 N71-29053
- MORTENSEN, L. O.**
Impact monitoring apparatus
[NASA-CASE-MSC-15626-1] c 14 N72-25411
- MOSER, B. G.**
Zeta potential flowmeter Patent
[NASA-CASE-XNP-06509] c 14 N71-23226
Method for controlling vapor content of a gas
[NASA-CASE-NPO-10633] c 03 N72-28025
Polymers compositions and their method of manufacture
[NASA-CASE-NPO-10424-1] c 27 N81-24258
- MOSER, J. C.**
Electronic checkout system for space vehicles Patent
[NASA-CASE-XKS-08012-2] c 31 N71-15566
- MOSIER, B.**
Pressed disc type sensing electrodes with ion-screening means Patent
[NASA-CASE-XMS-04212-1] c 05 N71-12346
Plated electrodes Patent
[NASA-CASE-XMS-04213-1] c 09 N71-26002
Method of making a perspiration resistant biopotential electrode
[NASA-CASE-MSC-90153-2] c 05 N72-25120
- MOSIER, J. R.**
Decontamination of petroleum products Patent
[NASA-CASE-XNP-03835] c 06 N71-23499
- MOSSOLANI, D. L.**
Rotary leveling base platform
[NASA-CASE-ARC-10981-1] c 37 N78-27425
- MOUNTVALA, A. J.**
Lightweight refractory insulation and method of preparing the same Patent
[NASA-CASE-XMF-05279] c 18 N71-16124
- MOYER, X. W.**
Redundant actuating mechanism Patent
[NASA-CASE-XGS-08718] c 15 N71-24600
Delayed simultaneous release mechanism
[NASA-CASE-GSC-10814-1] c 03 N73-20039
- MOYERS, C. V.**
System for sterilizing objects
[NASA-CASE-KSC-11085-1] c 54 N81-24724
- MOYNIHAN, P. I.**
Fluidized bed coal combustion reactor
[NASA-CASE-NPO-14273-1] c 25 N82-11144
- MROZ, T. S.**
Direct heating surface combustor
[NASA-CASE-LEW-11677-1] c 34 N78-27357
- MUEHTER, P. P.**
Heat sterilizable patient ventilator
[NASA-CASE-NPO-13313-1] c 54 N75-27761
- MUELLER, R. I.**
Method for forming a solar array strip
[NASA-CASE-NPO-13652-3] c 44 N80-14474
- MUELLER, R. L.**
Solar array strip and a method for forming the same
[NASA-CASE-NPO-13652-1] c 44 N79-17314
Bonding machine for forming a solar array strip
[NASA-CASE-NPO-13652-2] c 44 N79-24431
- MUELLER, W. A.**
Aldehyde-containing urea-absorbing polysaccharides
[NASA-CASE-NPO-13620-1] c 27 N77-30236
Dialysis system
[NASA-CASE-NPO-14101-1] c 52 N80-14687
Sewage sludge additive
[NASA-CASE-NPO-13877-1] c 45 N82-11634
Elastomer coated filler and composites thereof comprising at least 60% by weight of a hydrated filler and an elastomer containing an acid substituent
[NASA-CASE-NPO-14857-1] c 27 N83-19900
- MUGLER, S. W.**
Precipitation detector Patent
[NASA-CASE-XLA-02619] c 10 N71-26334
- MULHERN, J. E., JR.**
Recorder using selective noise filter
[NASA-CASE-ERC-10112] c 07 N72-21119
- MULLEN, D. L.**
Matched thermistors for microwave power meters Patent
[NASA-CASE-NPO-10348] c 10 N71-12554
Broadband microwave waveguide window Patent
[NASA-CASE-XNP-08880] c 09 N71-24808
- MULLEN, L. O.**
Electrical insulating layer process
[NASA-CASE-LEW-10489-1] c 15 N72-25447
- MULLEN, P. G.**
Multicomputer communication system
[NASA-CASE-NPO-15433-1] c 62 N83-20634

N

MULLER, K.

Electric arc light source having undercut recessed anode
[NASA-CASE-ARC-10266-1] c 33 N75-29318

MULLER, R. M.

Method and apparatus for measuring web material wound on a reel
[NASA-CASE-GSC-11902-1] c 38 N77-17495

MULLIKEN, R. F.

Method of repairing discontinuity in fiberglass structures
[NASA-CASE-LAR-10416-1] c 24 N74-30001

MUMOLA, P. B.

Laser head for simultaneous optical pumping of several dye lasers
[NASA-CASE-LAR-11341-1] c 36 N75-19655

MUNFORD, J. A.

Laser measuring system for incremental assemblies
[NASA-CASE-GSC-12321-1] c 36 N82-16396

MUNOZ, R. M.

High efficiency multivibrator Patent
[NASA-CASE-XAC-00942] c 10 N71-16042

Nonlinear analog-to-digital converter Patent
[NASA-CASE-XAC-04031] c 08 N71-18594

Demodulation system Patent
[NASA-CASE-XAC-04030] c 10 N71-19472

Phase quadrature-plural channel data transmission system Patent
[NASA-CASE-XAC-06302] c 08 N71-19763

Continuous Fourier transform method and apparatus
[NASA-CASE-ARC-10466-1] c 60 N75-13539

MUNSON, R. E.

Turnstile slot antenna
[NASA-CASE-GSC-11428-1] c 32 N74-20864

MURACA, R. F.

Apparatus for testing polymers Patent
[NASA-CASE-XNP-09699] c 06 N71-24607

Procedure and apparatus for determination of water in nitrogen tetroxide
[NASA-CASE-NPO-10234] c 06 N72-17094

MURCH, R. M.

Metal containing polymers from cyclic tetrameric phenylphosphonitrimides Patent
[NASA-CASE-HQN-10364] c 06 N71-27363

MURPHY, A. J.

Optically actuated two position mechanical mover
[NASA-CASE-NPO-13105-1] c 37 N74-21060

MURPHY, D. W.

Frangible link
[NASA-CASE-MSC-11849-1] c 15 N72-22488

Pressure limiting propellant actuating system
[NASA-CASE-MSC-18179-1] c 20 N80-18097

MURPHY, F. L.

Bimetallic power controlled actuator
[NASA-CASE-XNP-09776] c 09 N69-39929

MURPHY, J. P.

All sky pointing attitude control system
[NASA-CASE-ARC-10716-1] c 35 N77-20399

High acceleration cable deployment system
[NASA-CASE-ARC-11256-1] c 15 N82-24272

MURPHY, W. J.

Barium release system
[NASA-CASE-LAR-10670-1] c 06 N73-30097

Rocket having barium release system to create ion clouds in the upper atmosphere
[NASA-CASE-LAR-10670-2] c 15 N74-27360

MURTY, M. V. R. K.

Concave grating spectrometer Patent
[NASA-CASE-XGS-01036] c 14 N70-40003

MUSICK, R. O.

Two-axis controller Patent
[NASA-CASE-XFR-04104] c 03 N70-42073

MUSSETT, E. W.

Device for separating occupant from an ejection seat Patent
[NASA-CASE-XMS-04625] c 05 N71-20718

MYERS, D. A.

Portable environmental control system Patent
[NASA-CASE-XMS-09632-1] c 05 N71-11203

MYERS, I. T.

Regulated high efficiency, lightweight capacitor-diode multiplier dc to dc converter
[NASA-CASE-LEW-12791-1] c 33 N78-32341

MYERS, W. N.

Duct coupling for single-handed operation Patent
[NASA-CASE-MFS-20395] c 15 N71-24903

Mechanical thermal motor
[NASA-CASE-MFS-23062-1] c 37 N77-12402

Spherical bearing
[NASA-CASE-MFS-23447-1] c 37 N79-11404

Amplified wind turbine apparatus
[NASA-CASE-MFS-23830-1] c 44 N82-24639

Unitary seal ring assembly
[NASA-CASE-MFS-25678-1] c 37 N82-25517

NAESETH, R. L.

Aeroflexible structures
[NASA-CASE-XLA-06095] c 01 N69-39981

NAGANO, S.

Overload protection system for power inverter
[NASA-CASE-NPO-13872-1] c 33 N78-10377

Module failure isolation circuit for paralleled inverters
[NASA-CASE-NPO-14000-1] c 33 N79-24254

Circuit for automatic load sharing in parallel converter modules
[NASA-CASE-NPO-14056-1] c 33 N79-24257

Base drive for paralleled inverter systems
[NASA-CASE-NPO-14163-1] c 33 N81-14220

Redundant operation of counter modules
[NASA-CASE-NPO-14162-1] c 60 N81-15706

Low current linearization of magnetic amplifier for dc transducer
[NASA-CASE-NPO-14617-1] c 33 N81-24338

NAGLE, W. J.

Multi-cell battery protection system
[NASA-CASE-LEW-12039-1] c 44 N78-14625

Toroidal cell and battery
[NASA-CASE-LEW-12918-1] c 44 N81-24521

Additive for zinc electrodes
[NASA-CASE-LEW-13286-1] c 44 N81-27597

NAIDITCH, S.

Method of producing crystalline materials
[NASA-CASE-NPO-10440] c 15 N72-21466

NAKADA, M. P.

Time of flight mass spectrometer with feedback means from the detector to the low source and a specific counter Patent
[NASA-CASE-XNP-01056] c 14 N71-23041

NAKAMURA, H. H.

Lightweight refractory insulation and method of preparing the same Patent
[NASA-CASE-XMF-05279] c 18 N71-16124

NAKANISHI, S.

Ion thruster cathode Patent Application
[NASA-CASE-LEW-10814-1] c 28 N70-35422

Plasma device feed system Patent
[NASA-CASE-XLE-02902] c 25 N71-21694

Ion thruster accelerator system Patent
[NASA-CASE-LEW-10106-1] c 28 N71-26642

Propellant feed isolator Patent
[NASA-CASE-LEW-10210-1] c 28 N71-26781

Single gnd accelerator for an ion thruster
[NASA-CASE-XLE-10453-2] c 28 N73-27699

NAKICH, R. B.

Apparatus for scanning the surface of a cylindrical body
[NASA-CASE-NPO-11861-1] c 36 N74-20009

Digital servo control of random sound test excitation
[NASA-CASE-LEW-11623-1] c 71 N74-31148

NANCE, H. M.

A dc motor speed control system Patent
[NASA-CASE-MFS-14610] c 09 N71-28886

NAPLES, J. F.

Method for forming plastic materials Patent
[NASA-CASE-XMS-05516] c 15 N71-17803

NARASIMHAN, K. Y.

System for detecting substructure microfractures and method therefore
[NASA-CASE-NPO-14192-1] c 39 N80-10507

System for plotting subsoil structure and method therefore
[NASA-CASE-NPO-14191-1] c 31 N80-32584

NASH, D. O.

Sound-suppressing structure with thermal relief
[NASA-CASE-LEW-12658-1] c 71 N79-14871

NASON, G. H.

Flexible blade antenna Patent
[NASA-CASE-MSC-12101] c 09 N71-18720

NASUTI, A. J.

Test fixture for pellet-like electrical elements
[NASA-CASE-XNP-06032] c 09 N69-21926

Support structure for irradiated elements Patent
[NASA-CASE-XNP-06031] c 15 N71-15606

NATHAN, R.

System for plotting subsoil structure and method therefore
[NASA-CASE-NPO-14191-1] c 31 N80-32584

NAUMANN, E. C.

Fatigue testing device Patent
[NASA-CASE-XLA-02131] c 32 N70-42003

Automatic fatigue test temperature programmer Patent
[NASA-CASE-XLA-02059] c 33 N71-24276

Arbitrarily shaped model survey system Patent
[NASA-CASE-LAR-10098] c 32 N71-26681

Function generator for synthesizing complex vibration mode patterns
[NASA-CASE-LAR-10310-1] c 10 N73-20253

NAUMANN, R. J.

Liquid aerosol dispenser
[NASA-CASE-MFS-20829] c 12 N72-21310

Carbon monoxide monitor
[NASA-CASE-MFS-22060-1] c 35 N75-29380

Containerless high purity pulling process and apparatus for glass fibers
[NASA-CASE-MFS-25905-1] c 74 N83-35825

NEAL, P. F.

Emergency escape system Patent
[NASA-CASE-XKS-07814] c 15 N71-27067

NEALY, J. E.

Combustion detector
[NASA-CASE-LAR-10739-1] c 14 N73-16484

NELSON, B.

Defective rod switch with elastic support and sealing means Patent
[NASA-CASE-XNP-09808] c 09 N71-12518

NELSON, B. W.

Optical machine tool alignment indicator Patent
[NASA-CASE-XAC-09489-1] c 15 N71-26673

NELSON, C. A.

Flipflop interrogator and bi-polar current driver Patent
[NASA-CASE-XGS-03058] c 10 N71-19547

NELSON, C. H.

Ablation sensor
[NASA-CASE-XLA-01781] c 14 N69-39975

Reentry communication by material addition Patent
[NASA-CASE-XLA-01552] c 07 N71-11284

NELSON, C. W.

X-ray determination of parts alignment
[NASA-CASE-MSC-20418-1] c 37 N83-17882

NELSON, D. E.

Convoluting device for forming convolutions and the like Patent
[NASA-CASE-XNP-05297] c 15 N71-23811

NELSON, E. P.

Safety-type locking pin
[NASA-CASE-MFS-18495] c 15 N72-11385

NELSON, H. H.

Telemetry word forming unit
[NASA-CASE-XNP-09225] c 09 N69-24333

NELSON, M. D.

Method for making a bonded single mode fiber optic wavelength coupler
[NASA-CASE-NPO-15464-1] c 74 N83-25540

NELSON, W. J.

Slosh alleviator Patent
[NASA-CASE-XLA-05749] c 15 N71-19569

NERAD, B. A.

Glass heating panels and method for preparing the same from architectural reflective glass
[NASA-CASE-NPO-15753-1] c 33 N82-23396

NERHEIM, N. M.

Inert gas metallic vapor laser
[NASA-CASE-NPO-13449-1] c 36 N75-32441

NEUGEBAUER, M. M.

Ion mass spectrometer
[NASA-CASE-NPO-15423-1] c 91 N82-25042

NEWBY, D. T.

Hole cutter
[NASA-CASE-MFS-22649-1] c 37 N75-25186

NEWCOMB, A. L. JR.

Electromagnetic mirror drive system
[NASA-CASE-XLA-03724] c 14 N69-27461

Ac power amplifier Patent Application
[NASA-CASE-LAR-10218-1] c 09 N70-34559

Variable duration pulse integrator Patent
[NASA-CASE-XLA-01219] c 10 N71-23084

Variable width pulse integrator Patent
[NASA-CASE-XLA-03356] c 10 N71-23315

NEWCOMB, J. F.

Altitude sensor
[NASA-CASE-LAR-10586-1] c 19 N74-15089

NEWCOMB, J. F.

Null device for hand controller Patent
[NASA-CASE-XLA-01808] c 15 N71-20740

NEWCOMB, W. L.

Quick release separation mechanism Patent
[NASA-CASE-XLA-01441] c 15 N70-41679

NEWCOMB, C. A.

Method for making a heat insulating and ablative structure
[NASA-CASE-XMS-01108] c 15 N69-24322

NEWMAN, D. F.

Test stand system for vacuum chambers
[NASA-CASE-MFS-21362] c 11 N73-20267

NEWMAN, J. B.

Catalyst bed removing tool Patent
[NASA-CASE-XFR-00811] c 15 N70-36901

NEWMAN, J. M.

New polymers of perfluorobutadiene and method of manufacture Patent application
[NASA-CASE-NPO-10863] c 06 N70-11251

Polymers of perfluorobutadiene and method of manufacture
[NASA-CASE-NPO-10863-2] c 06 N72-25152

- NIBLEY, D. A.**
Method for detecting coliform organisms
[NASA-CASE-ARC-11322-1] c 51 N83-28849
- NICHOLS, F. W.**
Method and apparatus for fabricating improved solar cell modules
[NASA-CASE-NPO-14416-1] c 44 N81-14389
- NICHOLS, G. B.**
Apparatus for controlling the velocity of an electromechanical drive for interferometers and the like
Patent
[NASA-CASE-XGS-03532] c 14 N71-17627
Apparatus for phase stability determination Patent
[NASA-CASE-XGS-01118] c 10 N71-23662
- NICHOLS, G. H.**
Aircraft canopy lock
[NASA-CASE-FRC-11065-1] c 05 N83-19737
- NICHOLS, J. J.**
Force measuring instrument Patent
[NASA-CASE-XMF-00456] c 14 N70-34705
- NICHOLS, M. R.**
Nacelle afterbody for jet engines Patent
[NASA-CASE-XLA-10450] c 28 N71-21493
Dual cycle aircraft turbine engine
[NASA-CASE-LAR-11310-1] c 07 N77-28118
- NICKLAS, J. C.**
Attitude control for spacecraft Patent
[NASA-CASE-XNP-02982] c 31 N70-41855
Solar vane actuator Patent
[NASA-CASE-XNP-05535] c 14 N71-23040
- NICOL, W. S.**
Vapor deposition apparatus
[NASA-CASE-HQN-10462] c 25 N75-29192
- NIEDRA, J. M.**
Pulse coupling circuit
[NASA-CASE-LEW-10433-1] c 09 N72-22197
- NIEDZWIECKI, R. W.**
Swirl can primary combustor
[NASA-CASE-LEW-11326-1] c 23 N73-30665
Controlled separation combustor
[NASA-CASE-LEW-11593-1] c 20 N76-14190
- NIELSON, T. L.**
Technique of elbow bending small jacketed transfer lines
Patent
[NASA-CASE-XNP-10475] c 15 N71-24679
- NIER, A. O.**
Mass spectrometer with magnetic pole pieces providing the magnetic fields for both the magnetic sector and an ion-type vacuum pump
[NASA-CASE-NPO-13663-1] c 35 N77-14406
- NIESSEN, F. R.**
Filtering technique based on high-frequency plant modeling for high-gain control
[NASA-CASE-LAR-12215-1] c 08 N79-23097
- NIR, Z.**
Toughening reinforced epoxy composites with brominated polymeric additives
[NASA-CASE-ARC-11427-1] c 24 N83-25791
- NISEN, D. B.**
Containerless high temperature calorimeter apparatus
[NASA-CASE-MFS-23923-1] c 35 N81-19426
Method and apparatus for supercooling and solidifying substances
[NASA-CASE-MFS-25242-1] c 35 N83-29650
- NISHIOKA, K.**
Method for detecting coliform organisms
[NASA-CASE-ARC-11322-1] c 51 N83-28849
- NISSIM, E.**
Suppression of flutter
[NASA-CASE-LAR-10682-1] c 02 N73-26004
- NISWANDER, J. K.**
Memory-based parallel data output controller
[NASA-CASE-GSC-12447-1] c 60 N80-21987
Memory-based frame synchronizer
[NASA-CASE-GSC-12430-1] c 60 N82-16747
Memory-based parallel data output controller
[NASA-CASE-GSC-12447-2] c 17 N83-29302
- NITTA, H.**
High-temperature, high-pressure spherical segment valve Patent
[NASA-CASE-XAC-00074] c 15 N70-34817
- NIXON, D. L.**
Parabolic reflector horn feed with spillover correction
Patent
[NASA-CASE-XNP-00540] c 09 N70-35382
Indexing microwave switch Patent
[NASA-CASE-XNP-06507] c 09 N71-23548
Rotary vane attenuator wherein rotor has orthogonally disposed resistive and dielectric cards
[NASA-CASE-NPO-11418-1] c 14 N73-13420
- NOBLE, R. M.**
Solenoid construction Patent
[NASA-CASE-XNP-01951] c 09 N70-41929
- NOLA, F. J.**
Positive dc to positive dc converter Patent
[NASA-CASE-XMF-14301] c 09 N71-23188
- Positive dc to negative dc converter Patent
[NASA-CASE-XMF-08217] c 03 N71-23239
- Transistor servo system including a unique differential amplifier circuit Patent
[NASA-CASE-XMF-05195] c 10 N71-24861
- Brushless direct current tachometer Patent
[NASA-CASE-MFS-20385] c 09 N71-24904
- Redundant speed control for brushless Hall effect motor
[NASA-CASE-MFS-20207-1] c 09 N73-32107
- Induction motor control system with voltage controlled oscillator circuit
[NASA-CASE-MFS-21465-1] c 10 N73-32145
- Variable frequency inverter for ac induction motors with torque, speed and braking control
[NASA-CASE-MFS-22088-1] c 33 N75-15874
- Tachometer
[NASA-CASE-MFS-23175-1] c 35 N77-30436
- Power factor control system for AC induction motors
[NASA-CASE-MFS-23280-1] c 33 N78-10376
- Three phase power factor controller
[NASA-CASE-MFS-25535-1] c 33 N81-12330
- Electrical power generating system
[NASA-CASE-MFS-24368-3] c 33 N81-22280
- Power factor control system for ac induction motors
[NASA-CASE-MFS-23988-1] c 33 N81-27395
- Motor power factor controller with a reduced voltage starter
[NASA-CASE-MFS-25586-1] c 33 N82-11360
- A simplified power factor controller with increased energy saving circuit
[NASA-CASE-MFS-25323-1] c 33 N82-12349
- Control system for an induction motor with energy recovery
[NASA-CASE-MFS-25477-1] c 33 N82-22437
- Pulsed thyristor trigger control circuit
[NASA-CASE-MFS-25616-1] c 33 N82-24428
- Solar powered actuator with continuously variable auxiliary power control
[NASA-CASE-MFS-25637-1] c 44 N82-26780
- Three phase power factor controller with induced EMF sensing
[NASA-CASE-MFS-25852-1] c 33 N83-17803
- Phase detector for three-phase power factor controller
[NASA-CASE-MFS-25854-1] c 33 N83-17804
- Coupling an induction motor type generator to a-c power lines
[NASA-CASE-MFS-25302-2] c 33 N83-24768
- Electrical power generating system
[NASA-CASE-MFS-25302-1] c 33 N83-28319
- Three phase power factor controller
[NASA-CASE-MFS-25535-2] c 33 N83-29593
- Trac failure detector
[NASA-CASE-MFS-25607-1] c 33 N83-34190
- NOLT, G. D.**
Fluid driven sump pump
[NASA-CASE-ARC-11414-1] c 37 N83-20152
- NOONAN, K. W.**
Family of airfoil shapes for rotating blades
[NASA-CASE-LAR-12843-1] c 05 N82-33372
- NORD, D. B.**
Method of joining aluminum to stainless steel Patent
[NASA-CASE-MFS-07369] c 15 N71-20443
- NORDEN, B. N.**
Hybrid holographic system using reflected and transmitted object beams simultaneously Patent
[NASA-CASE-MFS-20074] c 16 N71-15565
- Holographic thin film analyzer
[NASA-CASE-MFS-20823-1] c 16 N73-30476
- NOREEN, S. J.**
Spherical shield Patent
[NASA-CASE-XNP-01855] c 15 N71-28937
- NORGREN, C. T.**
Colloid propulsion method and apparatus Patent
[NASA-CASE-XLE-00817] c 28 N70-33265
- Gas turbine combustor Patent
[NASA-CASE-LEW-10286-1] c 28 N71-28915
- NORK, C. L.**
Sight switch using an infrared source and sensor Patent
[NASA-CASE-XMF-03934] c 09 N71-22985
- NORMAN, R. M.**
Vibration isolation system using compression springs
[NASA-CASE-NPO-11012] c 15 N72-11391
- Expandable support means
[NASA-CASE-NPO-11059] c 15 N72-17454
- Zero torque gear head wrench
[NASA-CASE-NPO-13059-1] c 37 N76-20480
- NORRIS, D. D.**
Particle analyzing method and apparatus
[NASA-CASE-NPO-15292-1] c 35 N83-27184
- NORTON, R. H.**
Thruster maintenance system Patent
[NASA-CASE-MFS-20325] c 28 N71-27095
- Self-recording portable soil penetrometer
[NASA-CASE-MFS-20774] c 14 N73-19420
- Interferometer
[NASA-CASE-NPO-14448-1] c 74 N81-29963
- NORWOOD, J., JR.**
Magnetically controlled plasma accelerator Patent
[NASA-CASE-XLA-00327] c 25 N71-29184
- NOSSEN, E. J.**
Frequency measurement by coincidence detection with standard frequency
[NASA-CASE-MSC-14649-1] c 33 N76-16331
- NOVOTNY, J. E.**
Ultrastable calibrated light source
[NASA-CASE-MSC-12293-1] c 14 N72-27411
- NUSBAUM, W. J.**
Apparatus for absorbing and measuring power Patent
[NASA-CASE-XLE-00720] c 14 N70-40201
- O**
- OAKLEY, E. C.**
RF-source resistance meters
[NASA-CASE-NPO-11291-1] c 14 N73-30388
- OBERSCHMIDT, M.**
Flow test device
[NASA-CASE-XMS-04917] c 14 N69-24257
- OBLER, H. D.**
Air conditioning system and component therefore distributing air flow from opposite directions
[NASA-CASE-GSC-11445-1] c 31 N74-27902
- Apparatus for supplying conditioned air at a substantially constant temperature and humidity
[NASA-CASE-GSC-12191-1] c 31 N80-32583
- Variable speed drive
[NASA-CASE-GSC-12643-1] c 37 N83-26078
- OBRIAN, J. P.**
Process for the preparation of polycarbonylphosphazenes
[NASA-CASE-ARC-11176-2] c 27 N81-27271
- OBRIEN, D. E., III**
Technique for recovery of voice data from heat damaged magnetic tape
[NASA-CASE-MSC-14219-1] c 32 N74-27612
- OBRIEN, J. P.**
Carboranylchlorophosphazenes and their polymers
[NASA-CASE-ARC-11176-1] c 27 N82-18389
- OCALLAGHAN, F. G.**
Integrated optics in an electrically scanned imaging Fourier transform spectrometer
[NASA-CASE-NPO-15844-1] c 74 N83-12992
- O'CONNOR, B. J.**
Failure detection and control means for improved drift performance of a gimbaled platform system
[NASA-CASE-MFS-23551-1] c 04 N76-26175
- O'CONNOR, E. W.**
Condensate removal device for heat exchanger
[NASA-CASE-MSC-14143-1] c 77 N75-20139
- O'CONNOR, J. W.**
Fastener stretcher
[NASA-CASE-GSC-11149-1] c 15 N73-30457
- ODELL, H. G.**
Dual latching solenoid valve Patent
[NASA-CASE-XMS-05890] c 09 N71-23191
- ODONNELL, P. M.**
Corrosion resistant beryllium Patent
[NASA-CASE-LEW-10327] c 17 N71-33408
- ODONNELL, T. J.**
Spherically-shaped rocket motor Patent
[NASA-CASE-XHQ-01897] c 28 N70-35381
- OERTEL, G. K.**
Fast opening diaphragm Patent
[NASA-CASE-XLA-03660] c 15 N71-21060
- Measurement of time differences between luminous events Patent
[NASA-CASE-XLA-01987] c 23 N71-23976
- OFARRELL, H. W.**
Solar cell module assembly μ g
[NASA-CASE-XGS-00829-1] c 44 N79-19447
- OFFIK, W. G.**
Emergency escape system Patent
[NASA-CASE-XKS-02342] c 05 N71-11199
- OGDEN, H. F.**
Aerodynamic measuring device Patent
[NASA-CASE-XLA-00481] c 14 N70-36824
- Check valve assembly for a probe Patent
[NASA-CASE-XLA-00128] c 15 N70-37925
- OGDEN, H. R.**
Low temperature aluminum alloy Patent
[NASA-CASE-XMF-02786] c 17 N71-20743
- OGLE, J. S.**
Whole body measurement systems
[NASA-CASE-MSC-13972-1] c 52 N74-10975
- OHLSON, J. E.**
System for interference signal nulling by polarization adjustment
[NASA-CASE-NPO-13140-1] c 32 N75-24982

- Conical scan tracking system employing a large antenna
[NASA-CASE-NPO-14009-1] c 32 N79-13214
- OKANE, J. H.**
Pressure suit tie-down mechanism Patent
[NASA-CASE-XMS-00784] c 05 N71-12335
- OKEAN, H. C.**
High-Q bandpass resonators utilizing bandstop resonator pairs
[NASA-CASE-GSC-10990-1] c 09 N73-26195
- OKEEFE, W. J.**
Head-up attitude display
[NASA-CASE-ERC-10392] c 21 N73-14692
- OKELLY, K. P.**
Method of fluidless brazing and diffusion bonding of aluminum containing components
[NASA-CASE-MSC-14435-1] c 37 N76-18455
- OKUNOLA, O.**
GaAs Schottky barrier photo-responsive device and method of fabrication
[NASA-CASE-GSC-12816-1] c 76 N83-30268
- OLCOTT, J. W.**
Integrated lift/drag controller for aircraft
[NASA-CASE-ARC-10456-1] c 05 N75-12930
- OLDRIEVE, R. E.**
Reinforced metallic composites Patent
[NASA-CASE-XLE-02428] c 17 N70-33288
Method of making fiber reinforced metallic composites Patent
[NASA-CASE-XLE-00231] c 17 N70-38198
Tantalum modified ferritic iron base alloys
[NASA-CASE-LEW-12095-1] c 26 N78-18182
- OLIVER, G. D.**
Scanning nozzle plating system
[NASA-CASE-NPO-11758-1] c 31 N74-23065
- OLIVER, R. E.**
Multiple reflection conical microwave antenna
[NASA-CASE-NPO-11681] c 07 N73-14130
- OLIVER, R. L.**
Apparatus for applying cover slides
[NASA-CASE-NPO-10575] c 03 N72-25019
- OLLENDORF, S.**
Structural heat pipe
[NASA-CASE-GSC-11619-1] c 34 N75-12222
Thermal control canister
[NASA-CASE-GSC-12253-1] c 34 N79-31523
- OLLING, E. H.**
Radial module space station Patent
[NASA-CASE-XMS-01908] c 31 N70-41373
- OLSASKY, M. J.**
Laser camera and diffusion filter therefore Patent
[NASA-CASE-NPO-10417] c 16 N71-33410
- OLSEN, W. A., JR.**
Reduced gravity liquid configuration simulator
[NASA-CASE-XLE-02624] c 12 N69-39988
Hot wire liquid level detector for cryogenic fluids Patent
[NASA-CASE-XLE-00454] c 23 N71-17802
- OLSON, W. T.**
Inlet deflector for jet engines Patent
[NASA-CASE-XLE-00388] c 28 N70-34788
- OLTMANS, D. A.**
Matched thermistors for microwave power meters Patent
[NASA-CASE-NPO-10348] c 10 N71-12554
- ONEIL, R. L.**
Particulate and aerosol detector
[NASA-CASE-LAR-11434-1] c 35 N76-22509
- ONEILL, R. W.**
Monostable multivibrator with complementary NOR gates Patent
[NASA-CASE-MSC-13492-1] c 10 N71-28860
Peak holding circuit for extremely narrow pulses
[NASA-CASE-MSC-14129-1] c 33 N75-18479
- ORAN, W. A.**
Method and apparatus for shaping and enhancing acoustical levitation forces
[NASA-CASE-MFS-25050-1] c 71 N81-15787
Gas levitator having fixed levitation node for containerless processing
[NASA-CASE-MFS-25509-1] c 35 N83-24828
- OREILLY, W. J.**
Portable environmental control system Patent
[NASA-CASE-XMS-09632-1] c 05 N71-11203
- OREM, V. C.**
Fastener stretcher
[NASA-CASE-GSC-11149-1] c 15 N73-30457
- ORILLION, A. G.**
Personal propulsion unit Patent
[NASA-CASE-MFS-20130] c 28 N71-27585
- ORLIK, F. W.**
Pressure seal Patent
[NASA-CASE-NPO-10798] c 15 N71-27068

- ORLOFF, K. L.**
Combined dual scatter, local oscillator laser Doppler velocimeter
[NASA-CASE-ARC-10642-1] c 36 N76-14447
Rhomboid prism pair for rotating the plane of parallel light beams
[NASA-CASE-ARC-11311-1] c 74 N83-13978
- ORMES, J. F.**
Cerenkov radiator material and charged particle detection process
[NASA-CASE-GSC-12805-1] c 72 N83-18423
- ORMISTON, R. A.**
Hingeless helicopter rotor with improved stability
[NASA-CASE-ARC-10807-1] c 05 N77-17029
- ORNER, J. W.**
Method and apparatus for detecting gross leaks Patent
[NASA-CASE-ERC-10033] c 14 N71-26672
- OROURKE, T. E., JR.**
Sealing member and combination thereof and method of producing said sealing member Patent
[NASA-CASE-XMS-01625] c 15 N71-23022
- ORTH, N. W.**
Process for producing dispersion strengthened nickel with aluminum Patent
[NASA-CASE-XLE-06969] c 17 N71-24142
Method for alleviating thermal stress damage in laminates
[NASA-CASE-LEW-12493-1] c 24 N81-17170
Method for alleviating thermal stress damage in laminates
[NASA-CASE-LEW-12493-2] c 24 N81-26179
- OSHER, J. V.**
Miniature muscle displacement transducer
[NASA-CASE-NPO-13519-1] c 33 N76-19338
- OSMUNDSON, J.**
Dually mode locked Nd YAG laser
[NASA-CASE-GSC-11746-1] c 36 N75-19654
- OSTROFF, A. J.**
Star image motion compensator
[NASA-CASE-LAR-10523-1] c 14 N72-22444
- OSTROFF, J.**
Rotary actuator
[NASA-CASE-NPO-10244] c 15 N72-26371
- OSULLIVAN, W. J., JR.**
Method and apparatus for shock protection Patent
[NASA-CASE-XLA-00482] c 15 N70-36409
Self supporting space vehicle Patent
[NASA-CASE-XLA-00117] c 31 N71-17680
Thermal control wall panel Patent
[NASA-CASE-XLA-01243] c 33 N71-22792
Thermal control panel Patent
[NASA-CASE-XLA-07728] c 33 N71-22890
- OTHMAN, T. E.**
Safety-type locking pin
[NASA-CASE-MFS-18495] c 15 N72-11385
- OTOSHI, T. Y.**
Rotary vane attenuator when rotor has orthogonally disposed resistive and dielectric cards
[NASA-CASE-NPO-11418-1] c 14 N73-13420
- OTTO, G. H.**
Synthesis of superconducting compounds by explosive compaction of powders
[NASA-CASE-MFS-20861-1] c 18 N73-32437
- OUTLAW, R. A.**
In situ transfer standard for ultrahigh vacuum gage calibration
[NASA-CASE-LAR-10862-1] c 35 N74-15092
- OWEN, R. B.**
Collimated beam manifold with the number of output beams variable at a given output angle
[NASA-CASE-MFS-25312-1] c 74 N83-17305
Dual laser optical system and method for studying fluid flow
[NASA-CASE-MFS-25315-1] c 36 N83-29680
- OWENS, L. J.**
Magnetic electrical connectors for biomedical percutaneous implants
[NASA-CASE-KSC-11030-1] c 52 N77-25772
Rotational joint assembly for the prosthetic leg
[NASA-CASE-KSC-11004-1] c 54 N77-30749
Ocean thermal plant
[NASA-CASE-KSC-11034-1] c 44 N78-32542
Illumination control apparatus for compensating solar light
[NASA-CASE-KSC-11010-1] c 74 N79-12890
Prosthesis coupling
[NASA-CASE-KSC-11069-1] c 52 N79-26772
- PACALA, T. J.**
Charge transfer reaction laser with preionization means
[NASA-CASE-NPO-13945-1] c 36 N78-27402

P

- Pulse switching for high energy lasers
[NASA-CASE-NPO-14556-1] c 33 N82-24418
- PACE, G. D., JR.**
Sun direction detection system
[NASA-CASE-NPO-13722-1] c 74 N77-22951
- PACIOREK, K. J. L.**
Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MSC-14903-1] c 27 N78-32256
Compound oxidized styrylphosphine
[NASA-CASE-MSC-14903-2] c 27 N80-10358
Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MSC-14903-3] c 27 N80-24438
Preparation of perfluorinated imidoylamidoxams
[NASA-CASE-ARC-11267-1] c 23 N80-26386
Preparation of perfluorinated 1,2,4-oxadiazoles
[NASA-CASE-ARC-11267-2] c 23 N82-28353
- PACKARD, R. D.**
Semiconductor surface protection material
[NASA-CASE-ERC-10339-1] c 18 N73-30532
- PACKER, P. N.**
Adjustable securing base
[NASA-CASE-MSC-19668-1] c 37 N78-17383
Variable contour securing system
[NASA-CASE-MSC-16270-1] c 37 N78-27423
- PADILLA, D.**
Method and apparatus for fluffing, separating, and cleaning fibers
[NASA-CASE-LAR-11224-1] c 37 N76-18456
- PAGE, N. A.**
Optical system
[NASA-CASE-NPO-15801-1] c 74 N83-25541
- PAGEL, L. L.**
Cooling system for high speed aircraft
[NASA-CASE-LAR-12406-1] c 05 N81-26114
- PAIK, S. F.**
Parametric microwave noise generator Patent
[NASA-CASE-XER-11019] c 09 N71-23598
- PAIK, W. W.**
Apparatus for recovering matter adhered to a host surface
[NASA-CASE-NPO-11213] c 15 N73-20514
- PAINTER, J. H.**
Anti-multipath digital signal detector
[NASA-CASE-LAR-11827-1] c 32 N77-10392
- PALANDATI, C. F., JR.**
Prevention of pressure build-up in electrochemical cells Patent
[NASA-CASE-XGS-01419] c 03 N70-41884
- PALMER, E. I.**
Apparatus for testing a pressure responsive instrument Patent
[NASA-CASE-XMF-04134] c 14 N71-23755
- PALSINGH, S.**
Anti-gravity device
[NASA-CASE-MFS-22758-1] c 70 N75-26789
- PAN, F. M.**
A dc-coupled noninverting one-shot Patent
[NASA-CASE-XNP-09450] c 10 N71-18723
- PAOLINI, J. J.**
Full flow with shut off and selective drainage control valve Patent application
[NASA-CASE-ERC-10208] c 15 N70-10887
- PAPELL, S. S.**
Low viscosity magnetic fluid obtained by the colloidal suspension of magnetic particles Patent
[NASA-CASE-XLE-01512] c 12 N70-40124
Liquid storage tank venting device for zero gravity environment Patent
[NASA-CASE-XLE-01448] c 15 N70-41646
Capacitor and method of making same Patent
[NASA-CASE-LEW-10364-1] c 09 N71-13522
Fluid dispensing apparatus and method Patent
[NASA-CASE-XLE-01182] c 27 N71-15635
Curved film cooling admission tube
[NASA-CASE-LEW-13174-1] c 34 N83-27144
- PAQUETTE, E. G.**
Sonic levitation apparatus
[NASA-CASE-MFS-25828-1] c 71 N83-26646
- PARDOE, C. T.**
Telemetry synchronizer
[NASA-CASE-GSC-11868-1] c 17 N76-22245
- PARESC, F.**
Resistive anode image converter
[NASA-CASE-HQN-10876-1] c 33 N76-27473
- PARK, J. J.**
Method of making tubes Patent
[NASA-CASE-XGS-04175] c 15 N71-18579
- PARKER, D. L.**
Apparatus for use in examining the lattice of a semiconductor wafer by X-ray diffraction
[NASA-CASE-MFS-23315-1] c 76 N78-24950
- PARKER, G. L.**
Elimination of frequency shift in a multiplex communication system Patent
[NASA-CASE-XNP-01306] c 07 N71-20814

- High speed phase detector Patent
[NASA-CASE-XNP-01306-2] c 09 N71-24596
- Optical binocular scanning apparatus
[NASA-CASE-NPO-11002] c 14 N72-22441
- Hydraulic drain means for servo-systems
[NASA-CASE-NPO-10316-1] c 37 N77-22479
- PARKER, J. A.**
Intumescent paints Patent
[NASA-CASE-ARC-10099-1] c 18 N71-15469
Modified polyurethane foams for fuel-fire Patent
[NASA-CASE-ARC-10098-1] c 06 N71-24739
Flexible fire retardant foam
[NASA-CASE-ARC-10180-1] c 28 N72-20767
Intumescent composition, foamed product prepared therewith, and process for making same
[NASA-CASE-ARC-10304-1] c 18 N73-26572
Flexible fire retardant polyisocyanate modified neoprene foam
[NASA-CASE-ARC-10180-1] c 27 N74-12814
Chromato-fluorographic drug detector
[NASA-CASE-ARC-10633-1] c 25 N74-26947
Intumescent composition, foamed product prepared therewith and process for making same
[NASA-CASE-ARC-10304-2] c 27 N74-27037
Fiber modified polyurethane foam for ballistic protection
[NASA-CASE-ARC-10714-1] c 27 N76-15310
Transparent fire resistant polymers structures
[NASA-CASE-ARC-10813-1] c 27 N76-16230
Honeycomb-laminate composite structure
[NASA-CASE-ARC-10913-1] c 24 N78-15180
Low density bismaleimide-carbon microballoon composites
[NASA-CASE-ARC-11040-2] c 24 N78-27184
Low density bismaleimide-carbon microballoon composites
[NASA-CASE-ARC-11040-1] c 24 N79-16915
Phosphorus-containing bisimide resins
[NASA-CASE-ARC-11321-1] c 27 N81-27272
Metal phthalocyanine polymers
[NASA-CASE-ARC-11405-1] c 27 N83-12239
Phthalocyanine polymers
[NASA-CASE-ARC-11413-1] c 27 N83-14275
Elastomer-modified phosphorus-containing imide resins
[NASA-CASE-ARC-11400-1] c 27 N83-14276
Fire blocking systems for aircraft seat cushions
[NASA-CASE-ARC-11423-1] c 03 N83-17525
Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-1] c 27 N83-31854
- PARKER, L. C.**
Safe-arm initiator Patent
[NASA-CASE-LAR-10372] c 09 N71-18599
Inflight IFR procedures simulator
[NASA-CASE-KSC-11218-1] c 09 N82-29331
- PARKER, O. J.**
Despin weight release Patent
[NASA-CASE-XLA-00679] c 15 N70-38601
Spacecraft separation system for spinning vehicles and/or payloads Patent
[NASA-CASE-XLA-02132] c 31 N71-10582
Flared tube strainer
[NASA-CASE-XLA-05056] c 15 N72-11389
- PARKER, R. J.**
Method of improving the reliability of a rolling element system Patent
[NASA-CASE-XLE-02999] c 15 N71-16052
Low mass rolling element for bearings
[NASA-CASE-LEW-11087-1] c 15 N73-30458
Method of making rolling element bearings
[NASA-CASE-LEW-11087-2] c 37 N74-15128
Hollow rolling element bearings
[NASA-CASE-LEW-11087-3] c 37 N74-21064
- PARMELEY, R. T.**
Aerodynamic protection for space flight vehicles Patent
[NASA-CASE-XNP-02507] c 31 N71-17679
- PARR, R. A.**
Preparation of monotectic alloys having a controlled microstructure by directional solidification under dopant-induced interface breakdown
[NASA-CASE-MFS-23816-1] c 26 N80-23419
- PARRA, G. T.**
Angle detector
[NASA-CASE-ARC-11036-1] c 35 N78-32395
Electronic scanning pressure measuring system and transducer package
[NASA-CASE-ARC-11361-1] c 35 N82-26635
- PARSONS, W. E.**
Electronic checkout system for space vehicles Patent
[NASA-CASE-XKS-08012-2] c 31 N71-15566
Percutaneous connector device
[NASA-CASE-KSC-10849-1] c 52 N77-14738
- PARTHASARATHY, S. P.**
System and method for obtaining wide screen Schlieren photographs
[NASA-CASE-NPO-14174-1] c 74 N79-20856
System for detecting substructure microfractures and method therefore
[NASA-CASE-NPO-14192-1] c 39 N80-10507
System for plotting subsoil structure and method therefor
[NASA-CASE-NPO-14191-1] c 31 N80-32584
Carbon granule probe microphone for leak detection
[NASA-CASE-NPO-16027-1] c 33 N83-29595
- PARTSCH, V. M.**
Purge device for thrust engines Patent
[NASA-CASE-XMS-04826] c 28 N71-28849
- PASCIUTTI, E. R.**
Protection for energy conversion systems
[NASA-CASE-XGS-04808] c 03 N69-25146
Inverter with means for base current shaping for sweeping charge cameras from base region Patent
[NASA-CASE-XGS-06226] c 10 N71-25950
A dc to ac to dc converter having transistor synchronous rectifiers
[NASA-CASE-GSC-11126-1] c 09 N72-25253
- PASIERB, E. F.**
GaAs solar detector using manganese as a doping agent Patent
[NASA-CASE-XNP-01328] c 26 N71-18084
- PASSMAN, H. M.**
Heat conductive resiliently compressible structure for space electronics package modules Patent
[NASA-CASE-MSC-12389] c 33 N71-29052
- PATE, W. E.**
Color perception tester
[NASA-CASE-KSC-10278] c 05 N72-16015
- PATER, R. H.**
Improved high temperature resistant polyimides
[NASA-CASE-LEW-13864-1] c 27 N83-17715
- PATON, W. J.**
Flammability test chamber Patent
[NASA-CASE-KSC-10126] c 11 N71-24985
- PATTEE, H. E.**
Attaching of strain gages to substrates
[NASA-CASE-FRC-10093-1] c 35 N80-20560
- PATTEN, C. W.**
Method and apparatus for attaching physiological monitoring electrodes Patent
[NASA-CASE-XFR-07658-1] c 05 N71-26293
- PATTERSON, J. C., JR.**
Wingtip vortex dissipator for aircraft
[NASA-CASE-LAR-11645-1] c 02 N77-10001
Wingtip vortex turbine
[NASA-CASE-LAR-12544-1] c 07 N81-27096
- PATTERSON, W. J.**
Synthesis of siloxane-containing epoxy polymers Patent
[NASA-CASE-MFS-13994-1] c 06 N71-11240
Siloxane containing epoxide compounds
[NASA-CASE-MFS-13994-2] c 06 N72-25148
Silphenylenesiloxane polymers having in-chain perfluoroalkyl groups
[NASA-CASE-MFS-20979] c 06 N72-25151
Polymerizable disilanolis having in-chain perfluoroalkyl groups
[NASA-CASE-MFS-20979-2] c 06 N73-32030
- PAULI, F. A.**
Altitude controls for VTOL aircraft Patent
[NASA-CASE-XAC-08972] c 02 N71-20570
- PAULKOVICH, J.**
Apparatus for measuring current flow Patent
[NASA-CASE-XGS-02439] c 14 N71-19431
Coulometer and third electrode battery charging circuit Patent
[NASA-CASE-GSC-10487-1] c 03 N71-24719
Buck/boost regulator
[NASA-CASE-GSC-12360-1] c 33 N81-19392
Non-contacting power transfer device
[NASA-CASE-GSC-12595-1] c 33 N82-24422
- PAULL, S.**
Variable frequency magnetic multivibrator Patent
[NASA-CASE-XGS-00458] c 09 N70-38604
Variable frequency magnetic multivibrator Patent
[NASA-CASE-XGS-00131] c 09 N70-38995
- PAVLICS, F.**
Resilient wheel Patent
[NASA-CASE-MFS-13929] c 15 N71-27091
- PAWLIK, E. V.**
Plasma device feed system Patent
[NASA-CASE-XLE-02902] c 25 N71-21694
Ion thruster with a combination keeper electrode and electron baffle
[NASA-CASE-NPO-11880] c 28 N73-24783
Sandblasting nozzle
[NASA-CASE-NPO-13823-1] c 37 N81-25371
- PEARSON, A. O.**
Measurement of gas production of microorganisms
[NASA-CASE-LAR-11326-1] c 35 N75-33368
- PEASE, R. E.**
Longwall shearer tracking system
[NASA-CASE-MFS-25717-1] c 43 N83-14607
- PECHMAN, A.**
Two-component ceramic coating for silica insulation
[NASA-CASE-MSC-14270-1] c 27 N76-22377
Three-component ceramic coating for silica insulation
[NASA-CASE-MSC-14270-2] c 27 N76-23426
- PECK, S. R.**
Voltage feed through apparatus having reduced partial discharge
[NASA-CASE-GSC-12347-1] c 33 N80-18286
- PECKHAM, V. A., JR.**
Sample collecting impact bit Patent
[NASA-CASE-XNP-01412] c 15 N70-42034
- PEDERSON, C. W.**
Low distortion automatic phase control circuit
[NASA-CASE-MFS-21671-1] c 33 N74-22885
- PEELGREN, M. L.**
Shell side liquid metal boiler
[NASA-CASE-NPO-10831] c 33 N72-20915
- PEER, C. R.**
Connector strips-positive, negative and T tabs
[NASA-CASE-XGS-01395] c 03 N69-21539
- PEGDEN, C. D.**
Multiple in-line docking capability for rotating space stations
[NASA-CASE-MFS-20855-1] c 15 N77-10112
- PELCHAT, G. M.**
Adaptive polarization separation
[NASA-CASE-LAR-12196-1] c 33 N81-26358
- PELLERIN, C. J., JR.**
Two axis fluxgate magnetometer Patent
[NASA-CASE-GSC-10441-1] c 14 N71-27325
- PENN, B. G.**
Process for producing tris (N-methylamino) methylsilane
[NASA-CASE-MFS-25721-1] c 25 N83-25811
- PENQUE, N. J.**
Varactor high level mixer
[NASA-CASE-XGS-02171] c 09 N69-24324
- PEOPLES, J. A.**
Multway vortex valve system Patent
[NASA-CASE-XMF-04709] c 15 N71-15609
- PERKINS, G. S.**
Detenting servomotor Patent
[NASA-CASE-XNP-06936] c 15 N71-24695
Ball screw linear actuator
[NASA-CASE-NPO-11222] c 15 N72-25456
Sun tracking solar energy collector
[NASA-CASE-NPO-13921-1] c 44 N79-14526
Sandblasting nozzle
[NASA-CASE-NPO-13823-1] c 37 N81-25371
Low noise lead screw positioner
[NASA-CASE-NPO-15617-1] c 35 N82-33681
- PERKINS, H.**
System for imposing directional stability on a rocket-propelled vehicle
[NASA-CASE-MFS-21311-1] c 20 N76-21275
- PERKINS, P. J., JR.**
Cryogenic insulation system Patent
[NASA-CASE-XLE-04222] c 23 N71-22881
Insulation system Patent
[NASA-CASE-XLE-02647] c 18 N71-23658
- PERLMAN, M.**
Linear three-tap feedback shift register Patent
[NASA-CASE-NPO-10351] c 08 N71-12503
Binary sequence detector Patent
[NASA-CASE-XNP-05415] c 08 N71-12505
Digital function generator
[NASA-CASE-NPO-11104] c 08 N72-22165
Feedback shift register with states decomposed into cycles of equal length
[NASA-CASE-NPO-11082] c 08 N72-22167
Pseudonoise sequence generators with three tap linear feedback shift registers
[NASA-CASE-NPO-11406] c 08 N73-12175
A m-ary linear feedback shift register with binary logic
[NASA-CASE-NPO-11868] c 10 N73-20254
System for generating timing and control signals
[NASA-CASE-NPO-13125-1] c 33 N75-19519
Nonlinear nonsingular feedback shift registers
[NASA-CASE-NPO-13451-1] c 33 N76-14373
- PERLMUTTER, M.**
Device for directionally controlling electromagnetic radiation Patent
[NASA-CASE-XLE-01718] c 09 N70-40234
- PERRY, C. L.**
Metabolic analyzer
[NASA-CASE-MFS-21415-1] c 52 N74-20728
- PERRY, G. D.**
Zero gravity apparatus Patent
[NASA-CASE-XMF-06515] c 14 N71-23227

- PERRY, J. C.**
System for a displaying at a remote station data generated at a central station and for powering the remote station from the central station
[NASA-CASE-GSC-12411-1] c 33 N81-14221
- PERRY, W. E.**
Optical conversion method
[NASA-CASE-MSC-12618-1] c 74 N78-17865
- PERSON, J. K.**
Bonding machine for forming a solar array strip
[NASA-CASE-NPO-13652-2] c 44 N79-24431
- PESEK, C. T.**
Clamping assembly for inertial components Patent
[NASA-CASE-XMS-02184] c 15 N71-20813
Circuit board package with wedge shaped covers
[NASA-CASE-MFS-21919-1] c 10 N73-25243
- PESMAN, G. J.**
Shock absorbing support and restraint means Patent
[NASA-CASE-XMS-01240] c 05 N70-35152
- PETERS, D. A.**
Hingeless helicopter rotor with improved stability
[NASA-CASE-ARC-10807-1] c 05 N77-17029
- PETERS, H. E.**
Atomic standard with variable storage volume
[NASA-CASE-GSC-11895-1] c 35 N76-15436
- PETERS, L. JR.**
Horn antenna having V-shaped corrugated slots
[NASA-CASE-LAR-11112-1] c 32 N76-15330
- PETERS, P. N.**
Germanium coated microbridge and method
[NASA-CASE-MFS-23274-1] c 33 N78-13320
- PETERS, R. L.**
CRT blanking and brightness control circuit
[NASA-CASE-KSC-10647-1] c 10 N72-31273
- PETERS, R. W.**
Two component bearing Patent
[NASA-CASE-XLA-00013] c 15 N71-29136
- PETERSEN, G. R.**
Thermochemical generation of hydrogen
[NASA-CASE-NPO-15015-1] c 25 N82-28368
Enhancement of in vitro guanylate propagation
[NASA-CASE-NPO-15213-1] c 51 N83-17045
- PETERSEN, H. L.**
Four phase logic systems
[NASA-CASE-MSC-14240-1] c 33 N75-14957
- PETERSEN, H. W.**
Adjustable mount for a trihedral mirror Patent
[NASA-CASE-XNP-08907] c 23 N71-29123
- PETERSON, E. W.**
Canopus detector including automotive gain control of photomultiplier tube Patent
[NASA-CASE-NPO-03914] c 21 N71-10771
- PETERSON, N. C.**
Ultraviolet atomic emission detector
[NASA-CASE-HQN-10756-1] c 14 N72-25428
- PETERSON, N. E., JR.**
Shrink-fit gas valve Patent
[NASA-CASE-XGS-00587] c 15 N70-35087
- PETERSON, P. D.**
Portable environmental control system Patent
[NASA-CASE-XMS-09632-1] c 05 N71-11203
- PETERSON, S. A.**
Reusable captive blind fastener
[NASA-CASE-MSC-18742-1] c 37 N82-26673
- PETERSON, S. T.**
Meteoroid detector
[NASA-CASE-LAR-10483-1] c 14 N73-32327
- PETERSON, V. S.**
Flow angle sensor and read out system Patent
[NASA-CASE-XLE-04503] c 14 N71-24884
Solid state remote circuit selector switch
[NASA-CASE-LEW-10387] c 09 N72-22201
Low level signal limiter
[NASA-CASE-XLE-04791] c 32 N74-22096
Fine particulate capture device
[NASA-CASE-LEW-11583-1] c 35 N79-17192
- PETERSON, W. A.**
Folded traveling wave maser structure Patent
[NASA-CASE-XNP-05219] c 16 N71-15550
Superconducting magnet Patent
[NASA-CASE-XNP-06503] c 23 N71-29049
- PETERSON, W. D.**
Automatic frequency discriminators and control for a phase-lock loop providing frequency preset capabilities Patent
[NASA-CASE-XMF-08665] c 10 N71-19467
- PETERSEN, H. E.**
Medical subject monitoring systems
[NASA-CASE-MSC-14180-1] c 52 N76-14757
- PETRASEK, D. W.**
Reinforced metallic composites Patent
[NASA-CASE-XLE-02428] c 17 N70-33288
Method of making fiber reinforced metallic composites Patent
[NASA-CASE-XLE-00231] c 17 N70-38198
- Reinforced metallic composites Patent
[NASA-CASE-XLE-00228] c 17 N70-38490
Method of making fiber composites
[NASA-CASE-LEW-10424-2-2] c 18 N72-25539
- PETRICK, E. N.**
Variable thrust ion engine utilizing thermally decomposable solid fuel Patent
[NASA-CASE-XMF-00923] c 28 N70-36802
- PETRICK, S. W.**
Radiative cooler
[NASA-CASE-NPO-15465-1] c 18 N82-10106
- PETTY, S. M.**
Maser amplifier slow wave structure
[NASA-CASE-NPO-15211-1] c 36 N81-24425
- PETYNIA, W. W.**
Space and atmospheric reentry vehicle Patent
[NASA-CASE-XGS-00260] c 31 N70-37924
Space vehicle system
[NASA-CASE-MSC-12561-1] c 18 N76-17185
- PEYTON, J.**
Wideband heterodyne receiver for laser communication system
[NASA-CASE-GSC-12053-1] c 32 N77-28346
- PEZDIRTZ, G. F.**
Method and apparatus for shock protection Patent
[NASA-CASE-XLA-00482] c 15 N70-36409
Imidazopyrrolone/imide copolymers Patent
[NASA-CASE-XLA-08802] c 06 N71-11238
Dosimeter for high levels of absorbed radiation
[NASA-CASE-XLA-03645] c 14 N71-20430
Solid state thermal control polymer coating Patent
[NASA-CASE-XLA-01745] c 33 N71-28903
- PFÄFF, H.**
Swivel support for gas bearings Patent
[NASA-CASE-XMF-07808] c 15 N71-23812
- PIFFNER, H. J.**
Bootstrap unloader Patent
[NASA-CASE-XNP-09768] c 09 N71-12516
- PFLEGER, R. O.**
Spherical shield Patent
[NASA-CASE-XNP-01855] c 15 N71-28937
- PFLUGER, H. L.**
Process of treating cellulosic membrane and alkaline with membrane separator
[NASA-CASE-GSC-10019-1] c 44 N82-24641
Separator for alkaline batteries and method of making same
[NASA-CASE-GSC-10350-1] c 44 N82-24642
Separator for alkaline electric cells and method of making
[NASA-CASE-GSC-10017-1] c 44 N82-24643
Separator for alkaline electric batteries and method of making
[NASA-CASE-GSC-10018-1] c 44 N82-24644
Alkaline electrochemical cells and method of making
[NASA-CASE-GSC-10349-1] c 44 N82-24645
Aqueous alkali metal hydroxide insoluble cellulose ether membrane
[NASA-CASE-XGS-05584-1] c 25 N82-29370
- PHILIPP, W. H.**
Selective nickel deposition
[NASA-CASE-LEW-10965-1] c 15 N72-25452
Production of pure metals
[NASA-CASE-LEW-10906-1] c 25 N74-30502
Process for making anhydrous metal halides
[NASA-CASE-LEW-11860-1] c 37 N78-18458
In situ self cross-linking of polyvinyl alcohol battery separators
[NASA-CASE-LEW-12972-1] c 44 N79-25481
In-situ cross linking of polyvinyl alcohol
[NASA-CASE-LEW-13135-2] c 27 N81-24257
Cross-linked polyvinyl alcohol and method of making same
[NASA-CASE-LEW-13101-2] c 23 N81-29160
Alkaline battery containing a separator of a cross-linked copolymer of vinyl alcohol and unsaturated carboxylic acid
[NASA-CASE-LEW-13102-1] c 44 N81-29531
- PHILIPS, A. R.**
Technique of duplicating fragile core
[NASA-CASE-XLA-07829] c 15 N72-16329
- PHILLIPP, W. H.**
Method of cross-linking polyvinyl alcohol and other water soluble resins
[NASA-CASE-LEW-13103-1] c 27 N80-32516
- PHILLIPS, B. L. S.**
File card marker Patent
[NASA-CASE-XLA-02705] c 08 N71-15908
- PHILLIPS, E. C., JR.**
Method of forming a wick for a heat pipe
[NASA-CASE-NPO-13391-1] c 34 N76-27515
- PHILLIPS, W. H.**
Variable-geometry winged reentry vehicle Patent
[NASA-CASE-XLA-00241] c 31 N70-37988
- Station keeping of a gravity gradient stabilized satellite Patent
[NASA-CASE-XLA-03132] c 31 N71-22969
Rim inertial measuring system
[NASA-CASE-LAR-12052-1] c 18 N81-29152
Solar powered aircraft
[NASA-CASE-LAR-12615-1] c 05 N81-32138
- PHILLIPS, W. M.**
Shell side liquid metal boiler
[NASA-CASE-NPO-10831] c 33 N72-20915
Cermets composition and method of fabrication
[NASA-CASE-NPO-13120-1] c 27 N76-15311
High temperature oxidation resistant cermet compositions
[NASA-CASE-NPO-13666-1] c 27 N77-13217
Nuclear thermionic converter
[NASA-CASE-NPO-13121-1] c 73 N77-18891
High temperature resistant cermet and ceramic compositions
[NASA-CASE-NPO-13690-1] c 27 N78-19302
High temperature resistant cermet and ceramic compositions
[NASA-CASE-NPO-13690-2] c 27 N79-14213
Sandblasting nozzle
[NASA-CASE-NPO-13823-1] c 37 N81-25371
- PHILIEGER, G. A., JR.**
Separation simulator Patent
[NASA-CASE-XKS-04631] c 10 N71-23663
Internal work light Patent
[NASA-CASE-XKS-05932] c 09 N71-26787
Universal environment package with sectional component housing
[NASA-CASE-KSC-10031] c 15 N72-22486
Pressurized lighting system
[NASA-CASE-KSC-10644] c 09 N72-27227
- PIASECKI, L. R.**
Apparatus and method for control of a solid fueled rocket vehicle Patent
[NASA-CASE-XNP-00217] c 28 N70-38181
- PICCILOLO, G. L.**
Flavin coenzyme assay
[NASA-CASE-GSC-10565-1] c 06 N72-25149
Method of detecting and counting bacteria in body fluids
[NASA-CASE-GSC-11092-2] c 04 N73-27052
Automatic instrument for chemical processing to detect microorganism in biological samples by measuring light reactions
[NASA-CASE-GSC-11169-2] c 05 N73-32011
Method of detecting and counting bacteria
[NASA-CASE-GSC-11917-2] c 51 N76-29891
Application of luciferase assay for ATP to antimicrobial drug susceptibility
[NASA-CASE-GSC-12039-1] c 51 N77-22794
Determination of antimicrobial susceptibilities on infected unres without isolation
[NASA-CASE-GSC-12046-1] c 52 N79-14750
Rapid, quantitative determination of bacteria in water
[NASA-CASE-GSC-12158-1] c 51 N83-27569
- PIERCE, R. M.**
Propellant grain for rocket motors Patent
[NASA-CASE-XGS-03556] c 27 N70-35534
- PINCKNEY, K. R.**
System for monitoring the presence of neutrals in a stream of ions Patent
[NASA-CASE-XNP-02592] c 24 N71-20518
- PINCKNEY, S. Z.**
Static pressure probe
[NASA-CASE-LAR-11552-1] c 35 N78-14429
- PINCUS, B. R.**
Scanning aspect sensor employing an apertured disc and a commutator
[NASA-CASE-XGS-08266] c 14 N69-27432
- PINKEL, I. I.**
Reduced gravity liquid configuration simulator
[NASA-CASE-XLE-02624] c 12 N69-39988
- PINSON, G. T.**
Guide for a typewriter
[NASA-CASE-MFS-15218-1] c 37 N77-19457
- PIPPEN, D. L.**
High voltage pulse generator Patent
[NASA-CASE-MSC-12178-1] c 09 N71-13518
- PITELLI, E. E.**
Transverse piezoresistance and pinch effect electromechanical transducers Patent
[NASA-CASE-ERC-10088] c 26 N71-25490
- PITTS, D. E.**
Method for manufacturing mirrors in zero gravity environment
[NASA-CASE-MSC-12611-1] c 12 N76-15189
- PITTS, F. L.**
Electronic strain-level counter
[NASA-CASE-LAR-10756-1] c 32 N73-26910
- PITTS, W. C.**
Two force component measuring device Patent
[NASA-CASE-XAC-04886-1] c 14 N71-20439

- PIVROTTO, T. J.**
Inert gas metallic vapor laser
[NASA-CASE-NPO-13449-1] c 36 N75-32441
High power metallic halide laser
[NASA-CASE-NPO-14782-1] c 36 N82-28616
Method and apparatus for convection control of metallic halide vapor density in a metallic halide laser
[NASA-CASE-NPO-15021-1] c 36 N83-10417
- PIZZECK, D. E.**
Connector
[NASA-CASE-LAR-11709-1] c 37 N76-27567
- PLAKAS, C. J.**
Firefly pump-metering system
[NASA-CASE-GSC-10218-1] c 15 N72-21465
- PLAMONDON, J. A., JR.**
Conically shaped cavity radiometer with a dual purpose cone winding Patent
[NASA-CASE-XNP-09701] c 14 N71-26475
- PLAMOWSKI, S. C.**
Traversing probe Patent
[NASA-CASE-XFR-02007] c 12 N71-24692
- PLATT, P. K.**
Cryogenic connector for vacuum use Patent
[NASA-CASE-XGS-02441] c 15 N70-41629
- PLAZEK, D. J.**
Instrument for measuring torsional creep and recovery Patent
[NASA-CASE-XLE-01481] c 14 N71-10781
- PLEASANTS, J. E.**
Inflatable support structure Patent
[NASA-CASE-XLA-01731] c 32 N71-21045
Vortex breach high pressure gas generator
[NASA-CASE-LAR-10549-1] c 31 N73-13898
- PLITT, K. F.**
Spacecraft battery seals
[NASA-CASE-XGS-03864] c 15 N69-24320
- PODGORSKI, T. J.**
Method of forming shrink-fit compression seal
[NASA-CASE-LAR-11563-1] c 37 N77-23482
- POESCHEL, R. L.**
Ion thruster
[NASA-CASE-LEW-10770-1] c 28 N72-22770
- POGORZELSKI, F. S.**
Apparatus for welding sheet material
[NASA-CASE-XMS-01330] c 37 N75-27376
- POHL, H. O.**
Two-step rocket engine bipropellant valve Patent
[NASA-CASE-XMS-04890-1] c 15 N70-22192
- POHL, J. G.**
Three-dimensional tracking solar energy concentrator and method for making same
[NASA-CASE-NPO-13736-1] c 44 N77-32583
Portable linear-focused solar thermal energy collecting system
[NASA-CASE-NPO-13734-1] c 44 N78-10554
- POHM, A. V.**
Magnetometer with a miniature transducer and automatic scanning
[NASA-CASE-LAR-11617-2] c 35 N78-32397
- POLHAMUS, E. C.**
Variable sweep wing configuration Patent
[NASA-CASE-XLA-00230] c 02 N70-33255
Variable sweep aircraft wing Patent
[NASA-CASE-XLA-00350] c 02 N70-38011
Variable sweep aircraft Patent
[NASA-CASE-XLA-03659] c 02 N71-11041
- POLHEMUS, J. T.**
Condition sensor system and method
[NASA-CASE-MSC-14805-1] c 54 N78-32720
Pulse transducer with artifact signal attenuator
[NASA-CASE-FRC-11012-1] c 52 N80-23969
- POLLACK, I.**
Etching of aluminum for bonding Patent
[NASA-CASE-XMF-02303] c 17 N71-23828
Dye penetrant for surfaces subsequently contacted by liquid oxygen Patent
[NASA-CASE-XMF-02221] c 18 N71-27170
- POLLACK, J. L.**
High powered arc electrodes
[NASA-CASE-LEW-11162-1] c 33 N74-12913
- POLLARD, R. A.**
Rescue litter flotation assembly Patent
[NASA-CASE-XMS-04170] c 05 N71-22748
- POLLOCK, G. E.**
Gas chromatograph injection system
[NASA-CASE-ARC-10344-2] c 35 N75-26334
- POLSTORFF, W. K.**
Simulator method and apparatus for practicing the mating of an observer-controlled object with a target
[NASA-CASE-MFS-23052-2] c 74 N79-13855
- POMPLUN, A. R.**
Sonic levitation apparatus
[NASA-CASE-MFS-25828-1] c 71 N83-26646
- POOL, S. L.**
Medical subject monitoring systems
[NASA-CASE-MSC-14180-1] c 52 N76-14757
- POOLE, B. D., JR.**
Miniature spectrally selective dosimeter
[NASA-CASE-LAR-12469-1] c 35 N83-21311
- POORMAN, R. M.**
Exothermic furnace module
[NASA-CASE-MFS-25707-1] c 35 N82-26631
- POPE, A. M.**
Zero gravity separator Patent
[NASA-CASE-XLE-00586] c 15 N71-15968
- POPE, J. M.**
Miniature ingestible telemeter devices to measure deep-body temperature
[NASA-CASE-ARC-10583-1] c 52 N76-29894
- POPE, W. L.**
Low gravity phase separator
[NASA-CASE-MSC-14773-1] c 35 N78-12390
- POPICK, H.**
Laser apparatus for removing material from rotating objects Patent
[NASA-CASE-MFS-11279] c 16 N71-20400
- POPINSKI, Z.**
Automotive absorption air conditioner utilizing solar and motor waste heat
[NASA-CASE-NPO-15183-1] c 44 N82-26776
- POPMA, D. C.**
Recovery of potable water from human wastes in below-G conditions Patent
[NASA-CASE-XLA-03213] c 05 N71-11207
- PORADEK, J. C.**
Process for conditioning tanned sharkskin and articles made therefrom Patent
[NASA-CASE-XMS-09691-1] c 18 N71-15545
Simultaneous treatment of SO₂ containing stack gases and waste water
[NASA-CASE-MSC-16258-1] c 45 N79-12584
- PORTER, A. C.**
Insulation bonding test system
[NASA-CASE-MFS-25862-1] c 27 N83-19903
- PORTER, E. E.**
Spray coating apparatus having a rotatable workpiece holder
[NASA-CASE-ARC-11110-1] c 37 N82-24492
- PORTER, R. N.**
Liquid rocket system Patent
[NASA-CASE-XNP-00610] c 28 N70-36910
Zero gravity starting means for liquid propellant motors Patent
[NASA-CASE-XNP-01390] c 28 N70-41275
Force-balanced, throttle valve Patent
[NASA-CASE-NPO-10808] c 15 N71-27432
- PORTER, W. A.**
Apparatus for use in examining the lattice of a semiconductor wafer by X-ray diffraction
[NASA-CASE-MFS-23315-1] c 76 N78-24950
- PORTNOY, W. A.**
Insulated electrocardiographic electrodes
[NASA-CASE-MSC-14339-1] c 05 N75-24716
- PORTWOOD, J. M.**
Insulation bonding test system
[NASA-CASE-MFS-25862-1] c 27 N83-19903
- POSCHENRIEDER, W. P.**
Analytical photoionization mass spectrometer with an argon gas filter between the light source and monochromator Patent
[NASA-CASE-LAR-10180-1] c 06 N71-13461
- POSEY, D. L.**
Static pressure orifice system testing method and apparatus
[NASA-CASE-LAR-12269-1] c 35 N80-18358
- POSHKUS, A. C.**
An improved synthesis of 2,4,8,10-tetroxaspiro (5 5) undecane
[NASA-CASE-ARC-11243-2] c 23 N80-31472
Synthesis of polyformals
[NASA-CASE-ARC-11244-1] c 23 N82-16174
- POSNER, E. C.**
Phase-locked loop with sideband rejecting properties Patent
[NASA-CASE-XNP-02723] c 07 N70-41680
Data compressor Patent
[NASA-CASE-XNP-04067] c 08 N71-22707
Apparatus for deming synchronizing pulses from pulses in a single channel PCM communications system
[NASA-CASE-NPO-11302-1] c 07 N73-13149
Method and apparatus for a single channel digital communications system
[NASA-CASE-NPO-11302-2] c 32 N74-10132
- POST, R. E.**
Light weight nickel battery plaque
[NASA-CASE-LEW-13349-1] c 44 N82-22673
- POSTMA, R. W.**
Thrust measurement
[NASA-CASE-XMS-05731] c 35 N75-29382
- POTEATE, W. B.**
Multiparameter vision testing apparatus
[NASA-CASE-MSC-13601-2] c 54 N75-27759
- POTTER, A. E., JR.**
Multispectral imaging system
[NASA-CASE-MSC-12404-1] c 23 N73-13661
- POTTER, L. R.**
Thermocouple installation
[NASA-CASE-NPO-13540-1] c 35 N77-14409
- POTTER, N. H.**
Method and apparatus for battery charge control Patent
[NASA-CASE-XGS-05432] c 03 N71-19438
- POTTER, P. D.**
Cassegrainian antenna subreflector flange for suppressing ground noise Patent
[NASA-CASE-XNP-00683] c 09 N70-35425
Dual mode horn antenna Patent
[NASA-CASE-XNP-01057] c 07 N71-15907
Dichroic plate
[NASA-CASE-NPO-13506-1] c 35 N76-15435
- POUCHOT, W. D.**
Self-adjusting multisegment, deployable, natural circulation radiator Patent
[NASA-CASE-XHQ-03673] c 33 N71-29046
- POULSEN, P. D.**
Longwall shearer tracking system
[NASA-CASE-MFS-25717-1] c 43 N83-14607
- POVINELLI, L. A.**
Burning rate control of solid propellants Patent
[NASA-CASE-XLE-03494] c 27 N71-21819
- POWELL, C. A., JR.**
Instrument for measuring the dynamic behavior of liquids Patent
[NASA-CASE-XLA-05541] c 12 N71-26387
- POWELL, J. A.**
Process for fabricating SiC semiconductor devices
[NASA-CASE-LEW-12094-1] c 76 N76-25049
- POWELL, J. D.**
Iodine generator for reclaimed water purification
[NASA-CASE-MSC-14632-1] c 54 N78-14784
- POWELL, W. B.**
Thermocouple installation
[NASA-CASE-NPO-13540-1] c 35 N77-14409
- POWELL, W. E., JR.**
Target acquisition antenna
[NASA-CASE-GSC-10064-1] c 10 N72-22235
- POWER, J. L.**
Ion beam thruster shield
[NASA-CASE-LEW-12082-1] c 20 N77-10148
- POWERS, E. I.**
Thermal control system for a spacecraft modular housing
[NASA-CASE-GSC-11018-1] c 31 N73-30829
- POZSONY, E. R.**
Apparatus and method for skin packaging articles
[NASA-CASE-MFS-20855] c 15 N73-27405
- PRASTHOFFER, W. P.**
Controlled overspray spray nozzle
[NASA-CASE-MFS-25139-1] c 34 N82-13376
- PRELIASCO, R. J.**
Articulated joint for deployable structures
[NASA-CASE-NPO-16038-1] c 37 N83-20157
- PRESCOTT, W. A.**
Liquid-gas separation system Patent
[NASA-CASE-XMS-01624] c 15 N70-40062
- PRESLEY, L. L.**
Measurement of plasma temperature and density using radiation absorption
[NASA-CASE-ARC-10598-1] c 75 N74-30156
- PRESTON, G. M.**
Electronic checkout system for space vehicles Patent
[NASA-CASE-XKS-08012-2] c 31 N71-15566
- PRESTON, G. W.**
Satellite communication system Patent
[NASA-CASE-XNP-02389] c 07 N71-28900
- PRICE, A. G.**
Attitude sensor
[NASA-CASE-LAR-10586-1] c 19 N74-15089
- PRICE, H. W.**
Gravity gradient attitude control system Patent
[NASA-CASE-GSC-10555-1] c 21 N71-27324
- PRICE, P.**
Apparatus for establishing flow of a fluid mass having a known velocity
[NASA-CASE-MFS-21424-1] c 34 N74-27730
- PRICE, S. B.**
Surface roughness detector Patent
[NASA-CASE-XLA-00203] c 14 N70-34161
- PRIDE, J. D., JR.**
Remote controlled tubular disconnect Patent
[NASA-CASE-XLA-01396] c 03 N71-12259
- PRIEBE, G. W.**
Relief container
[NASA-CASE-XMS-06761] c 05 N69-23192
- PRIOLETTI, J. A.**
Inductive liquid level detection system Patent
[NASA-CASE-XLE-01609] c 14 N71-10500

PRITCHARD, E. B.

Orbital and entry tracking accessory for globes
[NASA-CASE-LAR-10626-1] c 19 N74-21015

PRITCHARD, H. O.

Reduction of nitric oxide emissions from a combustor
[NASA-CASE-ARC-10814-2] c 07 N80-26298

PROCH, G. E.

Digital transmitter for data bus communications system
[NASA-CASE-MSC-14558-1] c 32 N75-21486

Low distortion receiver for bi-level baseband PCM waveforms
[NASA-CASE-MSC-14557-1] c 32 N76-16249

PROEMSEY, J. H.

Method for making a heat insulating and ablative structure
[NASA-CASE-XMS-01108] c 15 N69-24322

PROFFIT, R. L.

Hydrogen fire detection system with logic circuit to analyze the spectrum of temporal variations of the optical spectrum
[NASA-CASE-MFS-13130] c 10 N72-17173

PROGAR, D. J.

Process for applying black coating to metals Patent
[NASA-CASE-XLA-06199] c 15 N71-24875

Polyimide adhesives

[NASA-CASE-LAR-11397-1] c 27 N75-29263

Polyimide adhesives

[NASA-CASE-LAR-12181-1] c 27 N78-17205

Hot melt recharge system
[NASA-CASE-LAR-12881-1] c 27 N82-26464

Hot melt adhesive attachment pad
[NASA-CASE-LAR-12894-1] c 27 N83-34044

PROK, G. M.

Apparatus for making a metal slurry product Patent
[NASA-CASE-XLE-00010] c 15 N70-33382

PROKOPIUS, P. R.

Flow measuring apparatus
[NASA-CASE-LEW-12078-1] c 35 N75-30503

PRUETT, B. J.

Apparatus for testing a pressure responsive instrument Patent
[NASA-CASE-XMF-04134] c 14 N71-23755

PRUETT, E. C.

Satellite retrieval system
[NASA-CASE-MFS-25403-1] c 18 N83-29303

PRYOR, D. E.

Inflatable transpiration cooled nozzle
[NASA-CASE-MFS-20619] c 28 N72-11708

PRYOR, P. P., JR.

Computerized system for translating a torch head
[NASA-CASE-MFS-23620-1] c 37 N79-10421

PRZYBYSEWSKI, J. S.

Method and apparatus for sputtering utilizing an aperture electrode and a pulsed substrate bias
[NASA-CASE-LEW-10920-1] c 17 N73-24569

Joining lead wires to thin platinum alloy films
[NASA-CASE-LEW-13934-1] c 35 N83-35338

PSALTIS, D.

Ranging system
[NASA-CASE-NPO-15865-1] c 74 N83-12991

PSARRAS, T.

Perfluoroalkyl polytriazines containing pendent iododifluoromethyl groups
[NASA-CASE-ARC-11241-1] c 25 N81-14016

PUCCINELLI, A. A.

Three-axis controller Patent
[NASA-CASE-XAC-01404] c 05 N70-41581

Transfer valve Patent
[NASA-CASE-XAC-01158] c 15 N71-23051

PUCILLO, G. L.

Integrated thermoelectric generator/space antenna combination
[NASA-CASE-XER-09521] c 09 N72-12136

PULLING, R. C.

Space suit
[NASA-CASE-MSC-12609-1] c 05 N73-32012

PURCELL, T. H., JR.

Electric storage battery
[NASA-CASE-NPO-11021] c 03 N72-20032

PURGOLD, G. C.

Automated syringe sampler
[NASA-CASE-LAR-12308-1] c 35 N81-29407

PUTNAM, D. F.

Electrolytic cell structure
[NASA-CASE-LAR-11042-1] c 33 N75-27252

PYLE, E. J., JR.

Tuned analog network
[NASA-CASE-GSC-12650-1] c 33 N82-10324

Q

QADER, S. A.

Solar heated fluidized bed gasification system
[NASA-CASE-NPO-15071-1] c 44 N82-16475

Autocatalytic coal liquefaction process

[NASA-CASE-NPO-14876-2] c 28 N82-25394

Fluidized bed coal liquefaction

[NASA-CASE-NPO-15891-1] c 25 N83-36120

Fluidized bed liquefaction of biomass

[NASA-CASE-NPO-15907-1] c 25 N83-36121

QUATINETZ, M.

Method for producing fiber reinforced metallic composites Patent
[NASA-CASE-XLE-03925] c 18 N71-22894

Gas purged dry box glove Patent
[NASA-CASE-XLE-02531] c 05 N71-23080

Process for producing dispersion strengthened nickel with aluminum Patent
[NASA-CASE-XLE-06969] c 17 N71-24142

Method of producing refractory composites containing tantalum carbide, hafnium carbide, and hafnium boride Patent
[NASA-CASE-XLE-03940] c 18 N71-26153

Refractory metal base alloy composites
[NASA-CASE-XLE-03940-2] c 17 N72-28536

QUATTRONE, P. D.

Exposure system for animals Patent
[NASA-CASE-XAC-05333] c 11 N71-22875

QUINN, R. B.

Maser for frequencies in the 7-20 GHz range
[NASA-CASE-NPO-11437] c 16 N72-28521

Dielectric-loaded waveguide circulator for cryogenically cooled and cascaded maser waveguide structures
[NASA-CASE-NPO-14254-1] c 36 N80-18372

Maser amplifier slow wave structure
[NASA-CASE-NPO-15211-1] c 36 N81-24425

Resonant isolator for maser amplifier
[NASA-CASE-NPO-15201-1] c 36 N83-35350

R

RADNOFSKY, M. I.

Life raft Patent
[NASA-CASE-XMS-00863] c 05 N70-34857

Shock absorbing support and restraint means Patent
[NASA-CASE-XMS-01240] c 05 N70-35152

Life preserver Patent

[NASA-CASE-XMS-00864] c 05 N70-36493

Inflatable radar reflector unit Patent
[NASA-CASE-XMS-00893] c 07 N70-40063

Life raft stabilizer

[NASA-CASE-MSC-12393-1] c 02 N73-26006

RAGGIO, C. W., JR.

Steerable solid propellant rocket motor Patent
[NASA-CASE-XNP-00234] c 28 N70-38645

RAINEY, R. W.

High speed flight vehicle control Patent
[NASA-CASE-XLA-08967] c 02 N71-27088

RAINWATER, L. L.

Collapsible antenna boom and transmission line Patent
[NASA-CASE-MFS-20068] c 07 N71-27191

RAMEY, R. L.

Depositing semiconductor films utilizing a thermal gradient
[NASA-CASE-XKS-04614] c 15 N69-21460

Active microwave irises and windows
[NASA-CASE-LAR-10513-1] c 07 N72-25170

Thin film microwave ins
[NASA-CASE-LAR-10511-1] c 09 N72-29172

RAMME, F. B.

Flexible conductive disc electrode Patent
[NASA-CASE-FRC-10029] c 09 N71-24618

Method of removing insulated material from insulated wires
[NASA-CASE-FRC-10038] c 15 N72-20444

Method of making dry electrodes
[NASA-CASE-FRC-10029-2] c 05 N72-25121

RAMOHALLI, K. N. R.

Silicone containing solid propellant
[NASA-CASE-NPO-14477-1] c 28 N80-28536

RAND, J. L.

Thin film strain transducer
[NASA-CASE-WLP-10055-1] c 35 N82-26632

RANDALL, J. C.

Attitude control for spacecraft Patent
[NASA-CASE-XNP-02982] c 31 N70-41855

RANEY, J. P.

Buoyant anti-slosh system Patent
[NASA-CASE-XLA-04605] c 32 N71-16106

RAO, D. M.

Aerodynamic side-force alleviator means
[NASA-CASE-LAR-12326-1] c 02 N81-14968

Leading edge vortex flaps for drag reduction
[NASA-CASE-LAR-12750-1] c 02 N81-19016

Leading edge flap system for aircraft control augmentation
[NASA-CASE-LAR-12787-1] c 05 N82-25240

RAPOSA, F. L.

Parasitic suppressing circuit
[NASA-CASE-ERC-10403-1] c 10 N73-26228

Transformer regulated self-stabilizing chopper
[NASA-CASE-XGS-09186] c 33 N78-17295

RAPOZA, E. J.

Reversible current control apparatus Patent
[NASA-CASE-XLA-09371] c 10 N71-18724

RASMUSSEN, H. P.

Transparent switchboard
[NASA-CASE-MSC-13746-1] c 10 N73-32143

RASQUIN, J. R.

Angular measurement system Patent
[NASA-CASE-XMF-00447] c 14 N70-33179

Electro-optical alignment control system Patent
[NASA-CASE-XMF-00908] c 14 N70-40238

Laser coolant and ultraviolet filter
[NASA-CASE-MFS-20180] c 16 N72-12440

Underwater space suit pressure control regulator
[NASA-CASE-MFS-20332] c 05 N72-20097

Apparatus for making diamonds
[NASA-CASE-MFS-20698] c 15 N72-20446

High temperature furnace for melting materials in space
[NASA-CASE-MFS-20710] c 11 N72-23215

Process for making diamonds
[NASA-CASE-MFS-20698-2] c 15 N73-19457

Underwater space suit pressure control regulator
[NASA-CASE-MFS-20332-2] c 05 N73-25125

Digital computing cardiachometer
[NASA-CASE-MFS-20284-1] c 52 N74-12778

RASSWEILER, G. G.

Adaptive polarization separation
[NASA-CASE-LAR-12196-1] c 33 N81-26358

RATAJCZAK, A. F.

Solar cell shingle
[NASA-CASE-LEW-12587-1] c 44 N77-31601

RATCLIFF, L. P.

Latch mechanism
[NASA-CASE-MSC-12549-1] c 37 N74-27903

RATHZ, T. J.

Method and apparatus for supercooling and solidifying substances
[NASA-CASE-MFS-25242-1] c 35 N83-29650

RAVAS, R. J.

Transistor drive regulator Patent
[NASA-CASE-LEW-10233] c 10 N71-27126

RAVENHALL, R.

Platform for a swing root turbomachinery blade
[NASA-CASE-LEW-12312-1] c 07 N77-32148

Impact absorbing blade mounts for variable pitch blades
[NASA-CASE-LEW-12313-1] c 37 N78-10468

RAVINDRAM, M.

Fluidized bed desulfurization
[NASA-CASE-NPO-15924-1] c 25 N83-36122

RAWLIN, V. K.

Ring-cusp ion thruster with shell anode
[NASA-CASE-LEW-13881-1] c 72 N83-21903

RAWSON, J.

Display research collision warning system
[NASA-CASE-HQN-10703] c 21 N73-13643

RAY, W. L.

Remote fire stack igniter
[NASA-CASE-MFS-21675-1] c 25 N74-33378

RAYBORN, G. H.

A low energy electron magnetometer
[NASA-CASE-LAR-12706-1] c 35 N81-19428

RAYLE, W. D.

Electric propulsion engine test chamber Patent
[NASA-CASE-XLE-00252] c 11 N70-34844

READ, F. G.

Backpack carrier Patent
[NASA-CASE-LAR-10056] c 05 N71-12351

READ, W. S.

Silent emergency alarm system for schools and the like
[NASA-CASE-NPO-11307-1] c 10 N73-30205

Tool for use in lifting pin supported objects
[NASA-CASE-NPO-13157-1] c 37 N74-32918

READER, A. F.

Method and apparatus for making curved reflectors Patent
[NASA-CASE-XLE-08917] c 15 N71-15597

Apparatus for making curved reflectors Patent
[NASA-CASE-XLE-08917-2] c 15 N71-24836

READER, P. D.

Ion thruster cathode
[NASA-CASE-XLE-07087] c 06 N69-39889

Electrostatic ion engine having a permanent magnetic circuit Patent
[NASA-CASE-XLE-01124] c 28 N71-14043

Electrostatic ion rocket engine Patent
[NASA-CASE-XLE-02066] c 28 N71-15661

- REAM, L. W.**
Diesel engine catalytic combustor system
[NASA-CASE-LEW-12995-1] c 37 N80-26659
- RECHTER, H. L.**
Lightweight refractory insulation and method of preparing the same Patent
[NASA-CASE-XMF-05279] c 18 N71-16124
- REDDING, A. H.**
Self-adjusting multisegment, deployable, natural circulation radiator Patent
[NASA-CASE-XHQ-03673] c 33 N71-29046
- REDMON, J. W.**
Air bearing assembly for curved surfaces
[NASA-CASE-MFS-20423] c 15 N72-11388
Insulation bonding test system
[NASA-CASE-MFS-25862-1] c 27 N83-19903
- REECE, O. Y.**
Low temperature flexure fatigue cryostat Patent
[NASA-CASE-XMF-02964] c 14 N71-17659
Horizontal cryostat for fatigue testing Patent
[NASA-CASE-XMF-10968] c 14 N71-24234
Synthesis of superconducting compounds by explosive compaction of powders
[NASA-CASE-MFS-20861-1] c 18 N73-32437
- REED, A. E.**
High power-high voltage waterload Patent
[NASA-CASE-XNP-05381] c 09 N71-20842
- REED, J. H., JR.**
Instrument for use in performing a controlled Valsalva maneuver Patent
[NASA-CASE-XMS-01615] c 05 N70-41329
- REED, L.**
Method of forming ceramic to metal seal Patent
[NASA-CASE-XNP-01263-2] c 15 N71-26312
- REED, R. D.**
Method for observing the features characterizing the surface of a land mass
[NASA-CASE-FRC-11013-1] c 43 N81-17499
Sun sensing guidance system for high altitude aircraft
[NASA-CASE-FRC-11052-1] c 04 N82-23231
- REED, W. H., III**
Test unit free-flight suspension system Patent
[NASA-CASE-XLA-00939] c 11 N71-15926
Viscous-pendulum-damper Patent
[NASA-CASE-XLA-02079] c 12 N71-16894
Viscous pendulum damper Patent
[NASA-CASE-LAR-10274-1] c 14 N71-17626
Suspended mass impact damper Patent
[NASA-CASE-LAR-10193-1] c 15 N71-27146
Decoupler pylon wing/store flutter suppressor
[NASA-CASE-LAR-12468-1] c 08 N82-32373
- REESE, P. B.**
Pressure limiting propellant actuating system
[NASA-CASE-MS-18179-1] c 20 N80-18097
- REGNIER, W. W.**
Passive propellant system
[NASA-CASE-MFS-23642-2] c 20 N78-27176
Passive propellant system
[NASA-CASE-MFS-23642-1] c 20 N80-10278
- REHAGE, J. R.**
Pulse counting circuit which simultaneously indicates the occurrence of the nth pulse Patent
[NASA-CASE-XMF-00906] c 09 N70-41655
- REIBER, J. H. C.**
Contour detector and data acquisition system for the left ventricular outline
[NASA-CASE-ARC-10985-1] c 52 N79-10724
- REICHMAN, B.**
Method for determining the point of zero zeta potential of semiconductor materials
[NASA-CASE-LAR-12893-1] c 33 N82-26573
Chalcogenophosphate photoelectrodes
[NASA-CASE-LAR-12958-1] c 44 N83-18025
- REID, H. J. E., JR.**
Dynamic precession damper for spin stabilized vehicles Patent
[NASA-CASE-XLA-01989] c 21 N70-34295
Attitude orientation of spin-stabilized space vehicles Patent
[NASA-CASE-XLA-00281] c 21 N70-36943
- REID, H., JR.**
Pulse width inverter Patent
[NASA-CASE-MFS-10068] c 10 N71-25139
Induction motor control system with voltage controlled oscillator circuit
[NASA-CASE-MFS-21465-1] c 10 N73-32145
Coal-shale interface detection system
[NASA-CASE-MFS-23720-2] c 43 N80-14423
Coal-shale interface detector
[NASA-CASE-MFS-23720-1] c 43 N80-23711
- REID, M. A.**
Improved chromium electrodes for REDOX cells
[NASA-CASE-LEW-13653-1] c 44 N82-22672
Light weight nickel battery plaque
[NASA-CASE-LEW-13349-1] c 44 N82-22673
- Zirconium carbide as an electrocatalyst for the chromous-chromic redox couple
[NASA-CASE-LEW-13246-1] c 44 N83-27344
- REID, M. S.**
Conical scan tracking system employing a large antenna
[NASA-CASE-NPO-14009-1] c 32 N79-13214
- REID, R.**
Spacecraft docking and alignment system
[NASA-CASE-MS-12559-1] c 18 N76-14186
- REID, W. J.**
Digital frequency discriminator Patent
[NASA-CASE-MFS-14322] c 08 N71-18692
- REILLY, N. B.**
Satellite personal communications system
[NASA-CASE-NPO-14480-1] c 32 N80-20448
- REILLY, T. H.**
Medical diagnosis system and method with multispectral imaging
[NASA-CASE-NPO-14402-1] c 52 N81-27783
- REILLY, W. W.**
Elastomer coated filler and composites thereof comprising at least 60% by weight of a hydrated filler and an elastomer containing an acid substituent
[NASA-CASE-NPO-14857-1] c 27 N83-19900
- REINHARDT, G.**
Gas purged dry box glove Patent
[NASA-CASE-XLE-02531] c 05 N71-23080
- REINHARDT, V. S.**
Time domain phase measuring apparatus
[NASA-CASE-GSC-12228-1] c 33 N79-10338
External bulb variable volume maser
[NASA-CASE-GSC-12334-1] c 36 N79-14362
High stability buffered phase comparator
[NASA-CASE-GSC-12645-1] c 33 N81-31482
Temperature averaging thermal probe
[NASA-CASE-GSC-12795-1] c 35 N83-20085
High stability amplifier
[NASA-CASE-GSC-12646-1] c 33 N83-34191
- REINHOLD, H. W.**
Circuit breaker utilizing magnetic latching relays Patent
[NASA-CASE-MS-11277] c 09 N71-29008
- REINISCH, R. F.**
Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-1] c 27 N74-21156
Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-2] c 27 N76-32315
- REINITZ, K.**
Extended area semiconductor radiation detectors and a novel readout arrangement Patent
[NASA-CASE-XGS-03230] c 14 N71-23401
- REISS, D. A.**
Method and apparatus for shaping and enhancing acoustical levitation forces
[NASA-CASE-MFS-25050-1] c 71 N81-15767
- REIMBAUM, A.**
Method of using photovoltaic cell using poly-N-vinylcarbazole complex Patent
[NASA-CASE-NPO-10373] c 03 N71-18698
Dicyanocetylene polymers Patent
[NASA-CASE-XNP-03250] c 06 N71-23500
Heat detection and compositions and devices therefor
[NASA-CASE-NPO-10764-1] c 14 N73-14428
Preparation of alkali metal dispersions
[NASA-CASE-XNP-08876] c 17 N73-28573
Heat detection and compositions and devices therefor
[NASA-CASE-NPO-10764-2] c 35 N75-25122
Durable antistatic coating for polymethylmethacrylate
[NASA-CASE-NPO-13867-1] c 27 N78-14164
Nuclear alkylated pyridine aldehyde polymers and conductive compositions thereof
[NASA-CASE-NPO-10557] c 27 N78-17214
Pressure transducer
[NASA-CASE-NPO-11150] c 35 N78-17359
Membrane consisting of polyquaternary amine ion exchange polymer network interpenetrating the chains of thermoplastic matrix polymer
[NASA-CASE-NPO-14001-1] c 27 N81-14076
Viscoelastic cationic polymers containing the urethane linkage
[NASA-CASE-NPO-10830-1] c 27 N81-15104
Insoluble polyelectrolyte and ion-exchange hollow fiber impregnated therewith
[NASA-CASE-NPO-13530-1] c 25 N81-17187
Ion-exchange hollow fibers
[NASA-CASE-NPO-13309-1] c 25 N81-19244
Photoelectrochemical electrodes
[NASA-CASE-NPO-15458-1] c 76 N83-25587
- REMPEL, R. C.**
Optically pumped resonance magnetometer for determining vectorial components in a spatial coordinate system Patent
[NASA-CASE-XGS-04879] c 14 N71-20428
- REMPFER, P. S.**
Aircraft control system
[NASA-CASE-ERC-10439] c 02 N73-19004
- RENNER, W.**
Bactera detection instrument and method
[NASA-CASE-GSC-11533-1] c 14 N73-13435
- RENNIE, P. A.**
Automated clinical system for chromosome analysis
[NASA-CASE-NPO-13913-1] c 52 N79-12694
- RESWICK, J. B.**
Prosthesis coupling
[NASA-CASE-KSC-11069-1] c 52 N79-26772
- REYNOLDS, G. H.**
Stabilized lanthanum sulphur compounds
[NASA-CASE-NPO-16135-1] c 25 N83-24572
- REYNOLDS, H. I.**
Edge coating of flat wires
[NASA-CASE-XMF-05757-1] c 31 N79-21227
- REYNOLDS, J. M.**
Device and method for determining X ray reflection efficiency of optical surfaces
[NASA-CASE-MFS-20243] c 23 N73-13662
- REYNOLDS, R. K.**
Hydrogen-fueled engine
[NASA-CASE-NPO-13763-1] c 44 N78-33526
- REYNOLDS, W. E.**
Circuit breaker utilizing magnetic latching relays Patent
[NASA-CASE-MS-11277] c 09 N71-29008
- RHEIN, R. A.**
Curable liquid hydrocarbon prepolymers containing hydroxyl groups and process for producing same
[NASA-CASE-NPO-13137-1] c 27 N80-32514
Prepolymer dianhydrides
[NASA-CASE-NPO-13899-1] c 27 N80-32515
- RHIM, W. K.**
Closed loop electrostatic system
[NASA-CASE-NPO-15553-1] c 33 N83-12335
- RHO, J. H.**
Automated fluid chemical analyzer Patent
[NASA-CASE-XNP-09451] c 06 N71-26754
- RHODES, C. M.**
Method for retarding dye fading during archival storage of developed color photographic film
[NASA-CASE-MFS-23250-1] c 35 N82-11432
- RHODES, D. B.**
Optical scanner
[NASA-CASE-LAR-11711-1] c 74 N78-17866
Scanning afocal laser velocimeter projection lens system
[NASA-CASE-LAR-12328-1] c 36 N82-32712
- RHODES, L. L.**
Latching mechanism Patent
[NASA-CASE-MS-15474-1] c 15 N71-26162
- RHODES, M. D.**
Composite sandwich lattice structure
[NASA-CASE-LAR-11898-1] c 24 N78-10214
Method of making a composite sandwich lattice structure
[NASA-CASE-LAR-11898-2] c 24 N78-17149
- RHODES, P. H.**
Electrophoresis device
[NASA-CASE-MFS-25426-1] c 25 N83-10126
Static continuous electrophoresis device
[NASA-CASE-MFS-25306-1] c 25 N83-13187
- RIAZ, M.**
Constant frequency output two stage induction machine systems Patent
[NASA-CASE-ERC-10065] c 09 N71-27364
- RIBARICH, J. J.**
Guidance and maneuver analyzer Patent
[NASA-CASE-XNP-09572] c 14 N71-15621
- RICCITIELLO, S. R.**
Polymeric foams from cross-linkable poly-n-arylenebenzimidazoles
[NASA-CASE-ARC-11008-1] c 27 N78-31232
- RICCITIELLO, S. R.**
Modified polyurethane foams for fuel-fire Patent
[NASA-CASE-ARC-10098-1] c 06 N71-24739
Flexible fire retardant foam
[NASA-CASE-ARC-10180-1] c 28 N72-20767
Intumescent composition, foamed product prepared therewith, and process for making same
[NASA-CASE-ARC-10304-1] c 18 N73-26572
Flexible fire retardant polyisocyanate modified neoprene foam
[NASA-CASE-ARC-10180-1] c 27 N74-12814
Intumescent composition, foamed product prepared therewith and process for making same
[NASA-CASE-ARC-10304-2] c 27 N74-27037
Intumescent coatings containing 4,4'-dinitrosulfanilide
[NASA-CASE-ARC-11042-1] c 24 N78-14096
Intumescent-ablator coatings using endothermic fillers
[NASA-CASE-ARC-11043-1] c 24 N78-27180
Ambient cure polyimide foams
[NASA-CASE-ARC-11170-1] c 27 N79-11215

- Fire protection covering for small diameter missiles
[NASA-CASE-ARC-11104-1] c 15 N79-26100
- Catalysts for polyimide foams from aromatic isocyanates and aromatic dianhydrides
[NASA-CASE-ARC-11107-1] c 25 N80-16116
- RICE, R. F.**
Data compression system
[NASA-CASE-NPO-11243] c 07 N72-20154
- Space communication system for compressed data with a concatenated Reed-Solomon-Viterbi coding channel
[NASA-CASE-NPO-13545-1] c 32 N77-12240
- RICE, R. R.**
Cryogenic storage system Patent
[NASA-CASE-XMS-04390] c 31 N70-41871
- RICE, R. W.**
Extrusion can
[NASA-CASE-NPO-10812] c 15 N73-13484
- RICE, S. H.**
Method of treating the surface of a glass member
[NASA-CASE-GSC-12110-1] c 27 N77-32308
- Method of forming a sharp edge on an optical device
[NASA-CASE-GSC-12348-1] c 74 N80-24149
- Method for milling and drilling glass
[NASA-CASE-GSC-12636-1] c 31 N83-27058
- RICE, W. J.**
Indicated mean-effective pressure instrument
[NASA-CASE-LEW-12661-1] c 35 N79-14345
- Real time pressure signal system for a rotary engine
[NASA-CASE-LEW-13622-1] c 07 N82-26294
- RICH, E. JR.**
Bacterial contamination monitor
[NASA-CASE-GSC-10879-1] c 14 N72-25413
- Protein sterilization method of firefly luciferase using reduced pressure and molecular sieves
[NASA-CASE-GSC-10225-1] c 06 N73-27086
- RICHARD, C. E.**
Low cycle fatigue testing machine
[NASA-CASE-LAR-10270-1] c 32 N72-25877
- RICHARD, R. R.**
Angular accelerometer Patent
[NASA-CASE-XMS-05936] c 14 N70-41682
- RICHARDS, R. R.**
Method for detecting pollutants
[NASA-CASE-LAR-11405-1] c 45 N76-31714
- RICHARDS, W. E.**
Method and apparatus for optical modulating a light signal Patent
[NASA-CASE-GSC-10216-1] c 23 N71-26722
- RICHARDSON, J. I.**
Tubing and cable cutting tool
[NASA-CASE-LAR-12786-1] c 37 N82-20545
- RICHARDSON, R. W.**
Method for measuring cutaneous sensory perception
[NASA-CASE-MSC-13609-1] c 05 N72-25122
- RICHLEY, E. A.**
Rocket engine Patent
[NASA-CASE-XLE-00342] c 28 N70-37980
- RICHMOND, J. C.**
Ellipsoidal mirror reflectometer including means for averaging the radiation reflected from the sample
[NASA-CASE-XGS-05291] c 23 N71-16341
- RICHTER, C. G.**
Formed metal ribbon wrap Patent
[NASA-CASE-XLE-00164] c 15 N70-36411
- RICHTER, H. L.**
Reversible motion drive system Patent
[NASA-CASE-NPO-10173] c 15 N71-24696
- RICHTER, I. A.**
Dual digital video switcher
[NASA-CASE-KSC-10782-1] c 33 N75-30431
- RICHTER, R.**
Solid electrolyte cell
[NASA-CASE-NPO-15269-1] c 44 N82-29710
- RICKETTS, R. H.**
Aeroelastic instability stoppers for wind tunnel models
[NASA-CASE-LAR-12458-1] c 44 N83-21503
- Aeroelastic instability stoppers for wind tunnel models
[NASA-CASE-LAR-12720-1] c 44 N83-21504
- RIEBE, J. M.**
Landing arrangement for aenal vehicles Patent
[NASA-CASE-XLA-00142] c 02 N70-33286
- Jet aircraft configuration Patent
[NASA-CASE-XLA-00087] c 02 N70-33332
- Landing arrangement for aenal vehicle Patent
[NASA-CASE-XLA-00806] c 02 N70-34858
- Landing arrangement for aerospace vehicle Patent
[NASA-CASE-XLA-00805] c 31 N70-38010
- Control system for rocket vehicles Patent
[NASA-CASE-XLA-01163] c 21 N71-15582
- RIEBLING, R. W.**
Force-balanced, throttle valve Patent
[NASA-CASE-NPO-10808] c 15 N71-27432
- Bipropellant injector
[NASA-CASE-XNP-09461] c 28 N72-23809
- RIEKER, L. L.**
Polyvinyl alcohol cross-linked with two aldehydes
[NASA-CASE-LEW-13504-1] c 25 N83-13188
- RIGGS, K. E.**
Diffuser/ejector system for a very high vacuum environment
[NASA-CASE-MFS-15791-1] c 37 N82-33712
- RILEY, J. F.**
Compact solar still Patent
[NASA-CASE-XMS-04533] c 15 N71-23086
- RILEY, T. J.**
Nickel-base alloy Patent
[NASA-CASE-XLE-00283] c 17 N70-36616
- RINARD, G. A.**
Tumbler system to provide random motion
[NASA-CASE-XGS-02437] c 15 N69-21472
- RINDNER, W.**
Voltage tunable Gunn-type microwave generator Patent
[NASA-CASE-XER-07894] c 09 N71-18721
- Transverse piezoresistance and pinch effect electromechanical transducers Patent
[NASA-CASE-ERC-10088] c 26 N71-25490
- Pressure sensitive transducers Patent
[NASA-CASE-ERC-10087] c 14 N71-27334
- Gunn-type solid state devices
[NASA-CASE-XER-07895] c 26 N72-25679
- Electricity measurement devices employing liquid crystalline materials
[NASA-CASE-ERC-10275] c 26 N72-25680
- Semiconductor transducer device
[NASA-CASE-ERC-10087-2] c 14 N72-31446
- RINEHART, D.**
Space suit
[NASA-CASE-MSC-12609-1] c 05 N73-32012
- RINGELMAN, J. F.**
Regulated power supply Patent
[NASA-CASE-XMS-01991] c 09 N71-21449
- RIPPY, R. R.**
Linear phase demodulator including a phase locked loop with auxiliary feedback loop
[NASA-CASE-GSC-12018-1] c 33 N77-14334
- RITCHIE, D. G.**
Soil particles separator, collector and viewer Patent
[NASA-CASE-XNP-09770] c 15 N71-20440
- Material handling device Patent
[NASA-CASE-XNP-09770-3] c 11 N71-27036
- Screen particle separator
[NASA-CASE-XNP-09770-2] c 15 N72-22483
- RITCHIE, D. W.**
Solar battery with interconnecting means for plural cells Patent
[NASA-CASE-XNP-06506] c 03 N71-11050
- RITCHIE, R. S.**
Slide release mechanism
[NASA-CASE-MSC-20080-1] c 37 N82-31688
- RITCHIE, V. S.**
Aerodynamic measuring device Patent
[NASA-CASE-XLA-00481] c 14 N70-36824
- Check valve assembly for a probe Patent
[NASA-CASE-XLA-00128] c 15 N70-37925
- RITTER, D. L.**
Foldable construction block
[NASA-CASE-MSC-12233-2] c 32 N73-13921
- RLOFF, K. L.**
Dual wavelength scanning Doppler velocimeter
[NASA-CASE-ARC-10637-1] c 35 N75-16783
- ROACH, J. E.**
Casting propellant in rocket engine
[NASA-CASE-LAR-11995-1] c 28 N77-10213
- ROBBINS, H. J.**
Attitude control system for sounding rockets Patent
[NASA-CASE-XGS-01654] c 31 N71-24750
- ROBELEN, D. B.**
Deploy/release system
[NASA-CASE-LAR-11575-1] c 02 N76-16014
- ROBERTS, D. E.**
Apparatus for testing wiring harness by vibration generating means
[NASA-CASE-MSC-15158-1] c 14 N72-17325
- ROBERTS, D. L.**
Laser apparatus for removing material from rotating objects Patent
[NASA-CASE-MFS-11279] c 16 N71-20400
- ROBERTS, E. J.**
Cryogenic feedthrough
[NASA-CASE-LAR-10031] c 15 N72-22484
- ROBERTS, M. L.**
Method for making an aluminum or copper substrate panel for selective absorption of solar energy
[NASA-CASE-MFS-23518-1] c 44 N79-11469
- Aluminum or copper substrate panel for selective absorption of solar energy
[NASA-CASE-MFS-23518-3] c 44 N80-16452
- ROBERTS, V. W.**
Silent emergency alarm system for schools and the like
[NASA-CASE-NPO-11307-1] c 10 N73-30205
- ROBERTSON, A. J.**
Aircraft control system
[NASA-CASE-ERC-10439] c 02 N73-19004
- ROBERTSON, J. B.**
High field CdS detector for infrared radiation
[NASA-CASE-LAR-11027-1] c 35 N74-18088
- Pyroelectric detector arrays
[NASA-CASE-LAR-12363-1] c 35 N82-31659
- Pyroelectric detector arrays
[NASA-CASE-LAR-12363-2] c 33 N83-24763
- ROBERTSON, K. B.**
Satellite retrieval system
[NASA-CASE-MFS-25403-1] c 18 N83-29303
- ROBERTSON, W. L.**
Two-axis controller Patent
[NASA-CASE-XFR-04104] c 03 N70-42073
- ROBILLARD, G.**
Apparatus and method for control of a solid fueled rocket vehicle Patent
[NASA-CASE-XNP-00217] c 28 N70-38181
- ROBINS, A. W.**
Supersonic aircraft Patent
[NASA-CASE-XLA-04451] c 02 N71-12243
- ROBINSON, G. P.**
Heat flux sensor assembly
[NASA-CASE-XMS-05909-1] c 14 N69-27459
- ROBINSON, M.**
Solid state chemical source for ammonia beam maser Patent
[NASA-CASE-XGS-01504] c 16 N70-41578
- ROBINSON, M. B.**
Method and apparatus for supercooling and solidifying substances
[NASA-CASE-MFS-25242-1] c 35 N83-29650
- ROBINSON, R. K.**
Fuselage structure using advanced technology fiber reinforced composites
[NASA-CASE-LAR-11688-1] c 24 N82-26384
- ROBINSON, W. J., JR.**
Microwave power transmission system wherein level of transmitted power is controlled by reflections from receiver
[NASA-CASE-MFS-21470-1] c 44 N74-19870
- ROBSON, P. N.**
Traveling wave solid state amplifier utilizing a semiconductor with negative differential mobility
[NASA-CASE-HQN-10069] c 33 N75-27251
- ROCHOW, S. E.**
Hydroxy terminated perfluoro ethers Patent
[NASA-CASE-NPO-10768] c 06 N71-27254
- Perfluoro polyether acyl fluorides
[NASA-CASE-NPO-10765] c 06 N72-20121
- Polyurethane resins from hydroxy terminated perfluoro ethers
[NASA-CASE-NPO-10768-2] c 06 N72-27144
- Highly fluorinated polyurethanes
[NASA-CASE-NPO-10767-2] c 06 N72-27151
- Highly fluorinated polyurethanes
[NASA-CASE-NPO-10767-1] c 06 N73-33076
- RODNER, W. H.**
Solar cell mounting Patent
[NASA-CASE-XNP-00826] c 03 N71-20895
- RODRIGUEZ, G. E.**
Buck/boost regulator
[NASA-CASE-GSC-12360-1] c 33 N81-19392
- ROEDER, E. R.**
Brazing alloy binder
[NASA-CASE-XMF-05868] c 26 N75-27125
- Brazing alloy composition
[NASA-CASE-XMF-06053] c 26 N75-27126
- Brazing alloy
[NASA-CASE-XNP-03878] c 26 N75-27127
- ROESKE, P. W.**
Inductive liquid level detection system Patent
[NASA-CASE-XLE-01609] c 14 N71-10500
- ROGALLO, F. M.**
Aeroflexible structures
[NASA-CASE-XLA-06095] c 01 N69-39981
- Jet aircraft configuration Patent
[NASA-CASE-XLA-00087] c 02 N70-33332
- Control for flexible parawing Patent
[NASA-CASE-XLA-06958] c 02 N71-11038
- ROGALLO, V. L.**
Propeller blade loading control Patent
[NASA-CASE-XAC-00139] c 02 N70-34856
- Null-type vacuum microbalance Patent
[NASA-CASE-XAC-00472] c 15 N70-40180
- Thermo-protective device for balances Patent
[NASA-CASE-XAC-00648] c 14 N70-40400
- Force transducer Patent
[NASA-CASE-XAC-01101] c 14 N70-41957

- ROGERS, F. O.**
Synthesis of zinc titanate pigment and coatings containing the same
[NASA-CASE-MFS-13532] c 18 N72-17532
- ROGERS, J. R.**
Pneumatic load compensating or controlling system
[NASA-CASE-ARC-10907-1] c 37 N75-32465
Smoke generator
[NASA-CASE-ARC-10905-1] c 37 N77-13418
- ROGOWSKI, R. S.**
Method for detecting pollutants
[NASA-CASE-LAR-11405-1] c 45 N76-31714
Thermoluminescent aerosol analysis
[NASA-CASE-LAR-12046-1] c 25 N78-15210
- ROHATGI, N. K.**
Coal desulfurization by aqueous chlorination
[NASA-CASE-NPO-14902-1] c 25 N82-29371
Hydrodesulfurization of chlorinated coal
[NASA-CASE-NPO-15304-1] c 25 N83-31743
- ROLF, E.**
Laser Doppler system for measuring three dimensional vector velocity Patent
[NASA-CASE-MFS-20386] c 21 N71-19212
- ROLIK, G. P.**
Solar cell panels with light transmitting plate
[NASA-CASE-NPO-10747] c 03 N72-22042
- ROLLER, R. F.**
Demodulator for carrier transducers
[NASA-CASE-NUC-10107-1] c 33 N74-17930
- ROLLINS, G. N.**
System for calibrating pressure transducer
[NASA-CASE-LAR-10910-1] c 35 N74-13132
- ROLLINS, J. R.**
Externally supported internally stabilized flexible duct joint
[NASA-CASE-MFS-19194-1] c 37 N76-14460
- ROM, F. E.**
Gas core nuclear reactor Patent
[NASA-CASE-LEW-10250-1] c 22 N71-28759
- ROMAN, J. A.**
Biomedical electrode arrangement Patent
[NASA-CASE-XFR-10856] c 05 N71-11189
Method and apparatus for attaching physiological monitoring electrodes Patent
[NASA-CASE-XFR-07658-1] c 05 N71-26293
Gas low pressure low flow rate metering system Patent
[NASA-CASE-FRC-10022] c 12 N71-26546
Respiration monitor
[NASA-CASE-FRC-10012] c 14 N72-17329
- ROMAN, R. F.**
Hydrogen hollow cathode ion source
[NASA-CASE-LEW-12940-1] c 72 N80-33186
Ring-cusp ion thruster with shell anode
[NASA-CASE-LEW-13881-1] c 72 N83-21903
- ROMANCZYK, K. C.**
Fringe counter for interferometers Patent
[NASA-CASE-LAR-10204] c 14 N71-27215
- ROMMEL, M. A.**
Hydrogen leak detection device Patent
[NASA-CASE-MFS-11537] c 14 N71-20442
- ROMVARY, E., JR.**
Intermittent type silica gel adsorption refrigerator Patent
[NASA-CASE-XNP-00920] c 15 N71-15906
- RONEY, B. W.**
Evacuation valve
[NASA-CASE-LAR-10061-1] c 15 N72-31483
- ROOT, G. L.**
Valve seat
[NASA-CASE-NPO-10606] c 15 N72-25451
- ROSALES, L. A.**
Control valve and co-axial variable injector Patent
[NASA-CASE-XNP-09702] c 15 N71-17654
Multiple orifice throttle valve Patent
[NASA-CASE-XNP-09698] c 15 N71-18580
- ROSE, S. D.**
Coal-rock interface detector
[NASA-CASE-MFS-23725-1] c 43 N79-31706
- ROSEN, H. A.**
Varactor high level mixer
[NASA-CASE-XGS-02171] c 09 N69-24324
Apparatus for changing the orientation and velocity of a spinning body traversing a path Patent
[NASA-CASE-HQN-00936] c 31 N71-29050
- ROSEN, L.**
Focused image holography with extended sources Patent
[NASA-CASE-ERC-10019] c 16 N71-15551
Recording and reconstructing focused image holograms Patent
[NASA-CASE-ERC-10017] c 16 N71-15567
Method and means for recording and reconstructing holograms without use of a reference beam Patent
[NASA-CASE-ERC-10020] c 16 N71-26154
- ROSENBAUM, B. J.**
Flow test device
[NASA-CASE-XMS-04917] c 14 N69-24257
- ROSENBLUM, L.**
Split welding chamber Patent
[NASA-CASE-LEW-11531] c 15 N71-14932
Analytical test apparatus and method for determining oxide content of alkali metal Patent
[NASA-CASE-XLE-01997] c 06 N71-23527
- ROSENGREN, L. G.**
Method and apparatus for background signal reduction in opto-acoustic absorption measurement
[NASA-CASE-NPO-13683-1] c 35 N77-14411
- ROSIER, W. R.**
Portable device for use in starting air-start-units for aircraft and having cable lead testing capability
[NASA-CASE-FRC-10113-1] c 33 N80-26599
- ROSIN, A. D.**
Zero gravity separator Patent
[NASA-CASE-XLE-00586] c 15 N71-15968
- ROSIN, S.**
Wide angle long eye relief eyepiece Patent
[NASA-CASE-XMS-06056-1] c 23 N71-24857
Ritchey-Chretien Telescope
[NASA-CASE-GSC-11487-1] c 14 N73-30393
- ROSINSKI, W. K.**
Adjustable force probe
[NASA-CASE-MFS-20760] c 14 N72-33377
- ROSITANO, S. A.**
Visual examination apparatus
[NASA-CASE-ARC-10329-1] c 05 N73-26072
Visual examination apparatus
[US-PATENT-RE-28,921] c 52 N76-30793
- ROSS, L. O.**
Preparation of heterocyclic block copolymer omega-diamidoximes
[NASA-CASE-ARC-11060-1] c 27 N79-22300
- ROSSER, R. W.**
Polyimide foam for the thermal insulation and fire protection
[NASA-CASE-ARC-10464-1] c 27 N74-12812
Fiber modified polyurethane foam for ballistic protection
[NASA-CASE-ARC-10714-1] c 27 N76-15310
Preparation of heterocyclic block copolymer omega-diamidoximes
[NASA-CASE-ARC-11060-1] c 27 N79-22300
Preparation of perfluorinated imidoylamidoximes
[NASA-CASE-ARC-11267-1] c 23 N80-26386
Perfluoroalkyl polytriazines containing pendent iododifluoromethyl groups
[NASA-CASE-ARC-11241-1] c 25 N81-14016
Process for the preparation of fluorine containing crosslinked elastomeric polytriazine and product so produced
[NASA-CASE-ARC-11248-1] c 27 N81-17259
The 1,2,4-oxadiazole elastomers
[NASA-CASE-ARC-11253-1] c 27 N81-17262
Bifunctional monomers having terminal oxime and cyano or amidine groups
[NASA-CASE-ARC-11253-3] c 27 N81-24256
The 1,1,1-triaryl-2,2,2-trifluoroethanes and process for their synthesis
[NASA-CASE-ARC-11097-1] c 25 N82-24312
Preparation of crosslinked 1,2,4-oxadiazole polymer
[NASA-CASE-ARC-11253-2] c 27 N82-24338
Improved process for preparing perfluorotriazine elastomers and precursors thereof
[NASA-CASE-ARC-11402-1] c 27 N82-26462
Preparation of perfluorinated 1,2,4-oxadiazoles
[NASA-CASE-ARC-11267-2] c 23 N82-28353
High performance filleting sealant
[NASA-CASE-ARC-11409-1] c 27 N82-32490
High performance channel injection sealant invention abstract
[NASA-CASE-ARC-14408-1] c 27 N82-33523
Fluoroether modified epoxy composites
[NASA-CASE-ARC-11418-1] c 24 N83-17603
- ROSSI, B. B.**
X-ray reflection collimator adapted to focus X-radiation directly on a detector Patent
[NASA-CASE-XHQ-04106] c 14 N70-40240
- ROSSOW, V. J.**
Apparatus for measuring conductivity and velocity of plasma utilizing a plurality of sensing coils positioned in the plasma Patent
[NASA-CASE-XAC-05695] c 25 N71-16073
- ROTH, H.**
Voltage tunable Gunn-type microwave generator Patent
[NASA-CASE-XER-07894] c 09 N71-18721
Gunn-type solid state devices
[NASA-CASE-XER-07895] c 26 N72-25679
- ROTMAN, A.**
Supporting and protecting device Patent
[NASA-CASE-XMF-00580] c 11 N70-35383
- ROUDEBUSH, W. H.**
Gas turbine combustor Patent
[NASA-CASE-LEW-10286-1] c 28 N71-28915
- ROUGHTON, N. A.**
Method and apparatus for vibration analysis utilizing the Mossbauer effect
[NASA-CASE-XMF-05882] c 35 N75-27329
- ROUSEY, W. J.**
System for generating timing and control signals
[NASA-CASE-NPO-13125-1] c 33 N75-19519
- ROUTH, D. E.**
Multilevel metallization method for fabricating a metal oxide semiconductor device
[NASA-CASE-MFS-23541-1] c 76 N79-14906
Method of construction of a multi-cell solar array
[NASA-CASE-MFS-23540-1] c 44 N79-26475
Method for sequentially processing a multi-level interconnect circuit in a vacuum chamber
[NASA-CASE-MFS-15670-1] c 33 N82-33634
- ROUZER, L. E.**
Segmented superconducting magnet for a broadband traveling wave maser Patent
[NASA-CASE-XGS-10518] c 16 N71-28554
- ROWE, H. E.**
Dually mode locked Nd YAG laser
[NASA-CASE-GSC-11746-1] c 36 N75-19654
- ROWLAND, C. W.**
Apparatus for ejection of an instrument cover
[NASA-CASE-XMF-04132] c 15 N69-27502
Laser communication system for controlling several functions at a location remote to the laser
[NASA-CASE-LAR-10311-1] c 16 N73-16536
- ROWLETTE, J. J.**
State-of-charge coulometer
[NASA-CASE-NPO-15759-1] c 35 N82-26630
- ROWLEY, P. D.**
Measurement of plasma temperature and density using radiation absorption
[NASA-CASE-ARC-10598-1] c 75 N74-30156
- ROY, N. L.**
Cosmic dust analyzer
[NASA-CASE-MS-13802-2] c 35 N76-15431
Particle parameter analyzing system
[NASA-CASE-XLE-06094] c 33 N78-17293
Apparatus for handling micron size range particulate material
[NASA-CASE-NPO-10151] c 37 N78-17386
- ROY, U.**
Synthesis of superconducting compounds by explosive compaction of powders
[NASA-CASE-MFS-20861-1] c 18 N73-32437
- ROYSTER, D. M. K.**
Curved cap corrugated sheet
[NASA-CASE-LAR-12884-1] c 31 N83-29446
- ROZAS, P.**
Doppler radar having phase modulation of both transmitted and reflected return signals
[NASA-CASE-MS-18675-1] c 32 N81-29312
- RUBERT, K. F.**
Method of obtaining permanent record of surface flow phenomena Patent
[NASA-CASE-XLA-01353] c 14 N70-41366
Quick release connector Patent
[NASA-CASE-XLA-01141] c 15 N71-13789
- RUBIN, B.**
Process for the preparation of brushite crystals
[NASA-CASE-ERC-10338] c 04 N72-33072
- RUBIN, D. C.**
Electricity measurement devices employing liquid crystalline materials
[NASA-CASE-ERC-10275] c 26 N72-25680
- RUBIN, I.**
Hexagon solar power panel
[NASA-CASE-NPO-12148-1] c 44 N78-27515
- RUDDOCK, K. A.**
Optically pumped resonance magnetometer for determining vectorial components in a spatial coordinate system Patent
[NASA-CASE-XGS-04879] c 14 N71-20428
- RUDERMAN, I. W.**
Metabolic rate meter and method
[NASA-CASE-MS-12239-1] c 52 N79-21750
- RUDMANN, A. A.**
Coupling device for moving vehicles
[NASA-CASE-GSC-12322-1] c 37 N80-14398
Device for coupling a first vehicle to a second vehicle
[NASA-CASE-GSC-12429-1] c 37 N81-14320
- RUDNICK, I.**
Acoustic driving of rotor
[NASA-CASE-NPO-14005-1] c 71 N79-20827
- RUEHR, W. C.**
Curved centerline air intake for a gas turbine engine
[NASA-CASE-LEW-13201-1] c 07 N81-14999

RUHNKE, L. H.

- Determining distance to lightning strokes from a single station
[NASA-CASE-KSC-10698] c 07 N73-20175
- Rocket borne instrument to measure electric fields inside electrified clouds
[NASA-CASE-KSC-10730-1] c 14 N73-32318
- RUITBERG, A. P.**
High voltage isolation transformer
[NASA-CASE-GSC-12817-1] c 33 N83-29590
High voltage power supply
[NASA-CASE-GSC-12818-1] c 33 N83-29594
- RUIZ, W. V.**
Precision heat forming of tetrafluoroethylene tubing
[NASA-CASE-MS-C-18430-1] c 37 N82-24491
- RUMBLE, C. V.**
Means for accommodating large overstrain in lead wires
[NASA-CASE-LAR-10168-1] c 33 N74-22865
- RUMMEL, J. A.**
Metabolic analyzer
[NASA-CASE-MFS-21415-1] c 52 N74-20728
- RUMMLER, D. R.**
Automatic force measuring system Patent
[NASA-CASE-XLA-02605] c 14 N71-10773
Low mass truss structure
[NASA-CASE-LAR-10546-1] c 11 N72-25287
- RUNDELL, D. J.**
Variable mixer propulsion cycle
[NASA-CASE-LEW-12917-1] c 07 N78-18067
- RUOFF, C. F.**
Retinally stabilized differential resolution television display
[NASA-CASE-JPO-15432-1] c 32 N83-12308
Memory metal actuator
[NASA-CASE-NPO-15960-1] c 37 N83-36485
- RUPE, J. H.**
Hydrogen rich gas generator
[NASA-CASE-NPO-13342-1] c 37 N76-16446
System for minimizing internal combustion engine pollution emission
[NASA-CASE-NPO-13402-1] c 37 N76-18457
Hydrogen rich gas generator
[NASA-CASE-NPO-13342-2] c 44 N76-29700
- RUPNIK, D. R.**
Switching circuit Patent
[NASA-CASE-XNP-06505] c 10 N71-24799
- RUPP, C. C.**
Attitude control system
[NASA-CASE-MFS-22787-1] c 15 N77-10113
Tetherline system for orbiting satellites
[NASA-CASE-MFS-23564-1] c 15 N78-25119
- RUPPE, E. P.**
Heat treat fixture and method of heat treating
[NASA-CASE-LAR-11821-1] c 26 N80-28492
- RUSSELL, C. H.**
Analog to digital converter tester Patent
[NASA-CASE-XLA-06713] c 14 N71-28991
- RUSSELL, G. R.**
Inert gas metallic vapor laser
[NASA-CASE-NPO-13449-1] c 36 N75-32441
Isotope separation using metallic vapor lasers
[NASA-CASE-NPO-13550-1] c 36 N77-26477
- RUSSELL, J. M., III**
Event recorder Patent
[NASA-CASE-XLA-01832] c 14 N71-21006
Ablation sensor Patent
[NASA-CASE-XLA-01791] c 14 N71-22991
- RUSSELL, L. D.**
High intensity radiant energy pulse source having means for opening shutter when light flux has reached a desired level
[NASA-CASE-ARC-10178-1] c 09 N72-17152
Thermoelectric radiometer utilizing polymer film
[NASA-CASE-ARC-10138-1] c 14 N72-24477
- RUSSELL, W. E.**
Method and apparatus for making curved reflectors Patent
[NASA-CASE-XLE-08917] c 15 N71-15597
Apparatus for making curved reflectors Patent
[NASA-CASE-XLE-08917-2] c 15 N71-24836
- RUST, R.**
Solenoid construction Patent
[NASA-CASE-XNP-01951] c 09 N70-41929
- RUTLEDGE, C. W.**
Digital control of diode laser for atmospheric spectroscopy
[NASA-CASE-NPO-16000-1] c 36 N83-24842
- RYAN, C. R.**
Quadrature demodulation
[NASA-CASE-GSC-12137-1] c 33 N78-32338
- RYAN, E. W.**
Thrust reverser for a long duct fan engine
[NASA-CASE-LEW-13199-1] c 07 N82-26293

RYASON, P. R.

- Solar photolysis of water
[NASA-CASE-NPO-13675-1] c 44 N77-32580
Solar photolysis of water
[NASA-CASE-NPO-14126-1] c 44 N79-11470
Continuous coal processing method
[NASA-CASE-NPO-13758-2] c 31 N81-15154

S

SABAROFF, S.

- Broadband frequency discriminator Patent
[NASA-CASE-NPO-10096] c 07 N71-24583
Systems and methods for determining radio frequency interference
[NASA-CASE-GSC-12150-1] c 32 N79-11265

SABELMAN, E. E.

- Pump for delivering heated fluids
[NASA-CASE-NPO-11417] c 15 N73-24513
Ferrofluidic solenoid
[NASA-CASE-NPO-11738-1] c 09 N73-30185

SABOL, A. P.

- Crossed-field MHD plasma generator/accelerator Patent
[NASA-CASE-XLA-03374] c 25 N71-15562
Self-repeating plasma generator having communicating annular and linear arc discharge passages Patent
[NASA-CASE-XLA-03103] c 25 N71-21693
Apparatus and method for generating large mass flow of high temperature air at hypersonic speeds
[NASA-CASE-LAR-10612-1] c 12 N73-28144
Heat exchanger system and method
[NASA-CASE-LAR-10799-2] c 34 N76-17317
Solar hydrogen generator
[NASA-CASE-LAR-11361-1] c 44 N77-22607

SABOURIN, D. J.

- Method for terminal position determination in Earth terminal-to-satellite burst acquisition and synchronization
[NASA-CASE-LEW-13893-1] c 32 N83-30832

SACKS, B. H.

- Magnetically actuated tuning method for Gunn oscillators
[NASA-CASE-NPO-12106] c 09 N73-15235

SADHUKHAN, P.

- Process for preparing higher oxides of the alkali and alkaline earth metals
[NASA-CASE-ARC-10992-1] c 26 N78-32229

SAFFREN, M. M.

- Material suspension within an acoustically excited resonant chamber
[NASA-CASE-NPO-13263-1] c 12 N75-24774
Heat operated cryogenic electrical generator
[NASA-CASE-NPO-13303-1] c 20 N75-24837
Doped Josephson tunneling junction for use in a sensitive IR detector
[NASA-CASE-NPO-13348-1] c 33 N75-31332
Magnetometer using superconducting rotating body
[NASA-CASE-NPO-13388-1] c 35 N76-16390
Method and apparatus for generating coherent radiation in the ultra-violet region and above by use of distributed feedback
[NASA-CASE-NPO-13346-1] c 36 N76-29575
Apparatus for photon excited catalysis
[NASA-CASE-NPO-13566-1] c 25 N77-32255
Closed loop electrostatic system
[NASA-CASE-NPO-15553-1] c 33 N83-12335

SAHINKAYA, Y.

- Optimal control system for an electric motor driven vehicle
[NASA-CASE-NPO-11210] c 11 N72-20244

SAINSBURY-CARTER, J. B.

- Bonded joint and method
[NASA-CASE-LAR-10900-1] c 37 N74-23064

SAINTCLAIR, T. L.

- Polyimide adhesives
[NASA-CASE-LAR-11397-1] c 27 N75-29263

SAKELLARIS, P. C.

- Automatic fluid dispenser
[NASA-CASE-ARC-10820-1] c 35 N78-19466

SALAMA, A. M.

- Method of mitigating titanium impurities effects in p-type silicon material for solar cells
[NASA-CASE-NPO-14635-1] c 44 N80-24741
Efficiency of silicon solar cells containing chromium
[NASA-CASE-NPO-15179-1] c 44 N82-26777

SALEMME, C. T.

- Impact absorbing blade mounts for variable pitch blades
[NASA-CASE-LEW-12313-1] c 37 N78-10468

SALISBURY, D. P.

- High performance filleting sealant
[NASA-CASE-ARC-11409-1] c 27 N82-32490
High performance channel injection sealant invention abstract
[NASA-CASE-ARC-14408-1] c 27 N82-33523

SALISBURY, J. K., JR.

- Controller arm for a remotely related slave arm
[NASA-CASE-ARC-11052-1] c 37 N79-28551

SALMIRS, S.

- Radiation direction detector including means for compensating for photocell aging Patent
[NASA-CASE-XLA-00183] c 14 N70-40239
Spacecraft separation system for spinning vehicles and/or payloads Patent
[NASA-CASE-XLA-02132] c 31 N71-10582

SALOMON, P. M.

- Programmable scan/read circuitry for charge coupled device imaging detectors
[NASA-CASE-NPO-15345-1] c 33 N81-27403

SALTER, W. E.

- Pseudo-noise test set for communication system evaluation
[NASA-CASE-MFS-22671-1] c 35 N75-21582
Method of and means for testing a tape record/playback system
[NASA-CASE-MFS-22671-2] c 35 N77-17426

SALTZMAN, E. J.

- Traversing probe Patent
[NASA-CASE-XFR-02007] c 12 N71-24692
Low-drag ground vehicle particularly suited for use in safely transporting livestock
[NASA-CASE-FRC-11058-1] c 85 N82-33288

SALVINSKI, R. J.

- Electrohydrodynamic control valve Patent
[NASA-CASE-NPO-10416] c 12 N71-27332
Ultrasonically bonded valve assembly
[NASA-CASE-NPO-13360-1] c 37 N75-25185

SAMFIELD, E.

- Inflatable tether Patent
[NASA-CASE-XMS-10993] c 15 N71-28936

SAMONSKI, F. H., JR.

- Liquid-gas separator for zero gravity environment Patent
[NASA-CASE-XMS-01492] c 05 N70-41297

SAMSON, J. A. R.

- Analytical photoionization mass spectrometer with an argon gas filter between the light source and monochromator Patent
[NASA-CASE-LAR-10180-1] c 06 N71-13461

SAMSON, R.

- Sealed cabinetry Patent
[NASA-CASE-MS-C-12168-1] c 09 N71-18600

SAN MIGUEL, A.

- Means and method of measuring viscoelastic strain Patent
[NASA-CASE-XNP-01153] c 32 N71-17645
Miniature stress transducer Patent
[NASA-CASE-XNP-02983] c 14 N71-21091

SANDBORN, V. A.

- Particle beam measurement apparatus using beam kinetic energy to change the heat sensitive resistance of the detection probe Patent
[NASA-CASE-XLE-00243] c 14 N70-38602
Apparatus for increasing ion engine beam density Patent
[NASA-CASE-XLE-00519] c 28 N70-41576

SANDER, R. C.

- Transient video signal recording with expanded playback Patent
[NASA-CASE-ARC-10003-1] c 09 N71-25868

SANDERS, B. W.

- Airflow control system for supersonic inlets
[NASA-CASE-LEW-11188-1] c 02 N74-20646

SANDFORD, M. C.

- Solar cell angular position transducer
[NASA-CASE-LAR-11999-1] c 44 N80-18552

SANDROCK, G. D.

- High temperature cobalt-base alloy Patent
[NASA-CASE-XLE-02991] c 17 N71-16025
High temperature ferromagnetic cobalt-base alloy Patent
[NASA-CASE-XLE-03629] c 17 N71-23248

SANDROCK, G. D.

- Cobalt-base alloy
[NASA-CASE-LEW-10436-1] c 17 N73-32415

SANDSTROM, D. B.

- Fabrication of single crystal film semiconductor devices
[NASA-CASE-ERC-10222] c 09 N72-22199

SANTARPIA, D.

- Dually mode locked Nd YAG laser
[NASA-CASE-GSC-11746-1] c 36 N75-19654

SARBOLOUKI, M. N.

- Photomechanical transducer
[NASA-CASE-NPO-14363-1] c 39 N81-25400
Asymmetric polyimide separation membrane and method
[NASA-CASE-NPO-15431-1] c 25 N81-29178

SARGISSON, D. F.

- Gas turbine engine with convertible accessories
[NASA-CASE-LEW-12390-1] c 07 N78-17056

- Integrated gas turbine engine-nacelle
[NASA-CASE-LEW-12389-2] c 07 N78-18066
- Integrated gas turbine engine-nacelle
[NASA-CASE-LEW-12389-3] c 07 N79-14096
- SATER, B. L.**
Method of cold welding using ion beam technology
[NASA-CASE-LEW-12982-1] c 37 N81-19455
- SAUER, L. S.**
Hybrid lubrication system and bearing Patent
[NASA-CASE-XNP-01641] c 15 N71-22997
- SAUER, R. L.**
Automatic bio-waste sampling
[NASA-CASE-MS-C-14640-1] c 54 N76-14804
- SAUER, T. H.**
Parallel-plate viscometer with double diaphragm suspension
[NASA-CASE-NPO-11387] c 14 N73-14429
- SAUERS, D. G.**
Measuring device Patent
[NASA-CASE-XMS-01546] c 14 N70-40233
- Lightweight electrically-powered flexible thermal laminate
[NASA-CASE-MS-C-12662-1] c 33 N79-12331
- SAUNDERS, A. A., JR.**
Method and apparatus for rapid thrust increases in a turbofan engine
[NASA-CASE-LEW-12971-1] c 07 N80-18039
- Integrated control system for a gas turbine engine
[NASA-CASE-LEW-12594-2] c 07 N81-19116
- SAUNDERS, A. R.**
A technique for breaking ice in the path of a ship
[NASA-CASE-LAR-10815-1] c 16 N72-22520
- SAUNDERS, J. M.**
Insulation bonding test system
[NASA-CASE-MSC-25862-1] c 27 N83-19903
- SAUNDERS, N. T.**
Method of producing porous tungsten ionizers for ion rocket engines Patent
[NASA-CASE-XLE-00455] c 28 N70-38197
- SAUTER, R. J.**
Foot pedal operated fluid type exercising device
[NASA-CASE-MS-C-11561-1] c 05 N73-32014
- SAWKO, P. M.**
Polymers vehicles as carriers for sulfonic acid salt of nitrosubstituted aromatic amines
[NASA-CASE-ARC-10325] c 06 N72-25147
- Intumescent paint containing nitrile rubber
[NASA-CASE-ARC-10196-1] c 18 N73-13562
- Transparent fire resistant polymers structures
[NASA-CASE-ARC-10813-1] c 27 N76-16230
- Intumescent coatings containing 4,4'-dimethylsulfanilide
[NASA-CASE-ARC-11042-1] c 24 N78-14096
- Intumescent-ablator coatings using endothermic fillers
[NASA-CASE-ARC-11043-1] c 24 N78-27180
- Ambient cure polyimide foams
[NASA-CASE-ARC-11170-1] c 27 N79-11215
- Fire protection covering for small diameter missiles
[NASA-CASE-ARC-11104-1] c 15 N79-26100
- Catalysts for polyimide foams from aromatic isocyanates and aromatic dianhydrides
[NASA-CASE-ARC-11107-1] c 25 N80-16116
- Structural wood panels with improved fire resistance
[NASA-CASE-ARC-11174-1] c 24 N81-13999
- SAWYER, C. D.**
Control for nuclear thermionic power source
[NASA-CASE-NPO-13114-2] c 73 N78-28913
- SAWYER, D. E.**
Semiconductor-ferroelectric memory device
[NASA-CASE-ERC-10307] c 08 N72-21198
- Fabrication of single crystal film semiconductor devices
[NASA-CASE-ERC-10222] c 09 N72-22199
- SAWYER, J. T.**
Leak detector
[NASA-CASE-MFS-21761-1] c 35 N75-15931
- SAWYER, R. V.**
Electrical servo actuator bracket
[NASA-CASE-FRC-11044-1] c 37 N81-33483
- Computer circuit card puller
[NASA-CASE-FRC-11042-1] c 60 N82-24839
- SCAPICCHIO, A. J.**
Apparatus and method for separating a semiconductor wafer Patent
[NASA-CASE-ERC-10138] c 26 N71-14354
- SCHACH, M.**
Apparatus for controlling the temperature of balloon-borne equipment
[NASA-CASE-GSC-11620-1] c 34 N74-23039
- SCHACHT, W. F.**
Water cooled contactor for anode in carbon arc mechanism
[NASA-CASE-XMS-03700] c 15 N69-24266
- SCHACHTER, M. M.**
Apparatus for producing three-dimensional recordings of fluorescence spectra Patent
[NASA-CASE-XGS-01231] c 14 N70-41676
- SCHAEFER, D. H.**
Binary magnetic memory device Patent
[NASA-CASE-XGS-00174] c 08 N70-34743
- Logarithmic converter Patent
[NASA-CASE-XLA-00471] c 08 N70-34778
- Full binary adder Patent
[NASA-CASE-XGS-00689] c 08 N70-34787
- Ripple add and ripple subtract binary counters Patent
[NASA-CASE-XGS-04766] c 08 N71-18602
- Computing apparatus Patent
[NASA-CASE-XGS-04765] c 08 N71-18693
- Signal detection and tracking apparatus Patent
[NASA-CASE-XGS-03502] c 10 N71-20852
- Two-dimensional radiant energy array computers and computing devices
[NASA-CASE-GSC-11839-1] c 60 N77-14751
- Memory device for two-dimensional radiant energy array computers
[NASA-CASE-GSC-11839-2] c 60 N78-10709
- SCHAEFER, G. J.**
Apparatus and method for determining the position of a radiant energy source
[NASA-CASE-GSC-12147-1] c 32 N81-27341
- SCHAEER, G. R.**
Method of making porous conductive supports for electrodes
[NASA-CASE-GSC-11367-1] c 44 N74-19692
- SCHAEFFER, G. L.**
Multivibrator circuit with means to prevent false triggering from supply voltage fluctuations Patent
[NASA-CASE-ARC-10137-1] c 09 N71-28468
- SCHAEFFERT, J. C.**
Ultra-long monostable multivibrator employing bistable semiconductor switch to allow charging of timing circuit Patent
[NASA-CASE-XGS-00381] c 09 N70-34819
- SCHALLER, N. C.**
Apparatus for vibrational testing of articles
[NASA-CASE-GSC-11302-1] c 14 N73-13416
- SCHANSMAN, R. R.**
Photoelectric detection system
[NASA-CASE-MFS-23776-1] c 33 N82-28545
- SCHAPPERT, G. T.**
Method and apparatus for wavelength tuning of liquid lasers
[NASA-CASE-ERC-10187] c 16 N69-31343
- SCHAU, R. B.**
Thermobulb mount Patent
[NASA-CASE-NPO-10158] c 33 N71-16356
- SCHBE, H.**
Metering gun for dispensing precisely measured charges of fluid
[NASA-CASE-MFS-21163-1] c 54 N74-17853
- SCHELL, J. T.**
Cryogenic thermal insulation Patent
[NASA-CASE-XMF-05046] c 33 N71-28892
- SCHER, M. P.**
Spacecraft attitude control method and apparatus
[NASA-CASE-HQN-10439] c 21 N72-21624
- SCHER, S. H.**
Hot air balloon deceleration and recovery system Patent
[NASA-CASE-XLA-06824-2] c 02 N71-11037
- SCHIFFNER, G.**
Power supply for carbon dioxide lasers
[NASA-CASE-GSC-11222-1] c 16 N73-32391
- SCHILLER, J. G.**
Method and device for the detection of phenol and related compounds
[NASA-CASE-LEW-12513-1] c 25 N79-22235
- SCHINDLER, R. A.**
Interferometer direction sensor Patent
[NASA-CASE-NPO-10320] c 14 N71-17655
- Interferometer servo system Patent
[NASA-CASE-NPO-10300] c 14 N71-17662
- Single reflector interference spectrometer and drive system therefor
[NASA-CASE-NPO-11932-1] c 35 N74-23040
- Interferometer mirror tilt correcting system
[NASA-CASE-NPO-13687-1] c 35 N78-18391
- Over-under double-pass interferometer
[NASA-CASE-NPO-13999-1] c 35 N78-18395
- Apparatus for providing a servo drive signal in a high-speed stepping interferometer
[NASA-CASE-NPO-13569-2] c 35 N79-14348
- Velocity servo for continuous scan Fourier interference spectrometer
[NASA-CASE-NPO-14093-1] c 35 N80-20563
- Interferometer
[NASA-CASE-NPO-14448-1] c 74 N81-29963
- SCHLESINGER, F. W.**
Optical alignment system Patent
[NASA-CASE-XNP-02029] c 14 N70-41955
- SCHLOSS, A. L.**
Solid state switch
[NASA-CASE-XNP-09228] c 09 N69-27500
- SCHMIDT, E. E.**
Caterpillar micro positioner
[NASA-CASE-GSC-10780-1] c 14 N72-16283
- SCHMIDT, H. W.**
Conical valve plug Patent
[NASA-CASE-XLE-00715] c 15 N70-34859
- Fluid coupling Patent
[NASA-CASE-XLE-00397] c 15 N70-36492
- SCHMIDT, K. C.**
Radiation and particle detector and amplifier
[NASA-CASE-NPO-12128-1] c 14 N73-32317
- SCHMIDT, L. F.**
Photosensitive device to detect bearing deviation Patent
[NASA-CASE-XNP-00438] c 21 N70-35089
- Light sensor
[NASA-CASE-NPO-11311] c 14 N72-25414
- Sun direction detection system
[NASA-CASE-NPO-13722-1] c 74 N77-22951
- SCHMIDT, R.**
Reactance control system Patent
[NASA-CASE-XNP-01598] c 21 N71-15583
- SCHMIDT, R. F.**
Monopulse system with an electronic scanner
[NASA-CASE-XGS-05582] c 07 N69-27460
- Electronic scanning of 2-channel monopulse patterns Patent
[NASA-CASE-GSC-10299-1] c 09 N71-24804
- Dish antenna having switchable beamwidth
[NASA-CASE-GSC-11760-1] c 33 N75-19516
- Single frequency, two feed dish antenna having switchable beamwidth
[NASA-CASE-GSC-11968-1] c 32 N76-15329
- Variable beamwidth antenna
[NASA-CASE-GSC-11862-1] c 32 N76-18295
- Switchable beamwidth monopulse method and system
[NASA-CASE-GSC-11924-1] c 33 N76-27472
- Focal axis resolver for offset reflector antennas
[NASA-CASE-GSC-12630-1] c 33 N83-36355
- SCHMIDT, W. G.**
Ammonium perchlorate composite propellant containing an organic transitional metal chelate catalytic additive Patent
[NASA-CASE-LAR-10173-1] c 27 N71-14090
- SCHMITT, A. L.**
Sun angle calculator
[NASA-CASE-MS-C-12617-1] c 35 N76-29552
- SCHMITZ, B. W.**
Trajectory-correction propulsion system Patent
[NASA-CASE-XNP-01104] c 28 N70-39931
- SCHMITZ, F. H.**
Acoustically swept rotor
[NASA-CASE-ARC-11106-1] c 05 N80-14107
- SCHNEIDER, R. T.**
Non-equilibrium radiation nuclear reactor
[NASA-CASE-HQN-10841-1] c 73 N78-19920
- Safety flywheel
[NASA-CASE-HQN-10888-1] c 44 N79-14527
- SCHNEIDER, W. C.**
Auger attachment method for insulation
[NASA-CASE-MS-C-12615-1] c 37 N76-19437
- Diced tile thermal protection for spacecraft
[NASA-CASE-MS-C-16366-1] c 24 N79-23142
- SCHNITZER, E.**
Inflatable honeycomb Patent
[NASA-CASE-XLA-00204] c 32 N70-36536
- Manned space station Patent
[NASA-CASE-XLA-00258] c 31 N70-38676
- Method of making inflatable honeycomb Patent
[NASA-CASE-XLA-03492] c 15 N71-22713
- SCHNOPPER, H. W.**
Dual purpose optical instrument capable of simultaneously acting as spectrometer and diffractometer
[NASA-CASE-XNP-05231] c 14 N73-28491
- SCHOEN, A. H.**
Honeycomb panels formed of minimal surface periodic tubule layers
[NASA-CASE-ERC-10364] c 18 N72-25540
- Honeycomb core structures of minimal surface tubule sections
[NASA-CASE-ERC-10363] c 18 N72-25541
- Expandable space frames
[NASA-CASE-ERC-10365-1] c 31 N73-32749
- SCHOLL, J. A.**
Method of forming shapes from planar sheets of thermosetting materials
[NASA-CASE-NPO-11036] c 15 N72-24522
- SCHOMBURG, C.**
Densification of porous refractory substrates
[NASA-CASE-MS-C-18737-1] c 24 N83-13171
- High temperature silicon carbide impregnated insulating fabrics
[NASA-CASE-MS-C-18832-1] c 27 N83-18908

SCHORUM, S. W.

High speed binary to decimal conversion system Patent
[NASA-CASE-XGS-01230] c 08 N71-19544

SCHRADER, J. H.

Multiple input radio receiver Patent
[NASA-CASE-XLA-00901] c 07 N71-10775

Cooperative Doppler radar system Patent
[NASA-CASE-LAR-10403] c 21 N71-11766

Apparatus for aiding a pilot in avoiding a midair collision between aircraft
[NASA-CASE-LAR-10717-1] c 21 N73-30641

SCHREDER, K. D.

Broadband stable power multiplier Patent
[NASA-CASE-XNP-10854] c 10 N71-26331

SCHROEDER, J. E.

Absorbable susceptor joining of ceramic surfaces
[NASA-CASE-NPO-15640-1] c 27 N83-19904

SCHUBERT, F. H.

Iodine generator for reclaimed water purification
[NASA-CASE-MSC-14632-1] c 54 N78-14784

SCHUBERT, W. W.

Enhancement of in vitro guayule propagation
[NASA-CASE-NPO-15213-1] c 51 N83-17045

SCHUERER, P. H.

Sprayable low density ablator and application process
[NASA-CASE-MFS-23506-1] c 24 N78-24290

SCHULLER, F. T.

Journal bearings
[NASA-CASE-LEW-11076-1] c 37 N74-21061

Journal Bearings
[NASA-CASE-LEW-11076-2] c 37 N74-32921

Lubricated journal bearing
[NASA-CASE-LEW-11076-3] c 37 N75-30562

Fluid journal bearings
[NASA-CASE-LEW-11076-4] c 37 N76-15461

SCHULTZ, D. F.

Heat pipes to reduce engine exhaust emissions
[NASA-CASE-LEW-12590-1] c 25 N81-19245

Steam cooled rich-burn combustor liner
[NASA-CASE-LEW-13609-1] c 25 N83-17628

SCHUMACHER, L. L.

Wide angle sun sensor
[NASA-CASE-NPO-13327-1] c 35 N75-23910

SCHUSTER, D. M.

Antenna beam-shaping apparatus Patent
[NASA-CASE-XNP-00611] c 09 N70-35219

Parabolic reflector horn feed with spillover correction Patent
[NASA-CASE-XNP-00540] c 09 N70-35382

Insertion loss measuring apparatus having transformer means connected across a pair of bolometers Patent
[NASA-CASE-XNP-01193] c 10 N71-16057

SCHUSTER, M. A.

Solid state television camera system Patent
[NASA-CASE-XMF-06092] c 07 N71-24612

SCHUTT, J. B.

Alkali-metal silicate protective coating
[NASA-CASE-XGS-04119] c 18 N69-39979

Fire resistant coating composition Patent
[NASA-CASE-GSC-10072] c 18 N71-14014

Method for etching copper Patent
[NASA-CASE-XGS-06306] c 17 N71-16044

Alkali metal silicate protective coating Patent
[NASA-CASE-XGS-04799] c 18 N71-24183

Phototropic composition of matter
[NASA-CASE-XGS-03736] c 14 N72-22443

Potassium silicate zinc coatings
[NASA-CASE-GSC-10361-1] c 18 N72-23581

Ultraviolet light reflective coating
[NASA-CASE-GSC-11786-1] c 24 N76-24363

Remote sensing of vegetation and soil using microwave ellipsometry
[NASA-CASE-GSC-11976-1] c 43 N78-10529

Alkali-metal silicate binders and methods of manufacture
[NASA-CASE-GSC-12303-1] c 24 N79-31347

SCHUTZENHOFER, L. A.

Apparatus for reducing aerodynamic noise in a wind tunnel
[NASA-CASE-MFS-23099-1] c 09 N76-23273

SCHWAB, W. B.

Closed loop spray cooling apparatus
[NASA-CASE-LEW-11981-1] c 31 N78-17237

Closed loop spray cooling apparatus
[NASA-CASE-LEW-11981-2] c 34 N79-20336

SCHWARTZ, I. R.

Abating exhaust noises in jet engines
[NASA-CASE-ARC-10712-1] c 07 N74-33218

SCHWARZ, F. C.

Saturation current protection apparatus for saturable core transformers Patent
[NASA-CASE-ERC-10075] c 09 N71-24800

Unsaturating saturable core transformer Patent
[NASA-CASE-ERC-10125] c 09 N71-24893

Saturation current protection apparatus for saturable core transformers
[NASA-CASE-ERC-10075-2] c 09 N72-22196

Load-insensitive electrical device
[NASA-CASE-XER-11046] c 09 N72-22203

Analog Signal to Discrete Time Interval Converter (ASDTIC)
[NASA-CASE-ERC-10048] c 09 N72-25251

Controllable load insensitive power converters
[NASA-CASE-ERC-10268] c 09 N72-25252

Load insensitive electrical device
[NASA-CASE-XER-11046-2] c 33 N74-22864

SCHWINGHAMER, R. J.
Angular measurement system Patent
[NASA-CASE-XMF-00447] c 14 N70-33179

Space vehicle electrical system Patent
[NASA-CASE-XMF-00517] c 03 N70-34157

Electrical discharge apparatus for forming Patent
[NASA-CASE-XMF-00375] c 15 N70-34249

Electro-optical alignment control system Patent
[NASA-CASE-XMF-00908] c 14 N70-40238

Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114] c 15 N71-17650

Magnetomotive metal working device Patent
[NASA-CASE-XMF-03793] c 15 N71-24833

Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114-3] c 15 N71-24865

Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114-2] c 15 N71-26148

SCHWUTTKKE, G. H.
Growth of silicon carbide crystals on a seed while pulling silicon crystals from a melt
[NASA-CASE-NPO-13969-1] c 76 N79-23798

Method of increasing minority carrier lifetime in silicon web or the like
[NASA-CASE-NPO-15530-1] c 76 N83-35888

SCIACCA, T. P.
Device for measuring electron-beam intensities and for subjecting materials to electron irradiation in an electron microscope
[NASA-CASE-XGS-01725] c 14 N69-39982

SCOGGINS, J. R.
Meteorological balloon Patent
[NASA-CASE-XMF-04163] c 02 N71-23007

SCOPELIANOS, A. G.
Process for the preparation of polycarbonylphosphazenes
[NASA-CASE-ARC-11176-2] c 27 N81-27271

Carbonylcyclotriphosphazenes and their polymers
[NASA-CASE-ARC-11176-1] c 27 N82-18389

Carbonylmethylene-substituted phosphazenes, polymers thereof and process for the production thereof
[NASA-CASE-ARC-11370-1] c 27 N83-25884

SCOTT, C. E.
Magnifying scratch gage force transducer
[NASA-CASE-LAR-10496-1] c 14 N72-22437

SCOTT, C. N.
Inflatable transpiration cooled nozzle
[NASA-CASE-MFS-20619] c 28 N72-11708

SCOTT, D. R.
Electrical self-aligning connector
[NASA-CASE-MFS-25211-1] c 33 N80-32651

Solar tracking system
[NASA-CASE-MFS-23999-1] c 44 N81-24520

Electrical self-aligning connector
[NASA-CASE-MFS-25211-2] c 33 N83-29592

SCOTT, R. F.
Burrowing apparatus
[NASA-CASE-XNP-07169] c 15 N73-32362

SCOTT, R. R.
Solar cell including second surface mirrors Patent
[NASA-CASE-NPO-10109] c 03 N71-11049

SCOTT, S. G.
Nonmagnetic thermal motor for a magnetometer
[NASA-CASE-XAR-03786] c 09 N69-21313

SCOTT, W. L.
Tactile sensing means for prosthetic limbs
[NASA-CASE-MFS-16570-1] c 05 N73-32013

SCOW, J.
Multiple circuit switch apparatus with improved pivot actuator structure Patent
[NASA-CASE-XAC-03777] c 10 N71-15909

SCROOP, F. R.
Relief container
[NASA-CASE-XMS-06761] c 05 N69-23192

SCUDDER, L. R.
Application of semiconductor diffusants to solar cells by screen printing
[NASA-CASE-LEW-12775-1] c 44 N79-11468

SCULLY, P. T.
Collapsible reflector Patent
[NASA-CASE-XMS-03454] c 09 N71-20658

SEA, R. G.

Junction range finder
[NASA-CASE-KSC-10108] c 14 N73-25461

SEABAUGH, A. C.

Controlled in situ etch-back
[NASA-CASE-NPO-15625-1] c 76 N83-20789

SEAMAN, C. H.

Method and apparatus for Doppler frequency modulation of radiation
[NASA-CASE-NPO-14524-1] c 32 N80-24510

SEATON, A. F.

Phase multiplying electronic scanning system Patent
[NASA-CASE-NPO-10302] c 10 N71-26142

Virtual wall slot circularly polarized planar array antenna
[NASA-CASE-NPO-10301] c 07 N72-11148

Conical reflector antenna
[NASA-CASE-NPO-10303] c 07 N72-22127

SEATON, S. L.

Electrostatic plasma modulator for space vehicle re-entry communication Patent
[NASA-CASE-XLA-01400] c 07 N70-41331

Means for communicating through a layer of ionized gases Patent
[NASA-CASE-XLA-01127] c 07 N70-41372

Method for measuring the characteristics of a gas Patent
[NASA-CASE-XLA-03375] c 16 N71-24074

Laser calibrator Patent
[NASA-CASE-XLA-03410] c 16 N71-25914

SEAY, B. P., JR.

Burst synchronization detection system Patent
[NASA-CASE-XMS-05605-1] c 10 N71-19468

SEBACHER, D. I.

Solar hydrogen generator
[NASA-CASE-LAR-11361-1] c 44 N77-22607

SECKEL, E.

Integrated lift/drag controller for aircraft
[NASA-CASE-ARC-10456-1] c 05 N75-12930

SECRETAN, L.

Rotary bead dropper and selector for testing micrometeorite detectors Patent
[NASA-CASE-XGS-03304] c 09 N71-22988

SEEGMILLER, H. L. B.

Inertia diaphragm pressure transducer Patent
[NASA-CASE-XAC-02981] c 14 N71-21072

SEIDEL, B. L.

Antenna feed system for receiving circular polarization and transmitting linear polarization
[NASA-CASE-NPO-14362-1] c 32 N80-16261

SEIDENBERG, B.

Method and apparatus for determining the contents of contained gas samples
[NASA-CASE-GSC-10903-1] c 14 N73-12444

Low outgassing polydimethylsiloxane material and preparation thereof
[NASA-CASE-GSC-11358-1] c 06 N73-26100

SEILER, E. E.

Method for leakage testing of tanks Patent
[NASA-CASE-XMF-02392] c 32 N71-24285

SEITZ, T. E.

Heat activated cell with alkali anode and alkali salt electrolyte Patent
[NASA-CASE-LEW-11358] c 03 N71-26084

SEITZINGER, V. F.

Unfired-ceramic flame-resistant insulation and method of making the same Patent
[NASA-CASE-NPO-01030] c 18 N70-41583

Ceramic insulation for radiant heating environments and method of preparing the same Patent
[NASA-CASE-MFS-14253] c 33 N71-24858

SELICK, M. K.

Solar energy collection system
[NASA-CASE-NPO-13810-1] c 44 N77-32582

Non-tracking solar energy collector system
[NASA-CASE-NPO-13813-1] c 44 N78-31526

Non-tracking solar energy collector system
[NASA-CASE-NPO-13817-1] c 44 N79-11471

Solar energy receiver for a Stirling engine
[NASA-CASE-NPO-14619-1] c 44 N81-17518

Solar concentrator protective system
[NASA-CASE-NPO-15662-1] c 44 N82-28785

SELLEN, J. M., JR.

Apparatus for field strength measurement of a space vehicle Patent
[NASA-CASE-XLE-00820] c 14 N71-16014

Apparatus for measuring electric field strength on the surface of a model vehicle Patent
[NASA-CASE-XLE-02038] c 09 N71-16086

SELLERS, F. J.

Control means for a gas turbine engine
[NASA-CASE-LEW-14586-1] c 07 N83-31603

SENNOTT, J. W.

Navigation system and method
[NASA-CASE-GSC-12508-1] c 04 N81-26085

- SENSENY, R. M.**
Fire extinguishing apparatus having a slidable mass for a penetrator nozzle
[NASA-CASE-KSC-11064-1] c 31 N81-14137
- SERAFINI, T. T.**
Preparation of polyimides from mixtures of monomeric diamines and esters of polycarboxylic acids
[NASA-CASE-LEW-11325-1] c 06 N73-27980
Curing agent for polyepoxides and epoxy resins and composites cured therewith
[NASA-CASE-LEW-13226-1] c 27 N81-17260
Composition and method for making polyimide resin-reinforced fabric
[NASA-CASE-LEW-12933-1] c 27 N81-19296
Low temperature cross linking polyimides
[NASA-CASE-LEW-12876-2] c 27 N83-29392
- SETZER, D.**
Self-charging metering and dispensing device for fluids
[NASA-CASE-MSC-20275-1] c 35 N83-17856
- SEWARD, H. H.**
Compact spectroradiometer
[NASA-CASE-HQN-10683] c 14 N71-34389
Two color horizon sensor
[NASA-CASE-ERC-10174] c 14 N72-25409
- SEYFFERT, M. B.**
Controlled glass bead peening Patent
[NASA-CASE-XLA-07390] c 15 N71-18616
- SEYL, J. W.**
Dynamic Doppler simulator Patent
[NASA-CASE-XMS-05454-1] c 07 N71-12391
- SHACK, R. V.**
Optical system
[NASA-CASE-NPO-15801-1] c 74 N83-25541
- SHADY, D. L.**
Device for tensioning test specimens within an hermetically sealed chamber
[NASA-CASE-MFS-23281-1] c 35 N77-22450
- SHAEFER, D. H.**
Analog to digital converter for two-dimensional radiant energy array computers
[NASA-CASE-GSC-11839-3] c 60 N77-32731
- SHAFFER, J. I.**
Solid propellant rocket motor nozzle
[NASA-CASE-NPO-11458] c 28 N72-23810
Solid propellant rocket motor
[NASA-CASE-NPO-11559] c 28 N73-24784
Preparing oxidizer coated metal fuel particles
[NASA-CASE-NPO-11975-1] c 28 N74-33209
Solid propellant motor
[NASA-CASE-NPO-11458A] c 20 N78-32179
- SHAFFER, C. V.**
Active RC networks
[NASA-CASE-ARC-10042-2] c 10 N72-11256
Multiloop RC active filter apparatus having low parameter sensitivity with low amplifier gain
[NASA-CASE-ARC-10192] c 09 N72-21245
- SHAI, C. M.**
Alkali-metal silicate protective coating
[NASA-CASE-XGS-04119] c 18 N69-39979
Alkali metal silicate protective coating Patent
[NASA-CASE-XGS-04799] c 18 N71-24183
- SHAI, M. C.**
Electrically conductive thermal control coatings
[NASA-CASE-GSC-12207-1] c 24 N79-14156
- SHALHOUB, I. M.**
The 1,2,4-oxadiazole elastomers
[NASA-CASE-ARC-11253-1] c 27 N81-17262
Bifunctional monomers having terminal oxime and cyano or amidine groups
[NASA-CASE-ARC-11253-3] c 27 N81-24256
Preparation of crosslinked 1,2,4-oxadiazole polymer
[NASA-CASE-ARC-11253-2] c 27 N82-24338
- SHALTENS, R. K.**
Method and apparatus for sputtering utilizing an apertured electrode and a pulsed substrate bias
[NASA-CASE-LEW-10920-1] c 17 N73-24569
- SHANKAR, N. K.**
Ultrastable calibrated light source
[NASA-CASE-MSC-12293-1] c 14 N72-27411
- SHANKS, G. C.**
Compression test apparatus
[NASA-CASE-MSC-18723-1] c 35 N83-21312
- SHANNON, R. L.**
Plasma cleaning device
[NASA-CASE-MFS-22906-1] c 75 N78-27913
- SHANNON, R. R.**
Optical system
[NASA-CASE-NPO-15801-1] c 74 N83-25541
- SHAPIRO, H.**
Omni-directional anisotropic molecular trap Patent
[NASA-CASE-XGS-00783] c 30 N71-17788
Trap for preventing diffusion pump backstreaming
[NASA-CASE-GSC-10518-1] c 15 N72-22489
- SHARMA, G. C.**
Method for sequentially processing a multi-level interconnect circuit in a vacuum chamber
[NASA-CASE-MFS-15670-1] c 33 N82-33634
- SHARMA, M.**
Apparatus for fiber optic liquid level sensing
[NASA-CASE-MSC-18674-1] c 74 N81-24907
- SHARMA, M. M.**
Optical crystal temperature gauge with fiber optic connections
[NASA-CASE-MSC-18627-1] c 74 N82-30071
- SHARPE, M. H.**
Sprayable low density ablator and application process
[NASA-CASE-MFS-23506-1] c 24 N78-24290
Method for making an aluminum or copper substrate panel for selective absorption of solar energy
[NASA-CASE-MFS-23518-1] c 44 N79-11469
Aluminum or copper substrate panel for selective absorption of solar energy
[NASA-CASE-MFS-23518-3] c 44 N80-16452
Cork-resin ablative insulation for complex surfaces and method for applying the same
[NASA-CASE-MFS-23626-1] c 24 N80-26388
- SHATAZSKY, R.**
Tape guidance system and apparatus for the provision thereof Patent
[NASA-CASE-XNP-09453] c 08 N71-19420
- SHATTUCK, R. D.**
Protection of serially connected solar cells against open circuits by the use of shunting diode Patent
[NASA-CASE-XLE-04535] c 03 N71-23354
- SHAW, C. S.**
Exhaust flow deflector
[NASA-CASE-LAR-11570-1] c 34 N76-18364
- SHAW, D. S.**
Metric half-span model support system
[NASA-CASE-LAR-12441-1] c 09 N82-23254
- SHAW, G. C.**
Process for the leaching of AP from propellant
[NASA-CASE-NPO-14109-1] c 28 N80-23471
Recovery of aluminum from composite propellants
[NASA-CASE-NPO-14110-1] c 28 N81-15119
- SHEARER, C. H.**
Stabilized lanthanum sulphur compounds
[NASA-CASE-NPO-16135-1] c 25 N83-24572
- SHEETS, R. E.**
Detector absorptivity measuring method and apparatus
[NASA-CASE-LAR-10907-1] c 35 N76-29551
- SHEFSIEK, P. K.**
Method and apparatus for distillation of liquids Patent
[NASA-CASE-XNP-08124] c 15 N71-27184
Method for distillation of liquids
[NASA-CASE-XNP-08124-2] c 06 N73-13129
- SHEIBLEY, D. W.**
Gels as battery separators for soluble electrode cells
[NASA-CASE-LEW-12364-1] c 44 N77-22606
Inorganic-organic separators for alkaline batteries
[NASA-CASE-LEW-12649-1] c 44 N78-25530
Formulated plastic separators for soluble electrode cells
[NASA-CASE-LEW-12358-1] c 44 N79-17313
In situ self cross-linking of polyvinyl alcohol battery separators
[NASA-CASE-LEW-12972-1] c 44 N79-25481
Method of cross-linking polyvinyl alcohol and other water soluble resins
[NASA-CASE-LEW-13103-1] c 27 N80-32516
In-situ cross linking of polyvinyl alcohol
[NASA-CASE-LEW-13135-2] c 27 N81-24257
Additive for zinc electrodes
[NASA-CASE-LEW-13286-1] c 44 N81-27597
Polyvinyl alcohol battery separator containing inert filler
[NASA-CASE-LEW-13556-1] c 44 N81-27615
Cross-linked polyvinyl alcohol and method of making same
[NASA-CASE-LEW-13101-2] c 23 N81-29160
Alkaline battery containing a separator of a cross-linked copolymer of vinyl alcohol and unsaturated carboxylic acid
[NASA-CASE-LEW-13102-1] c 44 N81-29531
Method of making formulated plastic separators for soluble electrode cells
[NASA-CASE-LEW-12358-2] c 25 N82-21268
Advanced inorganic separators for alkaline batteries
[NASA-CASE-LEW-13171-1] c 44 N82-29708
Polyvinyl alcohol cross-linked with two aldehydes
[NASA-CASE-LEW-13504-1] c 25 N83-13188
Polyvinyl alcohol battery separator containing inert filler
[NASA-CASE-LEW-13556-2] c 44 N83-29805
Advanced inorganic separators for alkaline batteries and method of making the same
[NASA-CASE-LEW-13171-2] c 44 N83-32176
- SHELPUK, B.**
Double-sided solar cell package
[NASA-CASE-NPO-14199-1] c 44 N79-25482
- SHELTON, G. B.**
Notch filter
[NASA-CASE-MFS-23303-1] c 32 N77-18307
System for the measurement of ultra-low stray light levels
[NASA-CASE-MFS-23513-1] c 74 N79-11865
- SHELTON, J. P., JR.**
Monopulse tracking system Patent
[NASA-CASE-XGS-01155] c 10 N71-21483
- SHELTON, R. D.**
Electron beam instrument for measuring electric fields Patent
[NASA-CASE-XMF-10289] c 14 N71-23699
- SHEPARD, C. E.**
Electric arc apparatus Patent
[NASA-CASE-XAC-01677] c 09 N71-20816
- SHEPARD, L. F.**
Space suit
[NASA-CASE-MSC-12609-1] c 05 N73-32012
- SHEPARD, N. F., JR.**
Solar cell module
[NASA-CASE-NPO-14467-1] c 44 N79-31753
- SHEPARD, S. K.**
Peak polarity selector Patent
[NASA-CASE-FRC-10010] c 10 N71-24862
- SHER, A.**
Photocapacitive image converter
[NASA-CASE-LAR-12513-1] c 44 N82-32841
- SHERBURNE, A. E.**
Capacitive tank gaging apparatus being independent of liquid distribution
[NASA-CASE-MFS-21629] c 14 N72-22442
- SHERFEY, J. M.**
Bonded elastomeric seal for electrochemical cells Patent
[NASA-CASE-XGS-02631] c 03 N71-23006
Frangible electrochemical cell
[NASA-CASE-XGS-10010] c 03 N72-15986
Process for making sheets with parallel pores of uniform size
[NASA-CASE-GSC-10984-1] c 37 N75-26371
- SHERMAN, A.**
Annular slit colloid thruster Patent
[NASA-CASE-GSC-10709-1] c 28 N71-25213
Stirling cycle cryogenic cooler
[NASA-CASE-GSC-12697-1] c 31 N82-11312
Stirling cycle cryogenic cooler
[NASA-CASE-LAR-12697-1] c 44 N83-28574
Cooling by conversion of para to ortho-hydrogen
[NASA-CASE-GSC-12770-1] c 25 N83-29324
- SHERWIN, E. J.**
Bonding thermoelectric elements to nonmagnetic refractory metal electrodes
[NASA-CASE-XGS-04554] c 15 N69-39786
- SHETH, S.**
Flame retardant spandex type polyurethanes
[NASA-CASE-MSC-14331-2] c 27 N78-17213
Process for spinning flame retardant elastomeric compositions
[NASA-CASE-MSC-14331-3] c 27 N78-32262
- SHETH, S. G.**
Non-flammable elastomeric fiber from a fluorinated elastomer and containing an halogenated flame retardant
[NASA-CASE-MSC-14331-1] c 27 N76-24405
- SHEWMAKE, G. A.**
Life raft Patent
[NASA-CASE-XMS-00863] c 05 N70-34857
Life preserver Patent
[NASA-CASE-XMS-00864] c 05 N70-36493
Inflatable radar reflector unit Patent
[NASA-CASE-XMS-00893] c 07 N70-40063
Rescue litter flotation assembly Patent
[NASA-CASE-XMS-04170] c 05 N71-22748
- SHIEBER, H.**
Prestressed refractory structure Patent
[NASA-CASE-XNP-02888] c 18 N71-21068
- SHIGEMOTO, F. H.**
Laser fluid velocity detector Patent
[NASA-CASE-XAC-10770-1] c 16 N71-24828
- SHILLINGER, G. L., JR.**
Spring operated accelerator and constant force spring mechanism therefor
[NASA-CASE-ARC-10898-1] c 35 N77-18417
- SHIM, I. H.**
Recorder/processor apparatus
[NASA-CASE-GSC-11553-1] c 35 N74-15831
- SHIMA, R.**
Multitarget sequential sputtering apparatus
[NASA-CASE-NPO-13345-1] c 37 N75-19684
- SHIMADA, K.**
Thermionic diode switch Patent
[NASA-CASE-NPO-10404] c 03 N71-12255

- Cavity emitter for thermionic converter Patent
[NASA-CASE-NPO-10412] c 09 N71-28421
- Thermal to electrical power conversion system with solid-state switches with Seebeck effect compensation
[NASA-CASE-NPO-11388] c 03 N72-23048
- Electric power generation system directory from laser power
[NASA-CASE-NPO-13308-1] c 36 N75-30524
- Thermostatically controlled non-tracking type solar energy concentrator
[NASA-CASE-NPO-13497-1] c 44 N76-14602
- SHIMANSKY, R. A.**
Safety shield for vacuum/pressure chamber viewing port
[NASA-CASE-GSC-12513-1] c 31 N81-19343
- SHIMIZU, M.**
Non-invasive method and apparatus for measuring pressure within a pliable vessel
[NASA-CASE-ARC-11264-1] c 52 N81-33804
- Non-invasive method and apparatus for measuring pressure within a pliable vessel
[NASA-CASE-ARC-11264-2] c 52 N83-29991
- SHIMODA, K.**
Method and apparatus for stabilizing a gaseous optical maser Patent
[NASA-CASE-XGS-03644] c 16 N71-18614
- SHIRA, C. S.**
Method of heat treating age-hardenable alloys
[NASA-CASE-XNP-01311] c 26 N75-29236
- SHIRE, L. I.**
Direct heating surface combustor
[NASA-CASE-LEW-11877-1] c 34 N78-27357
- SHLICHTA, P. J.**
Method and apparatus for growth of crystals by pressure reduction of supercritical or subcritical solution
[NASA-CASE-NPO-15772-1] c 76 N82-23031
- Glass heating panels and method for preparing the same from architectural reflective glass
[NASA-CASE-NPO-15753-1] c 33 N82-23396
- Electromigration process for the purification of molten silicon during crystal growth
[NASA-CASE-NPO-14831-1] c 76 N82-30105
- Absorbable susceptor joining of ceramic surfaces
[NASA-CASE-NPO-15640-1] c 27 N83-19904
- Method of making macrocrystalline or single crystal semiconductor material and products produced thereby
[NASA-CASE-NPO-15904-1] c 76 N83-21993
- SHLOSINGER, A. P.**
Heat pipe with dual working fluids
[NASA-CASE-ARC-10198] c 34 N78-17336
- Multi-chamber controllable heat pipe
[NASA-CASE-ARC-10199] c 34 N78-17337
- SHORE, P. W.**
Doppler radar having phase modulation of both transmitted and reflected return signals
[NASA-CASE-MSC-18675-1] c 32 N81-29312
- SHORES, P. W.**
Position determination systems
[NASA-CASE-MSC-12593-1] c 17 N76-21250
- SHORTIDGE, S. R.**
Switching circuit employing regeneratively connected complementary transistors Patent
[NASA-CASE-XNP-02654] c 10 N70-42032
- SHRIVER, C. B.**
Method of making a filament-wound container Patent
[NASA-CASE-XLE-03803-2] c 15 N71-17651
- Filament wound container Patent
[NASA-CASE-XLE-03803] c 15 N71-23816
- Panelized high performance multilayer insulation Patent
[NASA-CASE-MFS-14023] c 33 N71-25351
- SHRIVER, C. L.**
Multichannel logarithmic RF level detector
[NASA-CASE-LAR-11021-1] c 32 N76-14321
- SHRIVER, E. L.**
Apparatus for determining the deflection of an electron beam impinging on a target Patent
[NASA-CASE-XMF-06617] c 09 N71-24843
- Shock wave convergence apparatus
[NASA-CASE-MFS-20890] c 14 N72-22439
- Self-energized plasma compressor
[NASA-CASE-MFS-22145-1] c 75 N75-13625
- Two stage light gas-plasma projectile accelerator
[NASA-CASE-MFS-22287-1] c 75 N76-14931
- Self-energized plasma compressor
[NASA-CASE-MFS-22145-2] c 75 N76-17951
- Semiconductor projectile impact detector
[NASA-CASE-MFS-23008-1] c 35 N78-18390
- SHROCK, C. G.**
Determination of antimicrobial susceptibilities on infected unnes without isolation
[NASA-CASE-GSC-12046-1] c 52 N79-14750
- SHUBE, E. E.**
Nose cone mounted heat resistant antenna Patent
[NASA-CASE-XMS-04312] c 07 N71-22984
- SHULL, T. A.**
Digital demodulator
[NASA-CASE-LAR-12659-1] c 33 N82-26570
- SHULMAN, A. R.**
Method and apparatus for eliminating coherent noise in a coherent energy imaging system without destroying spatial coherence
[NASA-CASE-GSC-11133-1] c 23 N72-11568
- Method and apparatus for producing an image from a transparent object
[NASA-CASE-GSC-11989-1] c 74 N77-28932
- SHUMATE, M. S.**
Method and apparatus for aligning a laser beam projector Patent
[NASA-CASE-NPO-11087] c 23 N71-29125
- Differential optoacoustic absorption detector
[NASA-CASE-NPO-13759-1] c 74 N78-17867
- Method and apparatus for Doppler frequency modulation of radiation
[NASA-CASE-NPO-14524-1] c 32 N80-24510
- Stark cell optoacoustic detection of constituent gases in sample
[NASA-CASE-NPO-14143-1] c 25 N81-14015
- SHUMKA, A.**
Space-charge-limited solid-state diode
[NASA-CASE-NPO-13064-1] c 33 N79-11314
- Synchronized voltage contrast display analysis system
[NASA-CASE-NPO-14567-1] c 33 N83-18996
- SHURE, L. I.**
Protected isotope heat source
[NASA-CASE-LEW-11227-1] c 73 N75-30876
- SHUTE, D. I.**
Reference apparatus for medical ultrasonic transducer
[NASA-CASE-ARC-10753-1] c 54 N75-27760
- SIDMAN, K. R.**
Non-flammable elastomeric fiber from a fluorinated elastomer and containing an halogenated flame retardant
[NASA-CASE-MSC-14331-1] c 27 N76-24405
- Flame retardant spandex type polyurethanes
[NASA-CASE-MSC-14331-2] c 27 N78-17213
- Process for spinning flame retardant elastomeric compositions
[NASA-CASE-MSC-14331-3] c 27 N78-32262
- Heat sealable, flame and abrasion resistant coated fabric
[NASA-CASE-MSC-18382-1] c 27 N82-16238
- Heat sealable, flame and abrasion resistant coated fabric
[NASA-CASE-MSC-18382-2] c 27 N82-24344
- Heat resistant protective hand covering
[NASA-CASE-MSC-20261-1] c 54 N82-32985
- Heat resistant protective hand covering
[NASA-CASE-MSC-20261-2] c 54 N82-32986
- SIDORAK, L. G.**
Solar cell shingle
[NASA-CASE-LEW-12587-1] c 44 N77-31601
- SIEBERT, C. J.**
Flexible/rigidifiable cable assembly
[NASA-CASE-MSC-13512-1] c 15 N72-22485
- SIEGEL, B.**
Resonant infrasonic gauging apparatus
[NASA-CASE-MSC-11847-1] c 14 N72-11363
- SIEGEL, C. M.**
Epitaxial thinning process
[NASA-CASE-NPO-15786-1] c 25 N82-26397
- SIEGMAN, A. E.**
Laser system with an antiresonant optical ring
[NASA-CASE-HQN-10844-1] c 36 N75-19653
- SIERADSKI, L. M.**
Mass spectrometer with magnetic pole pieces providing the magnetic fields for both the magnetic sector and an ion-type vacuum pump
[NASA-CASE-NPO-13663-1] c 35 N77-14406
- SIEVERS, M. W.**
A general logic structure for custom LSI circuits
[NASA-CASE-NPO-14410-1] c 33 N79-25314
- High-speed data link for moderate distances and noisy environments
[NASA-CASE-NPO-14152-1] c 32 N80-18252
- General logic structure for custom LSI circuits
[NASA-CASE-NPO-14410-2] c 33 N82-25440
- SIEWERT, R. D.**
Fine particulate capture device
[NASA-CASE-LEW-11583-1] c 35 N79-17192
- SIGFRED, J.**
Length controlled stabilized mode-lock ND YAG laser
[NASA-CASE-GSC-11571-1] c 36 N77-25499
- SIGNORELLI, R. A.**
Reinforced metallic composites Patent
[NASA-CASE-XLE-02428] c 17 N70-33288
- Method of making fiber reinforced metallic composites Patent
[NASA-CASE-XLE-00231] c 17 N70-38198
- Method of making fiber composites
[NASA-CASE-LEW-10424-2-2] c 18 N72-25539
- SIKORA, P. F.**
High temperature testing apparatus Patent
[NASA-CASE-XLE-00335] c 14 N70-35368
- SIKORRA, D. J.**
Apparatus for overcurrent protection of a push-pull amplifier Patent
[NASA-CASE-MSC-12033-1] c 09 N71-13531
- SILVER, R. H.**
Means and method of measuring viscoelastic strain Patent
[NASA-CASE-XNP-01153] c 32 N71-17645
- Miniature stress transducer Patent
[NASA-CASE-XNP-02983] c 14 N71-21091
- Apparatus for remote measurement of displacement of marks on a specimen undergoing a tensile test
[NASA-CASE-NPO-10778] c 14 N72-11364
- Subminiature insertable force transducer
[NASA-CASE-NPO-13423-1] c 33 N75-31329
- Strain gage mounting assembly
[NASA-CASE-NPO-13170-1] c 35 N76-14430
- Miniature muscle displacement transducer
[NASA-CASE-NPO-13519-1] c 33 N76-19338
- Myocardium wall thickness transducer and measuring method
[NASA-CASE-NPO-13844-1] c 52 N76-29895
- Catheter tip force transducer for cardiovascular research
[NASA-CASE-NPO-13643-1] c 52 N76-29896
- SILVERMAN, J. R.**
Programmable telemetry system Patent
[NASA-CASE-GSC-10131-1] c 07 N71-24624
- SILVERTSON, W. E., JR.**
Logical function generator
[NASA-CASE-XLA-05099] c 09 N73-13209
- SIMAS, V. R.**
Optimum predetection diversity receiving system Patent
[NASA-CASE-XGS-00740] c 07 N71-23098
- SIMMONDS, M. R.**
Self-contained breathing apparatus
[NASA-CASE-MSC-14733-1] c 54 N76-24900
- SIMMONDS, P. G.**
Atmospheric sampling devices
[NASA-CASE-NPO-11373] c 13 N72-25323
- Electrolytic gas operated actuator
[NASA-CASE-NPO-11369] c 15 N73-13467
- Compact hydrogenator
[NASA-CASE-NPO-11682-1] c 35 N74-15127
- SIMMONS, G. M.**
Preparing oxidizer coated metal fuel particles
[NASA-CASE-NPO-11975-1] c 28 N74-33209
- SIMMONS, W. H.**
Indexed keyed connection Patent
[NASA-CASE-XMS-02532] c 15 N70-41808
- SIMON, M. K.**
Data-aided carrier tracking loops
[NASA-CASE-NPO-11282] c 10 N73-16205
- Decision feedback loop for tracking a polyphase modulated carrier
[NASA-CASE-NPO-13103-1] c 32 N74-20811
- Coherent receiver employing nonlinear coherence detection for carrier tracking
[NASA-CASE-NPO-11921-1] c 32 N74-30523
- SIMON, S. L.**
Temperature reducing coating for metals subject to flame exposure Patent
[NASA-CASE-XLE-00035] c 33 N71-29151
- SIMPKINS, L. G.**
Television multiplexing system
[NASA-CASE-KSC-10654-1] c 07 N73-30115
- SIMPSON, J. G.**
Solar concentrator
[NASA-CASE-MFS-23727-1] c 44 N80-14473
- SIMPSON, W. E.**
Radiator deployment actuator Patent
[NASA-CASE-MSC-11817-1] c 15 N71-26611
- SIMPSON, W. G.**
Space environmental work simulator Patent
[NASA-CASE-XMF-07488] c 11 N71-18773
- Stud-bonding gun
[NASA-CASE-MFS-20299] c 15 N72-11392
- Mixing insert for foam dispensing apparatus
[NASA-CASE-MFS-20607-1] c 37 N76-19436
- Sprayable low density ablator and application process
[NASA-CASE-MFS-23506-1] c 24 N78-24290
- Cork-resin ablative insulation for complex surfaces and method for applying the same
[NASA-CASE-MFS-23626-1] c 24 N80-26388
- SIMS, C. R.**
Multi axes vibration fixtures
[NASA-CASE-MFS-20242] c 14 N73-19421
- SINCLAIR, A. R.**
Ablation sensor Patent
[NASA-CASE-XLA-01791] c 14 N71-22991

- Laser communication system for controlling several functions at a location remote to the laser
[NASA-CASE-LAR-10311-1] c 16 N73-16536
Automatic focus control for facsimile cameras
[NASA-CASE-LAR-11213-1] c 35 N75-15014
- SINGER, S.**
Nuclear alkylated pyridine aldehyde polymers and conductive compositions thereof
[NASA-CASE-NPO-10557] c 27 N78-17214
- SINGH, J. J.**
Mossbauer spectrometer radiation detector
[NASA-CASE-LAR-11155-1] c 35 N74-15091
A low energy electron magnetometer
[NASA-CASE-LAR-12706-1] c 35 N81-19428
A radionuclide counting technique for measuring wind velocity and direction
[NASA-CASE-LAR-12971-1] c 47 N83-14863
- SINHA, M. P.**
Particle analyzing method and apparatus
[NASA-CASE-NPO-15292-1] c 35 N83-27184
- SIROCKY, P. J.**
Apparatus for transferring cryogenic liquids Patent
[NASA-CASE-XLE-00345] c 15 N70-38020
- SIVERTSON, W. E., JR.**
Adaptive compression of communication signals Patent
[NASA-CASE-XLA-03076] c 07 N71-11266
Rate data encoder
[NASA-CASE-LAR-10128-1] c 08 N73-20217
Method of locating persons in distress
[NASA-CASE-LAR-11390-1] c 32 N77-21267
Radar target for remotely sensing hydrological phenomena
[NASA-CASE-LAR-12344-1] c 43 N80-18498
- SIVITER, J. H., JR.**
Micrometeoroid penetration measuring device Patent
[NASA-CASE-XLA-00941] c 14 N71-23240
- SIVLEY, J. B.**
Phase locked phase modulator including a voltage controlled oscillator Patent
[NASA-CASE-XNP-05382] c 10 N71-23544
- SIZEMORE, K. O.**
Method and apparatus for battery charge control Patent
[NASA-CASE-XGS-05432] c 03 N71-19438
- SLATER, R. J.**
Traveling sealer for contoured table Patent
[NASA-CASE-XLA-01494] c 15 N71-24164
- SLAYDEN, M. D.**
Pulse amplitude and width detector Patent
[NASA-CASE-XMF-06519] c 09 N71-12519
Pulse rise time and amplitude detector Patent
[NASA-CASE-XMF-08804] c 09 N71-24717
- SLEEMAN, W. C., JR.**
Control for flexible parawing Patent
[NASA-CASE-XLA-06958] c 02 N71-11038
- SLEMP, W. S.**
Particulate and solar radiation stable coating for spacecraft
[NASA-CASE-LAR-10805-2] c 34 N77-18382
- SLIFER, L. W., JR.**
Solar cell and circuit array and process for nullifying magnetic fields Patent
[NASA-CASE-XGS-03390] c 03 N71-23187
- SLINEY, H. E.**
Bonded solid lubricant coating Patent
[NASA-CASE-XMS-00259] c 18 N70-36400
Method of making self lubricating fluoride-metal composite materials Patent
[NASA-CASE-XLE-08511-2] c 18 N71-16105
Self-lubricating fluoride metal composite materials Patent
[NASA-CASE-XLE-08511] c 18 N71-23710
Bearing material
[NASA-CASE-LEW-11930-1] c 24 N76-22309
Method of making bearing materials
[NASA-CASE-LEW-11930-4] c 24 N79-17916
Method of making bearing material
[NASA-CASE-LEW-11930-3] c 24 N80-33482
- SLOWIKOWSKI, D. F.**
Digital pulse width selection circuit Patent
[NASA-CASE-XLA-07788] c 09 N71-29139
- SMALL, J. G.**
Means for visually indicating flight paths of vehicles between the Earth, Venus, and Mercury Patent
[NASA-CASE-XNP-00708] c 14 N70-35394
- SMALL, W. J.**
Orbiter/launch system
[NASA-CASE-LAR-12250-1] c 14 N81-26161
- SMILOVITZ, K.**
Programmable scan/read circuitry for charge coupled device imaging detectors
[NASA-CASE-NPO-15345-1] c 33 N81-27403
- SMISER, L. W.**
Method for repair of thin glass coatings
[NASA-CASE-KSC-11097-1] c 27 N82-33520
- SMITH, A. B.**
Method of forming thin window drifted silicon charged particle detector Patent
[NASA-CASE-XNP-01753] c 24 N71-10560
- SMITH, C.**
Counter and shift register Patent
[NASA-CASE-XNP-01753] c 08 N71-22897
- SMITH, D.**
Brazing alloy Patent
[NASA-CASE-XNP-03063] c 17 N71-23365
- SMITH, D. L.**
Hall effect transducer
[NASA-CASE-LAR-10620-1] c 09 N72-25255
- SMITH, E. B.**
Curved centerline air intake for a gas turbine engine
[NASA-CASE-LEW-13201-1] c 07 N81-14999
- SMITH, E. W.**
Banum release system
[NASA-CASE-LAR-10670-1] c 06 N73-30097
Rocket having banum release system to create ion clouds in the upper atmosphere
[NASA-CASE-LAR-10670-2] c 15 N74-27360
- SMITH, G.**
Inflatable device for installing strain gage bridges
[NASA-CASE-FRC-11068-1] c 35 N82-24473
- SMITH, H. A.**
Spherical tank gauge Patent
[NASA-CASE-XMS-06236] c 14 N71-21007
Emergency space-suit helmet
[NASA-CASE-MSC-10954-1] c 54 N78-18761
- SMITH, H. E.**
Digital computing cardiometer
[NASA-CASE-MFS-20284-1] c 52 N74-12778
Automatic weld torch guidance control system
[NASA-CASE-MFS-25807] c 37 N83-20154
- SMITH, H. J.**
Variable resistance constant tension and lubrication device
[NASA-CASE-KSC-10723-1] c 37 N75-13265
- SMITH, J. A.**
Thermal insulation protection means
[NASA-CASE-MSC-12737-1] c 24 N79-25142
- SMITH, J. G.**
Satellite personal communications system
[NASA-CASE-NPO-14480-1] c 32 N80-20448
- SMITH, J. P.**
Energy management system for glider type vehicle Patent
[NASA-CASE-XFR-00756] c 02 N71-13421
- SMITH, J. R., JR.**
Balanced bellows spirometer
[NASA-CASE-XAR-01547] c 05 N69-21473
Temperature compensated solid state differential amplifier Patent
[NASA-CASE-XAC-00435] c 09 N70-35440
Transfer valve Patent
[NASA-CASE-XAC-01158] c 15 N71-23051
Method and apparatus for continuously monitoring blood oxygenation, blood pressure, pulse rate and the pressure pulse curve utilizing an ear oximeter as transducer Patent
[NASA-CASE-XAC-05422] c 04 N71-23185
- SMITH, J. W.**
Apparatus for damping operator induced oscillations of a controlled system
[NASA-CASE-FRC-11041-1] c 33 N82-18493
- SMITH, L.**
Low gravity phase separator
[NASA-CASE-MSC-14773-1] c 35 N78-12390
- SMITH, L. G.**
Ionospheric battery Patent
[NASA-CASE-XGS-01593] c 03 N70-35408
- SMITH, L. H., JR.**
Reverse pitch fan with divided splitter
[NASA-CASE-LEW-12760-1] c 07 N77-17059
- SMITH, L. S.**
Potentiometric sensitive circuit Patent
[NASA-CASE-XNP-00952] c 10 N71-23271
- SMITH, M.**
Silica reusable surface insulation
[NASA-CASE-ARC-10721-1] c 27 N76-22376
Fibrous refractory composite insulation
[NASA-CASE-ARC-11169-1] c 24 N79-24062
Adjustable high emittance gap filler
[NASA-CASE-ARC-11310-1] c 27 N82-24339
Spray coating apparatus having a rotatable workpiece holder
[NASA-CASE-ARC-11110-1] c 37 N82-24492
- SMITH, N. J.**
Calibrating pressure switch
[NASA-CASE-XMF-04494-1] c 33 N79-33392
- SMITH, R. W.**
Compact solar still Patent
[NASA-CASE-XMS-04533] c 15 N71-23086
- SMITH, S. F.**
Automatic oscillator frequency control system
[NASA-CASE-GSC-12804-1] c 33 N83-35228
- SMITH, T. B., III**
Display research collision warning system
[NASA-CASE-HQN-10703] c 21 N73-13643
- SMITH, W. O.**
Star tracking reticles and process for the production thereof
[NASA-CASE-GSC-11188-2] c 21 N73-19630
Star tracking reticles
[NASA-CASE-GSC-11188-1] c 14 N73-32320
Formation of star tracking reticles
[NASA-CASE-GSC-11188-3] c 74 N74-20008
- SMITH, W. R.**
Production of high purity I-123
[NASA-CASE-LEW-10518-1] c 24 N72-33681
- SMITH, W. W.**
Trajectory-correction propulsion system Patent
[NASA-CASE-XNP-01104] c 28 N70-39931
- SMOOT, G. F.**
Low gravity phase separator
[NASA-CASE-MSC-14773-1] c 35 N78-12390
- SMYLY, R. E.**
Liquid-gas separator for zero gravity environment Patent
[NASA-CASE-XMS-01492] c 05 N70-41297
- SMYLY, H. M.**
Differential pressure control
[NASA-CASE-MFS-14216] c 14 N73-13418
Prosthetic urinary sphincter
[NASA-CASE-MFS-23717-1] c 52 N81-25660
- SNEEDEN, R. J.**
Gas turbine combustion apparatus Patent
[NASA-CASE-XLE-103477-1] c 28 N71-20330
- SNODDY, L. G.**
Insert facing tool
[NASA-CASE-MFS-21485-1] c 37 N74-25968
- SNYDER, J. A.**
Injector for use in high voltage isolators for liquid feed lines
[NASA-CASE-NPO-11377] c 15 N73-27406
- SNYDER, L. M.**
Particle detection apparatus including a ballistic pendulum Patent
[NASA-CASE-XMS-04201] c 14 N71-22990
- SNYDER, R. S.**
Method of crystallization
[NASA-CASE-MFS-23001-1] c 76 N77-32919
Electrophoresis device
[NASA-CASE-MFS-25426-1] c 25 N83-10126
- SODD, V. J.**
Production of high purity I-123
[NASA-CASE-LEW-10518-1] c 24 N72-33681
- SOFFEN, G. A.**
Automated fluid chemical analyzer Patent
[NASA-CASE-XNP-09451] c 06 N71-26754
- SOHL, G.**
Focusing system for an ion source having apertured electrodes Patent
[NASA-CASE-XNP-03332] c 09 N71-10618
Ion engine casing construction and method of making same Patent
[NASA-CASE-XNP-06942] c 28 N71-23293
- SOINI, H. E.**
Apparatus for measuring thermal conductivity Patent
[NASA-CASE-XGS-01052] c 14 N71-15992
- SOKOLOWSKI, D. E.**
Heat exchanger
[NASA-CASE-LEW-12252-1] c 34 N79-13288
- SOLOMON, G.**
Error correcting method and apparatus Patent
[NASA-CASE-XNP-02748] c 08 N71-22749
- SOLTIS, D. G.**
Method of making membranes
[NASA-CASE-XNP-04264] c 03 N69-21337
Additive for zinc electrodes
[NASA-CASE-LEW-13286-1] c 44 N81-27597
Light weight nickel battery plaque
[NASA-CASE-LEW-13349-1] c 44 N82-22673
- SOMOANO, R. B.**
Durable antistatic coating for polymethylmethacrylate
[NASA-CASE-NPO-13867-1] c 27 N78-14164
- SONNENSCHN, C. M.**
Clear air turbulence detector
[NASA-CASE-MFS-21244-1] c 36 N75-15028
Focused laser Doppler velocimeter
[NASA-CASE-MFS-23178-1] c 35 N77-10493
- SONNENSCHN, G.**
Method for attaching a fused-quartz mirror to a conductive metal substrate
[NASA-CASE-MFS-23405-1] c 26 N77-29260
- SORENSEN, C. E.**
Electric arc device for heating gases Patent
[NASA-CASE-XAC-00319] c 25 N70-41628

SORENSEN, N. E.

- Wind tunnel flow generation section
[NASA-CASE-ARC-10710-1] c 09 N75-12969
- The engine air intake system
[NASA-CASE-ARC-10761-1] c 07 N77-18154
- Aircraft engine nozzle
[NASA-CASE-ARC-10777-1] c 07 N80-32392
- SOTER, E. J.**
Modification of one man life raft
[NASA-CASE-LAR-10241-1] c 54 N74-14845
- SOTHERLUND, A. W., JR.**
Single action separation mechanism Patent
[NASA-CASE-XLA-00188] c 15 N71-22874
- SOURS, W. P.**
Minimech self-deploying boom mechanism
[NASA-CASE-GSC-10566-1] c 15 N72-18477
- SOVEY, J. S.**
Modification of the electrical and optical properties of polymers
[NASA-CASE-LEW-13027-1] c 27 N80-24437
- Hydrogen hollow cathode ion source
[NASA-CASE-LEW-12940-1] c 72 N80-33186
- Ion beam textured graphite electrode plates
[NASA-CASE-LEW-12919-2] c 24 N82-26386
- Texturing polymer surfaces by transfer casting
[NASA-CASE-LEW-13120-1] c 27 N82-28440
- Surface texturing of fluoropolymers
[NASA-CASE-LEW-13028-1] c 27 N82-33521
- Ion sputter textured graphite
[NASA-CASE-LEW-12919-1] c 24 N83-10117
- Ring-cusp ion thruster with shell anode
[NASA-CASE-LEW-13881-1] c 72 N83-21903
- Thermal barrier coating system having improved adhesion
[NASA-CASE-LEW-1335901] c 27 N83-31855
- SOWA, W. W.**
Inflatable transpiration cooled nozzle
[NASA-CASE-MFS-20619] c 28 N72-11708
- SPADY, A. A., JR.**
Backpack carrier Patent
[NASA-CASE-LAR-10056] c 05 N71-12351
- Reduced gravity simulator Patent
[NASA-CASE-XLA-01787] c 11 N71-16028
- SPAIN, I. L.**
Hall effect magnetometer
[NASA-CASE-LEW-11632-2] c 35 N75-13213
- SPALVINS, T.**
Deposition of alloy films
[NASA-CASE-LEW-11262-1] c 27 N74-13270
- SPANG, H. A., III**
Apparatus for sensor failure detection and correction in a gas turbine engine control system
[NASA-CASE-LEW-12907-2] c 07 N81-19115
- SPARKS, R. H.**
Fifth wheel
[NASA-CASE-FRC-10081-1] c 37 N77-14477
- SPEARMAN, M. L.**
Translating horizontal tail Patent
[NASA-CASE-XLA-08801-1] c 02 N71-11043
- SPEISER, R. C.**
Focussing system for an ion source having apertured electrodes Patent
[NASA-CASE-XNP-03332] c 09 N71-10618
- SPENCER, B., JR.**
Variable geometry manned orbital vehicle Patent
[NASA-CASE-XLA-03691] c 31 N71-15674
- SPENCER, D. J.**
Data compression system with a minimum time delay unit Patent
[NASA-CASE-XNP-08832] c 08 N71-12506
- SPENCER, J. L.**
Electronic strain-level counter
[NASA-CASE-LAR-10756-1] c 32 N73-26910
- SPENCER, P. R.**
Radiation direction detector including means for compensating for photocell aging Patent
[NASA-CASE-XLA-00183] c 14 N70-40239
- SPENCER, R. L.**
Thickness measuring and injection device Patent
[NASA-CASE-MFS-20261] c 14 N71-27005
- Ultrasonic scanner for radial and flat panels
[NASA-CASE-MFS-20335-1] c 35 N74-10415
- SPENCER, R. S.**
Method of treating the surface of a glass member
[NASA-CASE-GSC-12110-1] c 27 N77-32308
- Safety shield for vacuum/pressure chamber viewing port
[NASA-CASE-GSC-12513-1] c 31 N81-19343
- SPIER, R. A.**
Portable milling tool Patent
[NASA-CASE-XMF-03511] c 15 N71-22799
- Restraint system for ergometer
[NASA-CASE-MFS-21046-1] c 14 N73-27377
- Tilting table for ergometer and for other biomedical devices
[NASA-CASE-MFS-21010-1] c 05 N73-30078

- Vee-notching device
[NASA-CASE-MFS-20730-1] c 39 N74-13131
- SPIES, R.**
Observation window for a gas confining chamber
[NASA-CASE-NPO-10890] c 11 N73-12265
- SPITZE, L. A.**
Process for the preparation of calcium superoxide
[NASA-CASE-ARC-11053-1] c 25 N79-10162
- Use of glow discharge in fluidized beds
[NASA-CASE-ARC-11245-1] c 28 N82-18401
- SPITZER, C. R.**
Evaporant holder
[NASA-CASE-XLA-03105] c 15 N69-27483
- Exposure interlock for oscilloscope cameras
[NASA-CASE-LAR-10319-1] c 14 N73-32322
- SPITZIG, W. A.**
Method of making a diffusion bonded refractory coating Patent
[NASA-CASE-XLE-01604-2] c 15 N71-15610
- SPRECEACE, R. P.**
Method of forming a wick for a heat pipe
[NASA-CASE-NPO-13391-1] c 34 N76-27515
- SPRINGER, L. R.**
Digital data reformatter/deserializer
[NASA-CASE-NPO-13676-1] c 60 N79-20751
- SPRINGETT, J. C.**
Phase-shift data transmission system having a pseudo-noise SYNC code modulated with the data in a single channel Patent
[NASA-CASE-XNP-00911] c 08 N70-41961
- Audio system with means for reducing noise effects
[NASA-CASE-NPO-11631] c 10 N73-12244
- SPRINGFIELD, C. L.**
Flammability test chamber Patent
[NASA-CASE-KSC-10126] c 11 N71-24985
- Autoignition test cell Patent
[NASA-CASE-XNP-10198] c 11 N71-28629
- SPROSS, F. R.**
Biological isolation garment Patent
[NASA-CASE-MSC-12206-1] c 05 N71-17599
- SPUCK, W. H., III**
Borehole geological assessment
[NASA-CASE-NPO-14231-1] c 46 N80-10709
- SQUILLARI, W.**
System for stabilizing torque between a balloon and gondola
[NASA-CASE-GSC-11077-1] c 02 N73-13008
- SOUYRES, H. P.**
Uniform variable light source
[NASA-CASE-NPO-11429-1] c 74 N77-21941
- SRIVASTAVA, S. K.**
Means and method for calibrating a photon detector utilizing electron-photon coincidence
[NASA-CASE-NPO-15644-1] c 72 N82-24953
- ST. CLAIR, A. K.**
Crystalline polyimides
[NASA-CASE-LAR-12099-1] c 27 N80-16158
- Process for preparing high temperature polyimide film laminates
[NASA-CASE-LAR-12742-1] c 24 N81-12174
- Aluminum ion-containing polyimide adhesives
[NASA-CASE-LAR-12640-1] c 27 N82-11206
- Electrically conductive palladium containing polyimide films
[NASA-CASE-LAR-12705-1] c 25 N82-26396
- Elastomer toughened polyimide adhesives
[NASA-CASE-LAR-12775-1] c 27 N83-28240
- Elastomer toughened polyimide adhesives
[NASA-CASE-LAR-12775] c 27 N83-29390
- ST. CLAIR, T. L.**
Crystalline polyimides
[NASA-CASE-LAR-12099-1] c 27 N80-16158
- Process for preparing high temperature polyimide film laminates
[NASA-CASE-LAR-12742-1] c 24 N81-12174
- Method for preparing addition type polyimide prepreps
[NASA-CASE-LAR-12054-2] c 27 N81-14078
- Thermoset-thermoplastic aromatic polyamides
[NASA-CASE-LAR-12723-1] c 27 N81-15107
- Tackifier for addition polyimides containing monoethylphthalate
[NASA-CASE-LAR-12642-1] c 27 N81-29229
- Aluminum ion-containing polyimide adhesives
[NASA-CASE-LAR-12640-1] c 27 N82-11206
- Polypheylene ethers with imide linking groups
[NASA-CASE-LAR-12980-1] c 27 N83-21143
- Elastomer toughened polyimide adhesives
[NASA-CASE-LAR-12775-1] c 27 N83-28240
- Elastomer toughened polyimide adhesives
[NASA-CASE-LAR-12775] c 27 N83-29390
- A solvent resistant, thermoplastic aromatic poly(imidesulfone) and process for preparing same
[NASA-CASE-LAR-12858-2] c 27 N83-29391
- Solvent resistant thermoplastic aromatic poly(imidesulfone) and process for preparing same
[NASA-CASE-LAR-12858-1] c 27 N83-34041

- Hot melt adhesive attachment pad
[NASA-CASE-LAR-12894-1] c 27 N83-34044
- STACEY, J. M.**
Wideband passive synthetic-aperture multichannel receiver
[NASA-CASE-NPO-15651-1] c 32 N82-26523
- STACY, A. B., JR.**
Mechanical fastener
[NASA-CASE-LAR-12738-1] c 18 N82-33419
- STAHLEY, S. D.**
Quick attach and release fluid coupling assembly Patent
[NASA-CASE-XKS-01985] c 15 N71-10782
- STAINBACK, J. D.**
Exposure interlock for oscilloscope cameras
[NASA-CASE-LAR-10319-1] c 14 N73-32322
- STALEY, H. W.**
Pulse amplitude and width detector Patent
[NASA-CASE-XMF-06519] c 09 N71-12519
- Pulse rise time and amplitude detector Patent
[NASA-CASE-XMF-08804] c 09 N71-24717
- STALEY, R. W.**
Exposure system for animals Patent
[NASA-CASE-XAC-05333] c 11 N71-22875
- STALLCOP, J. R.**
Measurement of plasma temperature and density using radiation absorption
[NASA-CASE-ARC-10598-1] c 75 N74-30156
- STALOFF, C.**
Frequency shift keyed demodulator Patent
[NASA-CASE-XGS-02889] c 07 N71-11282
- STAMPS, J. C.**
Television noise reduction device
[NASA-CASE-MSC-12607-1] c 32 N75-21485
- STANGE, W. C.**
Cyclical bi-directional rotary actuator
[NASA-CASE-GSC-11883-1] c 37 N77-19458
- Actuator mechanism
[NASA-CASE-GSC-11883-2] c 37 N78-31426
- STANLEY, A. G.**
Method for analyzing radiation sensitivity of integrated circuits
[NASA-CASE-NPO-14350-1] c 33 N80-14332
- STARK, K. W.**
Endless tape cartridge Patent
[NASA-CASE-XGS-00769] c 14 N70-41647
- Endless tape transport mechanism Patent
[NASA-CASE-XGS-01223] c 07 N71-10609
- Annular slit colloid thruster Patent
[NASA-CASE-GSC-10709-1] c 28 N71-25213
- Micro-pound extended range thrust stand Patent
[NASA-CASE-GSC-10710-1] c 28 N71-27094
- STARK, M. W.**
Solid propellant liner Patent
[NASA-CASE-XNP-09744] c 27 N71-16392
- STARKEY, D. J.**
Torsional disconnect unit
[NASA-CASE-NPO-10704] c 15 N72-20445
- STARNER, E. R.**
Frequency measurement by coincidence detection with standard frequency
[NASA-CASE-MSC-14649-1] c 33 N76-16331
- STATTEL, R. J.**
Memory-based parallel data output controller
[NASA-CASE-GSC-12447-1] c 60 N80-21987
- Memory-based frame synchronizer
[NASA-CASE-GSC-12430-1] c 60 N82-16747
- STCLAIR, T. L.**
Polyimide adhesives
[NASA-CASE-LAR-12181-1] c 27 N78-17205
- STCLAIRE, T. L.**
Mixed diamines for lower melting addition polyimide preparation and utilization
[NASA-CASE-LAR-12054-1] c 27 N79-33316
- STECKRA, S.**
Improved thermal barrier coating system
[NASA-CASE-LEW-13324-2] c 26 N83-34014
- STECURA, S.**
Thermal barrier coating system
[NASA-CASE-LEW-12554-1] c 34 N78-18355
- Improved thermal barrier coating system
[NASA-CASE-LEW-13324-1] c 26 N82-26431
- STEELE, E. R.**
Satellite aided vehicle avoidance system Patent
[NASA-CASE-ERC-10090] c 21 N71-24948
- Satellite aided vehicle avoidance system
[NASA-CASE-ERC-10419-1] c 03 N75-30132
- STEELE, R. K.**
Method and apparatus for nondestructive testing of pressure vessels
[NASA-CASE-NPO-12142-1] c 38 N76-28563
- STEENHAGEN, G.**
Expandable support means
[NASA-CASE-NPO-11059] c 15 N72-17454

- STEENKEN, J.**
Relief valve
[NASA-CASE-XMS-05894-1] c 15 N69-21924
- STEIN, B. A.**
Hot melt adhesive attachment pad
[NASA-CASE-LAR-12894-1] c 27 N83-34044
- STEIN, R. J.**
Continuous detonation reaction engine Patent
[NASA-CASE-XMF-06926] c 28 N71-22983
Coal-shale interface detection
[NASA-CASE-MFS-23720-3] c 43 N79-25443
Longwall shearer tracking system
[NASA-CASE-MFS-25717-1] c 43 N83-14607
- STEIN, S.**
Injector-valve device Patent
[NASA-CASE-XLE-00303] c 15 N70-36535
Rocket engine injector Patent
[NASA-CASE-XLE-00111] c 28 N70-38199
Rocket engine injector Patent
[NASA-CASE-XLE-03157] c 28 N71-24736
- STEINBERG, R.**
Molecular beam velocity selector Patent
[NASA-CASE-XLE-01533] c 11 N71-10777
Method of forming metal hydride films
[NASA-CASE-LEW-12083-1] c 37 N78-13436
- STEINMETZ, C. P.**
Energy limiter for hydraulic actuators Patent
[NASA-CASE-ARC-10131-1] c 15 N71-27754
- STELBEN, J. J.**
Recorder/processor apparatus
[NASA-CASE-GSC-11553-1] c 35 N74-15831
- STELL, R. E.**
In situ transfer standard for ultrahigh vacuum gage calibration
[NASA-CASE-LAR-10862-1] c 35 N74-15092
- STELLA, A. J.**
Electrical connector pin with wiping action
[NASA-CASE-XMF-04238] c 09 N69-39734
- STELTS, P. D.**
Low heat leak connector for cryogenic system
[NASA-CASE-XLE-02367-1] c 31 N79-21225
- STELZRIED, C. T.**
Reflectometer for receiver input impedance match measurement Patent
[NASA-CASE-XNP-10843] c 07 N71-11267
Multi-feed cone Cassegrain antenna Patent
[NASA-CASE-NPO-10539] c 07 N71-11285
Matched thermistors for microwave power meters Patent
[NASA-CASE-NPO-10348] c 10 N71-12554
Broadband microwave waveguide window Patent
[NASA-CASE-XNP-08880] c 09 N71-24808
Rotary vane attenuator when rotor has orthogonally disposed resistive and dielectric cards
[NASA-CASE-NPO-11418-1] c 14 N73-13420
- STENGARD, E. O.**
Toggle mechanism for pinching metal tubes
[NASA-CASE-GSC-12274-1] c 37 N79-28550
- STENGEL, R. F.**
Wind velocity probing device and method Patent
[NASA-CASE-XLA-02081] c 20 N71-16281
- STENLUND, S. J.**
Rotating mandrel for assembly of inflatable devices Patent
[NASA-CASE-XLA-04143] c 15 N71-17687
Traveling sealer for contoured table Patent
[NASA-CASE-XLA-01494] c 15 N71-24164
- STEPHANS, J. B.**
Low cost solar energy collection system
[NASA-CASE-NPO-13579-1] c 44 N78-17460
- STEPHENS, D. G.**
Flexible ring slosh damping baffle Patent
[NASA-CASE-LAR-10317-1] c 32 N71-16103
Instrument for measuring the dynamic behavior of liquids Patent
[NASA-CASE-XLA-05541] c 12 N71-26387
Active vibration isolator for flexible bodies Patent
[NASA-CASE-LAR-10106-1] c 15 N71-27169
Ride quality meter
[NASA-CASE-LAR-12882-1] c 54 N81-31848
- STEPHENS, D. L.**
Automatic closed circuit television arc guidance control Patent
[NASA-CASE-MFS-13046] c 07 N71-19433
- STEPHENS, J. B.**
Microbalance including crystal oscillators for measuring contaminants in a gas system Patent
[NASA-CASE-NPO-10144] c 14 N71-17701
Space simulator Patent
[NASA-CASE-NPO-10141] c 11 N71-24964
Sampler of gas borne particles
[NASA-CASE-NPO-13396-1] c 35 N76-18401
Wind sensor
[NASA-CASE-NPO-13462-1] c 35 N76-24524
- Cryostat system for temperatures on the order of 2 deg K or less
[NASA-CASE-NPO-13459-1] c 31 N77-10229
- Underground mineral extraction
[NASA-CASE-NPO-14140-1] c 31 N78-24387
- Solar pond
[NASA-CASE-NPO-13581-2] c 44 N78-31525
Primary reflector for solar energy collection systems
[NASA-CASE-NPO-13579-4] c 44 N79-14529
Primary reflector for solar energy collection systems and method of making same
[NASA-CASE-NPO-13579-3] c 44 N79-24432
Solar energy collection system
[NASA-CASE-NPO-13579-2] c 44 N79-24433
Low cost cryostat
[NASA-CASE-NPO-14513-1] c 35 N81-14287
Underground mineral extraction
[NASA-CASE-NPO-14140-1] c 43 N81-26509
Trace water sensor
[NASA-CASE-NPO-15722-1] c 35 N83-20084
Sphere forming method and apparatus
[NASA-CASE-NPO-15070-1] c 31 N83-35176
- STEPHENS, J. R.**
Process for making a high toughness-high strength ion alloy
[NASA-CASE-LEW-12542-2] c 26 N79-22271
High toughness-high strength iron alloy
[NASA-CASE-LEW-12542-3] c 26 N80-32484
- STERMAN, A. P.**
Tip cap for a rotor blade
[NASA-CASE-LEW-13654-1] c 07 N83-14129
Air modulation apparatus
[NASA-CASE-LEW-13524-1] c 34 N83-30957
- STERN, N.**
Reversible current control apparatus Patent
[NASA-CASE-XLA-09371] c 10 N71-18724
- STERRETT, J. R.**
Laser grating interferometer Patent
[NASA-CASE-XLA-04295] c 16 N71-24170
- STETSON, A. R.**
Silicide coatings for refractory metals Patent
[NASA-CASE-XLE-10910] c 18 N71-29040
- STEUDEL, R. M.**
Controlled caging and uncaging mechanism
[NASA-CASE-GSC-11063-1] c 37 N77-27400
- STEVENS, M. L.**
Surface conforming thermal/pressure seal
[NASA-CASE-MSC-18422-1] c 37 N82-16408
- STEVENS, M. R.**
Portable electrophoresis apparatus using minimum electrolyte
[NASA-CASE-NPO-13274-1] c 25 N79-10163
- STEVENSON, L. E.**
Aircraft control system
[NASA-CASE-ERC-10439] c 02 N73-19004
- STEWART, C. H.**
Family of frequency to amplitude converters
[NASA-CASE-MSC-12395] c 09 N72-25257
Apparatus for statistical time-series analysis of electrical signals
[NASA-CASE-MSC-12428-1] c 10 N73-25240
- STEWART, D. A.**
Adjustable high emittance gap filter
[NASA-CASE-ARC-11310-1] c 27 N82-24339
High temperature glass thermal control structure and coating
[NASA-CASE-ARC-11164-1] c 44 N83-34448
- STEWART, R. B.**
Apparatus and method for generating large mass flow of high temperature air at hypersonic speeds
[NASA-CASE-LAR-10612-1] c 12 N73-28144
- STEWART, W. L.**
Multistage multiple-reentry turbine Patent
[NASA-CASE-XLE-00170] c 15 N70-36412
Multistage multiple-reentry turbine Patent
[NASA-CASE-XLE-00085] c 28 N70-39895
Supercharged topping rocket propellant feed system
[NASA-CASE-XLE-02062-1] c 20 N80-14188
- STICKLE, J. W.**
Direct lift control system Patent
[NASA-CASE-LAR-10249-1] c 02 N71-26110
- STIFFLER, J. J.**
Error correcting method and apparatus Patent
[NASA-CASE-XNP-02748] c 08 N71-22749
Encoder/decoder system for a rapidly synchronizable binary code Patent
[NASA-CASE-NPO-10342] c 10 N71-33407
- STIGBERG, J. D.**
Signal conditioner test set
[NASA-CASE-KSC-10750-1] c 35 N75-12270
- STINE, H. A.**
Electric arc apparatus Patent
[NASA-CASE-XAC-01677] c 09 N71-20816
- STIRN, R. J.**
High voltage, high current Schottky barrier solar cell
[NASA-CASE-NPO-13482-1] c 44 N78-13526
- Schottky barrier solar cell
[NASA-CASE-NPO-13689-2] c 44 N81-29525
Method of fabricating Schottky barrier solar cell
[NASA-CASE-NPO-13689-4] c 44 N82-28780
- STJOHN, R. H.**
Walking boot assembly
[NASA-CASE-ARC-11101-1] c 54 N78-17675
- STOCKARD, R. R.**
Semiconductor p-n junction stress and strain sensor
[NASA-CASE-XLA-04980] c 09 N69-27422
Method of making semiconductor p-n junction stress and strain sensor
[NASA-CASE-XLA-04980-2] c 14 N72-28438
- STOCKER, P. J.**
Laser extensometer
[NASA-CASE-MFS-19259-1] c 36 N78-14380
- STOCKTON, R. J.**
Microwave switching power divider
[NASA-CASE-GSC-12420-1] c 33 N82-16340
- STOKES, C. S.**
Barium release system
[NASA-CASE-LAR-10670-1] c 06 N73-30097
Rocket having barium release system to create ion clouds in the upper atmosphere
[NASA-CASE-LAR-10670-2] c 15 N74-27360
- STOKES, R. C.**
Multispectral scanner optical system
[NASA-CASE-MSC-18255-1] c 74 N80-33210
- STOLLER, F. W.**
Reversible motion drive system Patent
[NASA-CASE-NPO-10173] c 15 N71-24696
- STONE, F. A.**
Synchronous servo loop control system Patent
[NASA-CASE-XNP-03744] c 10 N71-20448
- STONE, L. P.**
Articulated multiple couch assembly Patent
[NASA-CASE-MSC-11253] c 05 N71-12343
- STONE, R. W., JR.**
G conditioning suit Patent
[NASA-CASE-XLA-02898] c 05 N71-20268
- STONE, S. E.**
Fluid sample collector Patent
[NASA-CASE-XMS-06767-1] c 14 N71-20435
- STONEBURNER, J. D.**
Acoustic particle separation
[NASA-CASE-NPO-15559-1] c 71 N82-29112
- STORY, A. W.**
System for indicating direction of intruder aircraft
[NASA-CASE-ERC-10226-1] c 14 N73-16483
Display system
[NASA-CASE-ERC-10350] c 14 N73-20474
- STOTLER, C. L., JR.**
Integrated gas turbine engine-nacelle
[NASA-CASE-LEW-12389-2] c 07 N78-18066
Integrated gas turbine engine-nacelle
[NASA-CASE-LEW-12389-3] c 07 N79-14096
- STRAIGHT, D. M.**
Rocket motor system Patent
[NASA-CASE-XLE-00323] c 28 N70-38505
Gas turbine exhaust nozzle
[NASA-CASE-LEW-11569-1] c 07 N74-15453
- STRAND, L. D.**
Solid propellant rocket motor
[NASA-CASE-NPO-11559] c 28 N73-24784
Nitramine propellants
[NASA-CASE-NPO-14103-1] c 28 N78-31255
- STRANGE, M. G.**
Position sensing device employing misaligned magnetic field generating and detecting apparatus Patent
[NASA-CASE-XGS-07514] c 23 N71-16099
Self-regulating proportionally controlled heating apparatus and technique
[NASA-CASE-GSC-11752-1] c 77 N75-20140
- STRASS, H. K.**
Motion picture camera for optical pyrometry Patent
[NASA-CASE-XLA-00062] c 14 N70-33254
Light intensity modulator controller Patent
[NASA-CASE-XMS-04300] c 09 N71-19479
- STRATTEL, R. J.**
Memory-based parallel data output controller
[NASA-CASE-GSC-12447-2] c 17 N83-29302
- STREED, E. R.**
Solar cell Patent
[NASA-CASE-ARC-10050] c 03 N71-33409
- STREITMATTER, R. E.**
Cerenkov radiator material and charged particle detection process
[NASA-CASE-GSC-12805-1] c 72 N83-18423
- STRINGHAM, R. S.**
Vitra-violet process for producing flame resistant polyamides and products produced thereby
[NASA-CASE-MSC-16074-1] c 27 N80-26446
- STROM, T. N.**
Spiral groove seal
[NASA-CASE-XLE-10326-2] c 15 N72-29488

- Spiral groove seal
[NASA-CASE-XLE-10326-4] c 37 N74-15125
- STRONG, I. J.**
Stirring apparatus for plural test tubes Patent
[NASA-CASE-XAC-06956] c 15 N71-21177
- STRONG, J. P., III**
Two-dimensional radiant energy array computers and computing devices
[NASA-CASE-GSC-11839-1] c 60 N77-14751
Analog to digital converter for two-dimensional radiant energy array computers
[NASA-CASE-GSC-11839-3] c 60 N77-32731
Memory device for two-dimensional radiant energy array computers
[NASA-CASE-GSC-11839-2] c 60 N78-10709
- STROUB, R. H.**
Constant lift rotor for a heavier than air craft
[NASA-CASE-ARC-11045-1] c 05 N79-17847
- STROUHAL, G.**
Thermal insulation protection means
[NASA-CASE-MSC-12737-1] c 24 N79-25142
- STROUP, E. R.**
Electrochemical coulometer and method of forming same Patent
[NASA-CASE-XGS-05434] c 03 N71-20491
- STRUDER, P. A.**
Magnetically actuated compressor
[NASA-CASE-GSC-12799-1] c 37 N83-20153
- STRULL, G.**
Solid state television camera system Patent
[NASA-CASE-XMF-06092] c 07 N71-24612
- STRUTHOFF, G. L.**
Dual acting slit control mechanism
[NASA-CASE-LAR-11370-1] c 35 N80-28686
- STUART, J. L.**
Automated fluid chemical analyzer Patent
[NASA-CASE-XNP-09451] c 06 N71-26754
- STUART, J. W.**
Fire resistant coating composition Patent
[NASA-CASE-GSC-10072] c 18 N71-14014
Diffuse reflective coating
[NASA-CASE-GSC-11214-1] c 06 N73-13128
- STUCKEY, J. M.**
Panelized high performance multilayer insulation Patent
[NASA-CASE-MFS-14023] c 33 N71-25351
Cryogenic thermal insulation Patent
[NASA-CASE-XMF-05046] c 33 N71-28892
- STUDENICK, D. K.**
System for stabilizing torque between a balloon and gondola
[NASA-CASE-GSC-11077-1] c 02 N73-13008
Fluid sampling device
[NASA-CASE-GSC-12143-1] c 35 N77-32456
- STUDER, P. A.**
Electronic beam switching commutator Patent
[NASA-CASE-XGS-01451] c 09 N71-10677
Direct current motor with stationary armature and field Patent
[NASA-CASE-XGS-05290] c 09 N71-25999
Helical recorder arrangement for multiple channel recording on both sides of the tape
[NASA-CASE-GSC-10614-1] c 09 N72-11224
Electric motive machine including magnetic bearing
[NASA-CASE-XGS-07805] c 15 N72-33476
Magnetic bearing
[NASA-CASE-GSC-11079-1] c 37 N75-18574
Magnetic bearing system
[NASA-CASE-GSC-11978-1] c 37 N77-17464
Three phase full wave dc motor decoder
[NASA-CASE-GSC-11824-1] c 33 N77-26386
Energy storage apparatus
[NASA-CASE-GSC-12030-1] c 44 N78-24608
Stirling cycle cryogenic cooler
[NASA-CASE-GSC-12697-1] c 31 N82-11312
Linear magnetic motor/generator
[NASA-CASE-GSC-12518-1] c 33 N82-24421
Non-contacting power transfer device
[NASA-CASE-GSC-12595-1] c 33 N82-24422
Stirling cycle cryogenic cooler
[NASA-CASE-LAR-12697-1] c 44 N83-28574
Linear magnetic bearing
[NASA-CASE-GSC-12517-1] c 37 N83-32067
Magnetic bearing and motor
[NASA-CASE-GSC-12726-1] c 37 N83-34323
- STUMP, C. W.**
Apparatus for measuring an aircraft's speed and height
[NASA-CASE-LAR-12275-1] c 35 N79-18296
Film advance indicator
[NASA-CASE-LAR-12474-1] c 35 N82-26628
- STUMP, E. C., JR.**
Hydroxy terminated perfluoro ethers Patent
[NASA-CASE-NPO-10768] c 06 N71-27254
Perfluoro polyether acyl fluorides
[NASA-CASE-NPO-10765] c 06 N72-20121

- Polyurethane resins from hydroxy terminated perfluoro ethers
[NASA-CASE-NPO-10768-2] c 06 N72-27144
Highly fluorinated polyurethanes
[NASA-CASE-NPO-10767-2] c 06 N72-27151
Highly fluorinated polyurethanes
[NASA-CASE-NPO-10767-1] c 06 N73-33076
- STURGIS, A. C.**
Multiparameter vision testing apparatus
[NASA-CASE-MSC-13601-2] c 54 N75-27759
- STURM, R. G.**
Self-recording portable soil penetrometer
[NASA-CASE-MFS-20774] c 14 N73-19420
- STURMAN, J. C.**
Pulsed differential comparator circuit Patent
[NASA-CASE-XLE-03804] c 10 N71-19471
- STYLES, C. M.**
Spherical solid-propellant rocket motor Patent
[NASA-CASE-XLA-00105] c 28 N70-33331
- SUDEY, J.**
Low speed phaselock speed control system
[NASA-CASE-GSC-11127-1] c 09 N75-24758
- SULLIVAN, D. B.**
Electrical insulating layer process
[NASA-CASE-LEW-10489-1] c 15 N72-25447
- SULLIVAN, E. M.**
Ablation article and method
[NASA-CASE-LAR-10439-1] c 33 N73-27796
- SULLIVAN, J. L.**
Self-contained breathing apparatus
[NASA-CASE-MSC-14733-1] c 54 N76-24900
- SULLIVAN, T. E.**
Wa regide mixer
[NASA-CASE-ERC-10179] c 07 N72-20141
- SUMIDA, J. T.**
Miniature multichannel biotelemetry system
[NASA-CASE-NPO-13065-1] c 52 N74-26625
- SUMMERFIELD, D. G.**
Wind tunnel model and method
[NASA-CASE-LAR-10812-1] c 09 N74-17955
- SUMMERS, R. H.**
Geneva mechanism
[NASA-CASE-NPO-13281-1] c 37 N75-13266
- SUTLIF, J. D.**
Wing deployment method and apparatus Patent
[NASA-CASE-XMS-00907] c 02 N70-41630
- SWAIN, R. J.**
Induction heating gun
[NASA-CASE-LAR-12540-2] c 27 N82-24345
One-step dual purpose joining technique
[NASA-CASE-LAR-12595-1] c 33 N82-26571
Induction heating gun
[NASA-CASE-LAR-13181-1] c 33 N83-29591
- SWAIN, R. L.**
Spherical solid-propellant rocket motor Patent
[NASA-CASE-XLA-00105] c 28 N70-33331
- SWANN, R. T.**
Sandwich panel construction Patent
[NASA-CASE-XLA-00349] c 33 N70-37979
Dielectric molding apparatus Patent
[NASA-CASE-LAR-10121-1] c 15 N71-26721
- SWARTZ, P. F.**
Micro-fluid exchange coupling apparatus
[NASA-CASE-ARC-11114-1] c 51 N81-14605
- SWEAT, J. C.**
Emergency escape system Patent
[NASA-CASE-XKS-07814] c 15 N71-27067
- SWEET, G. E.**
Compensating radiometer
[NASA-CASE-XLA-04556] c 14 N69-27484
Spherical measurement device
[NASA-CASE-XLA-06683] c 14 N72-28436
- SWETTE, L. L.**
Electrocatalyst for oxygen reduction
[NASA-CASE-HQN-10537-1] c 06 N72-10138
- SWINGLE, R. L.**
Compact solar still Patent
[NASA-CASE-XMS-04533] c 15 N71-23086
- SWIRSKY, B. D.**
Method of fabricating an object with a thin wall having a precisely shaped slit
[NASA-CASE-LAR-10409-1] c 31 N74-21059
- SWORDS, B. B.**
Adjustable force probe
[NASA-CASE-MFS-20760] c 14 N72-33377
- SYDNOR, R. L.**
Ultra stable frequency distribution system
[NASA-CASE-NPO-13836-1] c 32 N78-15323
- SYVERTSON, C. A.**
Flight craft Patent
[NASA-CASE-XAC-02058] c 02 N71-16087
- SZOFRAN, F. R.**
Method of preparing radially homogeneous mercury cadmium telluride crystals
[NASA-CASE-MFS-25786-1] c 76 N83-18533

- SZUWALSKI, B.**
Computer circuit card puller
[NASA-CASE-FRC-11042-1] c 60 N82-24839
- T**
- TABACK, I.**
Small conductive particle sensor
[NASA-CASE-LAR-12552-1] c 35 N82-11431
- TADDEO, F. V.**
Pulse generating circuit employing switch means on ends of delay line for alternately charging and discharging same Patent
[NASA-CASE-XNP-00745] c 10 N71-28960
- TALBOT, M. W.**
Protection for energy conversion systems
[NASA-CASE-XGS-04808] c 03 N69-25146
Inverter with means for base current shaping for sweeping charge carriers from base region Patent
[NASA-CASE-XGS-06226] c 10 N71-25950
- TALLEY, D. H.**
Response analyzers for sensors Patent
[NASA-CASE-MFS-11204] c 14 N71-29134
- TARPLEY, J. L.**
Static coefficient test method and apparatus
[NASA-CASE-GSC-11893-1] c 35 N76-31489
- TASHBAR, P. W.**
System for depositing thin films
[NASA-CASE-MFS-20775-1] c 31 N75-12161
- TAUB, W. M.**
Radial module space station Patent
[NASA-CASE-XMS-01906] c 31 N70-41373
Space vehicle system
[NASA-CASE-MSC-12561-1] c 18 N76-17185
- TAUSWORTH, R. C.**
Filter for third order phase locked loops
[NASA-CASE-NPO-11841-1] c 10 N73-27171
Phase conjugation method and apparatus for an active retrodirective antenna array
[NASA-CASE-NPO-13641-1] c 32 N79-24210
- TAYLOR, A. H.**
Pumped vortex
[NASA-CASE-LAR-12615-1] c 02 N83-19715
Daze fasteners
[NASA-CASE-LAR-13009-1] c 37 N83-29706
- TAYLOR, C. J.**
High resolution developing of photosensitive resists Patent
[NASA-CASE-XGS-04993] c 14 N71-17574
- TAYLOR, L. L.**
Flexible composite membrane Patent
[NASA-CASE-XNP-08837] c 18 N71-16210
- TAYLOR, L. T.**
Aluminum ion-containing polyimide adhesives
[NASA-CASE-LAR-12640-1] c 27 N82-11206
Electrically conductive palladium containing polyimide films
[NASA-CASE-LAR-12705-1] c 25 N82-26396
- TAYLOR, L. V.**
Plural position switch status and operativeness checker Patent
[NASA-CASE-XLA-08799] c 10 N71-27272
- TAYLOR, M. S.**
Fluorooether modified epoxy composites
[NASA-CASE-ARC-11418-1] c 24 N83-17603
- TAYLOR, R. A.**
Digital computing cardiachometer
[NASA-CASE-MFS-20284-1] c 52 N74-12778
- TAYLOR, R. C.**
Multi axes vibration fixtures
[NASA-CASE-MFS-20242] c 14 N73-19421
- TAYLOR, R. E.**
Automatic acquisition system for phase-lock loop
[NASA-CASE-XGS-04994] c 09 N69-21543
Polarization diversity monopulse tracking receiver Patent
[NASA-CASE-XGS-03501] c 09 N71-20864
Electromagnetic polarization systems and methods Patent
[NASA-CASE-GSC-10021-1] c 09 N71-24595
Method and automated apparatus for detecting coliform organisms
[NASA-CASE-MSC-16777-1] c 51 N80-27067
Navigation system and method
[NASA-CASE-GSC-12508-1] c 04 N81-26085
- TAYLOR, T. I.**
Metabolic rate meter and method
[NASA-CASE-MSC-12239-1] c 52 N79-21750
- TCHERNEV, D. I.**
Variable frequency nuclear magnetic resonance spectrometer Patent
[NASA-CASE-XNP-09830] c 14 N71-26266
- TE POEL, H. E.**
Television signal scan rate conversion system Patent
[NASA-CASE-XMS-07168] c 07 N71-11300

- TEGNELIA, C. R.**
Digital second-order phase-locked loop
[NASA-CASE-NPO-11905-1] c 33 N74-12887
- TEITELBAUM, S.**
Frequency shift keyed demodulator Patent
[NASA-CASE-XGS-02889] c 07 N71-11282
- TELFER, T. A.**
Method of determining bond quality of power transistors attached to substrates
[NASA-CASE-MFS-21931-1] c 37 N75-26372
- TEMPLE, G.**
Apparatus and method for tracking the fundamental frequency of an analog input signal
[NASA-CASE-ARC-11367-1] c 33 N83-21238
- TEMPLE, H. E.**
Means for growing ribbon crystals without subjecting the crystals to thermal shock-induced strains
[NASA-CASE-NPO-14298-1] c 76 N80-32244
Apparatus for use in the production of ribbon-shaped crystals from a silicon melt
[NASA-CASE-NPO-14297-1] c 33 N81-19389
- TENER, W. M.**
Cryogenic liquid sensor
[NASA-CASE-NPO-10619-1] c 35 N77-21393
- TENG, R. N.**
Collapsible pistons
[NASA-CASE-MSC-13789-1] c 11 N73-32152
- TENNEY, J. B., JR.**
Prosthetic occlusive device for an internal passageway
[NASA-CASE-MFS-25640-1] c 52 N82-26962
- TENOSO, H. J.**
Water system virus detection
[NASA-CASE-MSC-16098-1] c 51 N79-10693
- TEPPER, E. H.**
Regenerable device for scrubbing breathable air of CO₂ and moisture without special heat exchanger equipment
[NASA-CASE-MSC-14771-1] c 54 N77-32722
- TERP, L. S.**
Gas compression apparatus
[NASA-CASE-MSC-14757-1] c 35 N78-10428
- TERRAY, A.**
Method of making an apertured casting
[NASA-CASE-LEW-11169-1] c 37 N76-23570
- TERSELIC, R. A.**
Split welding chamber Patent
[NASA-CASE-LEW-11531] c 15 N71-14932
- TERVET, F. W.**
Mixed polyvalent-monovalent metal coating for carbon-graphite fibers
[NASA-CASE-NPO-14987-1] c 24 N83-33950
- TESINSKY, J. S.**
Flexible pile thermal barrier insulator
[NASA-CASE-MSC-19568-1] c 34 N78-25350
- TETSUKA, G. M.**
Single or joint amplitude distribution analyzer Patent
[NASA-CASE-XNP-01383] c 09 N71-10659
- THALER, S.**
Voltage regulator Patent
[NASA-CASE-ERC-10113] c 09 N71-27053
Current dependent filter inductance
[NASA-CASE-ERC-10139] c 09 N72-17154
- THALLER, L. H.**
Combined electrolysis device and fuel cell and method of operation Patent
[NASA-CASE-XLE-01645] c 03 N71-20904
Electrically rechargeable REDOX flow cell
[NASA-CASE-LEW-12220-1] c 44 N77-14581
Electrochemical cell for rebalancing REDOX flow system
[NASA-CASE-LEW-13150-1] c 44 N79-26474
- THATCHER, C. S.**
Precision heat forming of tetrafluoroethylene tubing
[NASA-CASE-MSC-18430-1] c 37 N82-24491
- THEAKSTON, H. A.**
Floating nut retention system
[NASA-CASE-MSC-16938-1] c 37 N80-23653
- THEISS, M.**
Gas levitator having fixed levitation node for containerless processing
[NASA-CASE-MFS-25509-1] c 35 N83-24828
- THIBODAUX, J. G., JR.**
Spherical solid-propellant rocket motor Patent
[NASA-CASE-XLA-00105] c 28 N70-33331
Mandrel for shaping solid propellant rocket fuel into a motor casing Patent
[NASA-CASE-XLA-00304] c 27 N70-34783
Method of making a solid propellant rocket motor Patent
[NASA-CASE-XLA-04126] c 28 N71-26779
Solid propellant rocket motor and method of making same
[NASA-CASE-XLA-1349] c 20 N77-17143
- THIEL, A. M.**
Aligning and positioning device Patent
[NASA-CASE-XMS-04178] c 15 N71-22798
- THIELE, C.**
Space simulator Patent
[NASA-CASE-XNP-00459] c 11 N70-38675
- THIELE, C. L.**
Thermal energy transformer
[NASA-CASE-NPO-14058-1] c 44 N79-18443
- THOLE, J. M.**
Inflation system for balloon type satellites Patent
[NASA-CASE-XGS-03351] c 31 N71-16081
- THOM, K.**
Magnetically controlled plasma accelerator Patent
[NASA-CASE-XLA-00327] c 25 N71-29184
Non-equilibrium radiation nuclear reactor
[NASA-CASE-HQN-10841-1] c 73 N78-19920
- THOMAS, D. F., JR.**
Jet shoes
[NASA-CASE-XLA-08491] c 05 N69-21380
One hand backpack harness
[NASA-CASE-LAR-10102-1] c 05 N72-23085
Kinesthetic control simulator
[NASA-CASE-LAR-10276-1] c 09 N75-15662
Fluid velocity measuring device
[NASA-CASE-LAR-11729-1] c 34 N79-12359
- THOMAS, H. N.**
Electronic motor control system Patent
[NASA-CASE-XMF-01129] c 09 N70-38712
- THOMAS, N. E.**
Optical communications system Patent
[NASA-CASE-XLA-01090] c 07 N71-12389
Optical communications system Patent
[NASA-CASE-XLA-01090] c 16 N71-28963
- THOMAS, N. L.**
Optical alignment device
[NASA-CASE-ARC-10932-1] c 74 N76-22993
- THOMAS, R. D.**
Thermocouple tape
[NASA-CASE-LEW-11072-1] c 14 N73-24472
Thermocouple tape
[NASA-CASE-LEW-11072-2] c 35 N76-15434
Multi-cell battery protection system
[NASA-CASE-LEW-12039-1] c 44 N78-14625
- THOMAS, R. R.**
Method and apparatus for eliminating luminol interference material
[NASA-CASE-MSC-16260-1] c 51 N80-16714
Rapid, quantitative determination of bacteria in water
[NASA-CASE-GSC-12158-1] c 51 N83-27569
- THOMASON, H. E.**
Trigonometric vehicle guidance assembly which aligns the three perpendicular axes of two three-axes systems Patent
[NASA-CASE-XMF-00684] c 21 N71-21688
Azimuth laying system Patent
[NASA-CASE-XMF-01669] c 21 N71-23289
- THOMPSON, G. D., JR.**
Cascaded complementary pair broadband transistor amplifiers Patent
[NASA-CASE-NPO-10003] c 10 N71-26415
- THOMPSON, J. R., JR.**
Inflatable transpiration cooled nozzle
[NASA-CASE-MFS-20619] c 28 N72-11708
- THOMPSON, R. B.**
Length mode piezoelectric ultrasonic transducer for inspection of solid objects
[NASA-CASE-MSC-19672-1] c 38 N79-14398
- THOMPSON, R. E.**
On-film optical recording of camera lens settings
[NASA-CASE-MSC-12363-1] c 14 N73-26431
- THOMPSON, S. W.**
Method of purifying metallurgical grade silicon employing reduced pressure atmospheric control
[NASA-CASE-NPO-14474-1] c 26 N80-14229
- THOMPSON, W. W.**
Inhibited solid propellant composition containing beryllium hydride
[NASA-CASE-NPO-10866-1] c 28 N79-14228
- THOMSON, A. R.**
Pulsed energy power system Patent
[NASA-CASE-MSC-13112] c 03 N71-11057
- THOMSON, J. A. L.**
Wind measurement system
[NASA-CASE-MFS-23362-1] c 47 N77-10753
- THORNHILL, J. W.**
Process and apparatus for growing a crystal ribbon
[NASA-CASE-NPO-15629-1] c 44 N82-26779
- THORNTON, G. E.**
Hole cutter
[NASA-CASE-MFS-22649-1] c 37 N75-25186
- THORNTON, W. E.**
Lower body negative pressure apparatus
[NASA-CASE-MSC-20202-1] c 54 N83-18254
Kinesimetric method and apparatus
[NASA-CASE-MSC-18929-1] c 39 N83-20280
- THORNWALL, J. C.**
Regulated dc to dc converter
[NASA-CASE-XGS-03429] c 03 N69-21330
- Pulse-type magnetic core memory element circuit with blocking oscillator feedback Patent
[NASA-CASE-XGS-03303] c 08 N71-18595
Stepping motor control circuit Patent
[NASA-CASE-GSC-10366-1] c 10 N71-18772
- THORPE, R. S.**
Reinforced structural plastics
[NASA-CASE-LEW-10199-1] c 27 N74-23125
- THYS, P. C.**
Droplet monitoring probe
[NASA-CASE-NPO-10985] c 14 N73-20478
- TIBBITTS, W. C.**
Apparatus and method for protecting a photographic device Patent
[NASA-CASE-NPO-10174] c 14 N71-18465
- TICKNER, E. G.**
Liquid cooled brassiere and method of diagnosing malignant tumors therewith
[NASA-CASE-ARC-11007-1] c 52 N77-14736
- TIEFERMANN, M. W.**
Optical torque meter Patent
[NASA-CASE-XLE-00503] c 14 N70-34818
- TILLER, N. G.**
Device for measuring bearing preload
[NASA-CASE-MFS-20434] c 11 N72-25288
- TIMM, J. D.**
Counter Patent
[NASA-CASE-XNP-06234] c 10 N71-27137
- TIMOR, U.**
Multichannel telemetry system
[NASA-CASE-NPO-11572] c 07 N73-16121
Receiver with an improved phase lock loop in a multichannel telemetry system with suppressed carrier
[NASA-CASE-NPO-11593-1] c 07 N73-28012
- TINLING, B. E.**
Stabilization of gravity oriented satellites Patent
[NASA-CASE-XAC-01591] c 31 N71-17729
- TISCHLER, R. F.**
Probes having ring and primary sensor at same potential to prevent collection of stray wall currents in ionized gases
[NASA-CASE-XLE-00690] c 25 N69-39884
- TISDALE, H. F., SR.**
Velocity vector control system augmented with direct lift control
[NASA-CASE-LAR-12268-1] c 08 N81-24106
- TITLE, A. M.**
Partial polarizer filter
[NASA-CASE-GSC-12225-1] c 74 N79-14891
- TITUS, L. E.**
Wide power range microwave feedback controller
[NASA-CASE-GSC-12146-1] c 33 N78-32340
- TOBIAS, R. A.**
Thermostatic actuator
[NASA-CASE-NPO-10637] c 15 N72-12409
Thermal motor
[NASA-CASE-NPO-11283] c 09 N72-25260
- TOCK, R. W.**
Mixture separation cell Patent
[NASA-CASE-XMS-02952] c 18 N71-20742
- TODD, H. H.**
Method of producing refractory bodies having controlled porosity Patent
[NASA-CASE-LEW-10393-1] c 17 N71-15468
Shock tube powder dispersing apparatus Patent
[NASA-CASE-XLE-04946] c 17 N71-24911
- TOFT, A. R.**
Star tracking reticles and process for the production thereof
[NASA-CASE-GSC-11188-2] c 21 N73-19630
Star tracking reticles
[NASA-CASE-GSC-11188-1] c 14 N73-32320
Formation of star tracking reticles
[NASA-CASE-GSC-11188-3] c 74 N74-20008
- TOLL, T. A.**
Variable sweep wing aircraft Patent
[NASA-CASE-XLA-00221] c 02 N70-33266
- TOLSON, B. A.**
Cable stabilizer for open shaft cable operated elevators
[NASA-CASE-KSC-10513] c 15 N72-25453
- TOM, H. Y.**
Ionomer membrane separator
[NASA-CASE-NPO-11091] c 18 N72-22567
- TOMBRELLO, T. A.**
Method and means for helium/hydrogen ratio measurement by alpha scattering
[NASA-CASE-NPO-14079-1] c 25 N80-20334
- TOMLINSON, H. M.**
Fuselage structure using advanced technology fiber reinforced composites
[NASA-CASE-LAR-11688-1] c 24 N82-26384
- TOMLINSON, L. E.**
Temperature sensitive flow regulator Patent
[NASA-CASE-MFS-14259] c 15 N71-19213

TONGIER, M., JR.

Absolute focus lock for microscopes
[NASA-CASE-LAR-10184] c 14 N72-22445

TOOLE, P. C.

High speed direct binary-to-binary coded decimal converter
[NASA-CASE-KSC-10326] c 08 N72-21197

High speed direct binary to binary coded decimal converter and scaler
[NASA-CASE-KSC-10595] c 08 N73-12176

Compact bi-phase pulse coded modulation decoder
[NASA-CASE-KSC-10834-1] c 33 N76-14371

Telephone multiline signaling using common signal pair
[NASA-CASE-KSC-11023-1] c 32 N79-23310

Automatic level control circuit
[NASA-CASE-KSC-11170-1] c 33 N83-36356

TOOTS, J.

Microwave integrated circuit for Josephson voltage standards
[NASA-CASE-MFS-23845-1] c 33 N81-17348

TOPITS, A., JR.

High impact pressure regulator Patent
[NASA-CASE-NPO-10175] c 14 N71-18625

Apparatus for forming drive belts
[NASA-CASE-NPO-13205-1] c 31 N74-32917

TORBETT, M. A.

Liquid-immersible electrostatic ultrasonic transducer
[NASA-CASE-LAR-12465-1] c 33 N82-26572

TORNEY, F. L., JR.

Ultrahigh vacuum gauge having two collector electrodes
[NASA-CASE-LAR-02743] c 14 N73-32324

TOTH, L. R.

Belleville spring assembly with elastic guides
[NASA-CASE-XNP-09452] c 15 N69-27504

TOWNES, C. H.

Optical frequency waveguide Patent
[NASA-CASE-HQN-10541-1] c 07 N71-26291

Laser machining apparatus Patent
[NASA-CASE-HQN-10541-2] c 15 N71-27135

Optical frequency waveguide and transmission system Patent
[NASA-CASE-HQN-10541-4] c 16 N71-27183

Optical frequency waveguide and transmission system
[NASA-CASE-HQN-10541-3] c 23 N72-23695

TOWNSEND, M. R.

Digital telemetry system Patent
[NASA-CASE-XGS-01812] c 07 N71-23001

TOY, M. S.

New polymers of perfluorobutadiene and method of manufacture Patent application
[NASA-CASE-NPO-10863] c 06 N70-11251

Method of polymerizing perfluorobutadiene Patent application
[NASA-CASE-NPO-10447] c 06 N70-11252

Reaction of fluorine with polyperfluoropolyenes
[NASA-CASE-NPO-10862] c 06 N72-22107

Polymers of perfluorobutadiene and method of manufacture
[NASA-CASE-NPO-10863-2] c 06 N72-25152

Utilization of oxygen difluoride for syntheses of fluoropolymers
[NASA-CASE-NPO-12061-1] c 27 N76-16228

Vitro-violet process for producing flame resistant polyamides and products produced thereby
[NASA-CASE-MSC-16074-1] c 27 N80-26446

TRADER, A. G.

Subgravity simulator Patent
[NASA-CASE-XMS-04798] c 11 N71-21474

Pneumatic amplifier Patent
[NASA-CASE-MSC-12121-1] c 15 N71-27147

TRAVIS, E. W.

Satellite appendage tie down cord Patent
[NASA-CASE-XGS-02554] c 31 N71-21064

TRELEASE, R. B.

Hydraulic casting of liquid polymers Patent
[NASA-CASE-XNP-07659] c 06 N71-22975

TRENT, R. C.

Method of manufacturing semiconductor devices using refractory dielectrics
[NASA-CASE-XER-08476-1] c 26 N72-17820

TRENT, R. L.

Location identification system
[NASA-CASE-ERC-10324] c 07 N72-25173

TRIMBLE, D. W.

Combinational logic for generating gate drive signals for phase control rectifiers
[NASA-CASE-MFS-25208-1] c 33 N83-10345

TRIMPI, R. L.

Combustion detector
[NASA-CASE-LAR-10739-1] c 14 N73-16484

TRINH, E. H.

System for monitoring physical characteristics of fluids
[NASA-CASE-NPO-15400-1] c 34 N83-31993

Acoustic system for material transport
[NASA-CASE-NPO-15453-1] c 71 N83-32515

Acoustic bubble removal method
[NASA-CASE-NPO-15334-1] c 71 N83-35781

TRIOLO, J. J.

Apparatus for controlling the temperature of balloon-borne equipment
[NASA-CASE-GSC-11620-1] c 34 N74-23039

TRIPP, C. N.

Booster tank system Patent
[NASA-CASE-MSC-12390] c 27 N71-29155

TRISCHLER, F. D.

Polyurethanes of fluorine containing polycarbonates
[NASA-CASE-MFS-10512] c 06 N73-30099

Polyurethanes from fluoroalkyl propylene glycol polyethers
[NASA-CASE-MFS-10506] c 06 N73-30100

Fluorohydroxy ethers
[NASA-CASE-MFS-10507] c 06 N73-30101

Highly fluorinated polymers
[NASA-CASE-MFS-11492] c 06 N73-30102

Fluorine containing polyurethane
[NASA-CASE-MFS-10509] c 06 N73-30103

Fluorine-containing polyformals
[NASA-CASE-XMF-06900-1] c 27 N79-21191

TROGER, R. E.

Tip cap for a rotor blade
[NASA-CASE-LEW-13654-1] c 07 N83-14129

TROMKA, J. I.

Method and apparatus for mapping the distribution of chemical elements in an extended medium
[NASA-CASE-GSC-12808-1] c 45 N83-20446

TROUT, R. F.

Data compression system with a minimum time delay unit Patent
[NASA-CASE-XNP-08832] c 08 N71-12506

TROUT, O. F., JR.

Heat protection apparatus Patent
[NASA-CASE-XLA-00892] c 33 N71-17897

TROWBRIDGE, D. L.

Independent gain and bandwidth control of a traveling wave maser
[NASA-CASE-NPO-13801-1] c 36 N78-18410

Swept group delay measurement
[NASA-CASE-NPO-13909-1] c 33 N78-25319

Maser amplifier slow wave structure
[NASA-CASE-NPO-15211-1] c 36 N81-24425

TRUBERT, M. R.

Collapsible structure for an antenna reflector
[NASA-CASE-NPO-11751] c 07 N73-24176

TRUSCH, R. B.

Condensate removal device for heat exchanger
[NASA-CASE-MSC-14143-1] c 77 N75-20139

TRUSSELL, D. H.

High intensity heat and light unit Patent
[NASA-CASE-XLA-00141] c 09 N70-33312

TSCHIRCH, R. P.

Heat sealable, flame and abrasion resistant coated fabric
[NASA-CASE-MSC-18382-1] c 27 N82-16238

Heat sealable, flame and abrasion resistant coated fabric
[NASA-CASE-MSC-18382-2] c 27 N82-24344

TSCHIRSH, R. P.

Heat resistant protective hand covering
[NASA-CASE-MSC-20261-1] c 54 N82-32985

Heat resistant protective hand covering
[NASA-CASE-MSC-20261-2] c 54 N82-32988

TSCHUNKO, H. F. A.

Optical mirror apparatus Patent
[NASA-CASE-ERC-10001] c 23 N71-24868

Electromechanical control actuator system Patent
[NASA-CASE-ERC-10022] c 15 N71-26635

Optical system support apparatus
[NASA-CASE-XER-07896-2] c 23 N72-22673

TSUDA, G. I.

High efficiency multifrequency feed
[NASA-CASE-GSC-11909] c 32 N74-20863

TSUO, Y. H.

Photocapacitive image converter
[NASA-CASE-LAR-12513-1] c 44 N82-32841

TSUTSUMI, K.

Hydraulic drive mechanism Patent
[NASA-CASE-XMS-03252] c 15 N71-10658

TUBBS, E. F.

Ranging system
[NASA-CASE-NPO-15865-1] c 74 N83-12991

TUBBS, H. E.

Continuous detonation reaction engine Patent
[NASA-CASE-XMF-06926] c 28 N71-22983

TUCKER, C. E.

Mobile sampler for use in acquiring samples of terrestrial atmospheric gases
[NASA-CASE-NPO-15220-1] c 45 N83-25217

TUCKER, E. M.

Coupling device
[NASA-CASE-XMS-07846-1] c 09 N69-21927

Space suit heat exchanger Patent
[NASA-CASE-XMS-09571] c 05 N71-19439

Extravehicular tunnel suit system Patent
[NASA-CASE-MSC-12243-1] c 05 N71-24728

TUGGLE, R. H., JR.

Apparatus for assembling space structure
[NASA-CASE-MFS-23579-1] c 18 N79-11108

TULEY, E. N.

Tip cap for a rotor blade
[NASA-CASE-LEW-13654-1] c 07 N83-14129

TUMULTY, W. T., JR.

Minimech self-deploying boom mechanism
[NASA-CASE-GSC-10566-1] c 15 N72-18477

TUNG, Y.

Liquid waste feed system
[NASA-CASE-LAR-10365-1] c 05 N72-27102

TURK, R. R.

Fabrication of controlled-porosity metals Patent
[NASA-CASE-XNP-04339] c 17 N71-29137

TURLY, A. P.

Time delay and integration detectors using charge transfer devices
[NASA-CASE-GSC-12324-1] c 33 N81-33403

TURNAGE, J. E.

Flame detector operable in presence of proton radiation
[NASA-CASE-MFS-21577-1] c 19 N74-29410

TURNER, G. B.

Driver for solar cell I-V characteristic plots
[NASA-CASE-NPO-14096-1] c 44 N80-18551

TURNER, J. W.

Measurement system
[NASA-CASE-MFS-20658-1] c 14 N73-30386

TURNER, R. C.

Thermocouple assembly Patent
[NASA-CASE-XNP-01659] c 14 N71-23039

TURNER, R. E.

Anemometer with braking mechanism Patent
[NASA-CASE-XMF-05224] c 14 N71-23726

Maxometers (peak wind speed anemometers)
[NASA-CASE-MFS-20916] c 14 N73-25460

TURNER, T. M.

A dual differential interferometer
[NASA-CASE-LAR-12966-1] c 71 N83-12969

TURNER, T. R.

Double hinged flap Patent
[NASA-CASE-XLA-01290] c 02 N70-42016

TUTTLE, S. A.

Application of luciferase assay for ATP to antimicrobial drug susceptibility
[NASA-CASE-GSC-12039-1] c 51 N77-22794

TVEITAN, W.

Data compression system
[NASA-CASE-XNP-09785] c 08 N69-21928

TWARD, E.

Cycling Joule Thomson refrigerator
[NASA-CASE-NPO-15251-1] c 31 N83-31897

TYAGI, R. C.

High field CdS detector for infrared radiation
[NASA-CASE-LAR-11027-1] c 35 N74-18088

Vapor phase growth of groups 3-5 compounds by hydrogen chloride transport of the elements
[NASA-CASE-LAR-11144-1] c 25 N75-26043

TYCZ, M.

Apparatus for simulating optical transmission links
[NASA-CASE-GSC-11877-1] c 74 N76-18913

TYLER, A. L.

Helical recorder arrangement for multiple channel recording on both sides of the tape
[NASA-CASE-GSC-10614-1] c 09 N72-11224

System for stabilizing torque between a balloon and gondola
[NASA-CASE-GSC-11077-1] c 02 N73-13008

TYREE, V. C.

Real-time multiple-look synthetic aperture radar processor for spacecraft applications
[NASA-CASE-NPO-14054-1] c 32 N82-12297

U

UBER, P. W.

Tape recorder Patent
[NASA-CASE-XGS-08259] c 14 N71-23698

ULRICH, B. R.

Aircraft-mounted crash-activated transmitter device
[NASA-CASE-MFS-16609-3] c 03 N76-32140

ULRICH, D. R.

Screened circuit capacitors
[NASA-CASE-LAR-10294-1] c 26 N72-28762

ULRICH, G. W.

Latching device
[NASA-CASE-MFS-21608-1] c 37 N75-19685

UNDERWOOD, J. H.

- Collimator of multiple plates with axially aligned identical random arrays of apertures
[NASA-CASE-MFS-20546-2] c 14 N73-30389
- Multiplate focusing collimator
[NASA-CASE-MFS-20932-1] c 35 N75-19616
- X-ray imaging mirror system and method of producing the same
[NASA-CASE-NPO-15828-1] c 74 N83-30222

UPDIKE, O. L.

- Apparatus for measuring a sorbate dispersed in a fluid stream
[NASA-CASE-ARC-10896-1] c 35 N78-19465

UPTON, D. T.

- Scanner
[NASA-CASE-GSC-12032-2] c 43 N82-13465

URBAN, E. W.

- Direct current transformer
[NASA-CASE-MFS-23659-1] c 33 N79-17133

URSEY, B. C.

- Collapsible nozzle extension for rocket engines Patent
[NASA-CASE-MFS-11497] c 28 N71-16224

V**VADAKAN, V. V.**

- Multicomputer communication system
[NASA-CASE-NPO-15433-1] c 62 N83-20634

VALENTIJN, H. P.

- Roll-up solar array Patent
[NASA-CASE-NPO-10188] c 03 N71-20273
- Deployable solar cell array
[NASA-CASE-NPO-10883] c 31 N72-22874

VALINSKY, J. P.

- Device for monitoring a change in mass in varying gravimetric environments
[NASA-CASE-MFS-21556-1] c 35 N74-26945

VALLOTTON, W. C.

- Anthropomorphic master/slave manipulator system
[NASA-CASE-ARC-10756-1] c 54 N77-32721
- Mechanical energy storage device for hip disarticulation
[NASA-CASE-ARC-10916-1] c 52 N78-10686

VANALSTYNE, E. M.

- Spacecraft Patent
[NASA-CASE-MSC-13047-1] c 31 N71-25434

VANARNAM, D. E.

- Pneumatic system for controlling and actuating pneumatic cyclic devices
[NASA-CASE-XMS-04843] c 03 N69-21469

VANATTA, L. C.

- Circularly polarized antenna
[NASA-CASE-ERC-10214] c 09 N72-31235

VANAUKEN, R.

- Reinforced polyquinoxaline gasket and method of preparing the same
[NASA-CASE-MFS-21364-1] c 37 N74-18126

VANDERHOFF, J. W.

- Process for preparation of large-particle-size monodisperse latexes
[NASA-CASE-MFS-25000-1] c 25 N81-19242

VANDERJET, E. K.

- Magnetic power switch Patent
[NASA-CASE-NPO-10242] c 09 N71-24803

VANGO, S. P.

- Liquid junction and method of fabricating the same Patent Application
[NASA-CASE-NPO-10682] c 15 N70-34699

VANNI, R. D.

- Flexible composite membrane Patent
[NASA-CASE-XNP-08837] c 18 N71-16210

VANNI, R. D.

- Curing agent for polyepoxides and epoxy resins and composites cured therewith
[NASA-CASE-LEW-13226-1] c 27 N81-17260

VANO, A. E.

- Quick attach mechanism Patent
[NASA-CASE-XFR-05421] c 15 N71-22994

VANORNUM, D. G.

- Electric arc light source having undercut recessed anode
[NASA-CASE-ARC-10266-1] c 33 N75-29318

VANSCHOIACK, M. M. E.

- High impedance measuring apparatus Patent
[NASA-CASE-XMS-08589-1] c 09 N71-20569

VANTUYLRUSCH, W.

- Millimeter wave radiometer for radio astronomy Patent
[NASA-CASE-XNP-08832] c 30 N71-23723

VARGO, D. J.

- Ophthalmic method and apparatus
[NASA-CASE-LEW-11669-1] c 05 N73-27062

VARMA, I. K.

- Phosphorus-containing bisimide resins
[NASA-CASE-ARC-11321-1] c 27 N81-27272

- Elastomer-modified phosphorus-containing imide resins
[NASA-CASE-ARC-11400-1] c 27 N83-14276

- Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-1] c 27 N83-31854

VARS, G.

- Seismic vibration source
[NASA-CASE-NPO-14112-1] c 46 N79-22679

VARY, A.

- Triode thermionic converter
[NASA-CASE-XLE-01015] c 03 N69-39898

- High temperature heat source Patent
[NASA-CASE-XLE-00490] c 33 N70-34545

- Radiant heater having formed filaments Patent
[NASA-CASE-XLE-00387] c 33 N70-34812

- Inductive liquid level detection system Patent
[NASA-CASE-XLE-01609] c 14 N71-10500

- Capillary radiator Patent
[NASA-CASE-XLE-03307] c 33 N71-14035

- Thermionic converter with current augmented by self induced magnetic field Patent
[NASA-CASE-XLE-01903] c 22 N71-23599

- Cyclic switch Patent
[NASA-CASE-LEW-10155-1] c 09 N71-29035

- Coal desulfurization by aqueous chlorination
[NASA-CASE-NPO-14902-1] c 25 N82-29371

- Phase locked phase modulator including a voltage controlled oscillator Patent
[NASA-CASE-XNP-05382] c 10 N71-23544

- Emergency lunar communications system
[NASA-CASE-MFS-21042] c 07 N72-25171

- Electrolytic cell structure
[NASA-CASE-LAR-11042-1] c 33 N75-27252

- Capillary flow weld-bonding
[NASA-CASE-LAR-11726-1] c 37 N76-27568

- Weld-bonded titanium structures
[NASA-CASE-LAR-11549-1] c 37 N77-11397

- Acoustically swept rotor
[NASA-CASE-ARC-11106-1] c 05 N80-14107

- Electromagnetic radiation energy arrangement
[NASA-CASE-WOO-00428-1] c 32 N79-19186

- Apparatus for establishing flow of a fluid mass having a known velocity
[NASA-CASE-MFS-21424-1] c 34 N74-27730

- Angular position and velocity sensing apparatus Patent
[NASA-CASE-XGS-05680] c 14 N71-17585

- Unidirectional step torque filter with zero backlash characteristic Patent
[NASA-CASE-XGS-04227] c 15 N71-21744

- Control apparatus for applying pulses of selectively predetermined duration to a sequence of loads Patent
[NASA-CASE-XGS-04224] c 10 N71-26418

- Synchronous dc direct drive system Patent
[NASA-CASE-GSC-10065-1] c 10 N71-27136

- Axially and radially controllable magnetic bearing
[NASA-CASE-GSC-11551-1] c 37 N76-18459

- Application of luciferase assay for ATP to antimicrobial drug susceptibility
[NASA-CASE-GSC-12039-1] c 51 N77-22794

- Determination of antimicrobial susceptibilities on infected unnes without isolation
[NASA-CASE-GSC-12046-1] c 52 N79-14750

- Facsimile video remodulation network
[NASA-CASE-GSC-10185-1] c 07 N72-12081

- Resistance soldering apparatus
[NASA-CASE-GSC-10913] c 15 N72-22491

- Indomethacin-acetaminophen combination for gastric ulceration control
[NASA-CASE-ARC-11118-2] c 52 N81-14613

- Atomic hydrogen maser with bulb temperature control to remove wall shift in maser output frequency
[NASA-CASE-HQN-10654-1] c 16 N73-13489

- Tunable cavity resonator with ramp shaped supports
[NASA-CASE-HQN-10790-1] c 36 N74-11313

- Method of obtaining permanent record of surface flow phenomena Patent
[NASA-CASE-XLA-01353] c 14 N70-41366

VICK, H. A.

- Blood pressure measuring system for separating and separately recording dc signal and an ac signal Patent
[NASA-CASE-XMS-06061] c 05 N71-23317

VICKERS, J. M.

- Portable electrophoresis apparatus using minimum electrolyte
[NASA-CASE-NPO-13274-1] c 25 N79-10163

VICKERS, J. M. F.

- Intermittent type silica gel adsorption refrigerator Patent
[NASA-CASE-XNP-00920] c 15 N71-15906

VIEMANN, W.

- Fluorescent radiation converter
[NASA-CASE-GSC-12528-1] c 74 N81-24900

VIKINSALO, S. J.

- Helmet latching and attaching ring
[NASA-CASE-XMS-04870] c 54 N78-17678

VILLARREAL, S.

- Receiving and tracking phase modulated signals
[NASA-CASE-MSC-16170-2] c 32 N81-16338

VINAL, A. W.

- Redundant memory organization Patent
[NASA-CASE-GSC-10564] c 10 N71-29135

VINCENT, J. S.

- Method of forming thin window drifted silicon charged particle detector Patent
[NASA-CASE-XLE-00808] c 24 N71-10560

VINE, J.

- Magnifying image intensifier
[NASA-CASE-GSC-12010-1] c 74 N78-18905

VIVIAN, H. C.

- Photosensitive device to detect bearing deviation Patent
[NASA-CASE-XNP-00438] c 21 N70-35089

- Space vehicle attitude control Patent
[NASA-CASE-XNP-00465] c 21 N70-35395

- Remodulator filter Patent
[NASA-CASE-NPO-10198] c 09 N71-24806

VODICKA, V. W.

- Magnetic recording head and method of making same Patent
[NASA-CASE-GSC-10097-1] c 08 N71-27210

VOECKS, G. E.

- Combustion engine system
[NASA-CASE-NPO-14585-2] c 25 N83-19826

VOGELEY, A. W.

- Cable arrangement for rigid tethering Patent
[NASA-CASE-XLA-02332] c 32 N71-17609

- Combined optical attitude and altitude indicating instrument Patent
[NASA-CASE-XLA-01907] c 14 N71-23268

VOLK, G. G.

- Portable device for use in starting air-start-units for aircraft and having cable lead testing capability
[NASA-CASE-FRC-10113-1] c 33 N80-26599

VOLKOFF, J. J.

- Electro-optical scanning apparatus Patent Application
[NASA-CASE-NPO-11106] c 14 N70-34697

VOLPE, F. A.

- Sun tracker with rotatable plane-parallel plate and two photocells Patent
[NASA-CASE-XGS-01159] c 21 N71-10678

- Attitude control system Patent
[NASA-CASE-XGS-04393] c 21 N71-14159

- Star scanner
[NASA-CASE-GSC-11569-1] c 89 N74-30886

VONPRAGENAU, G. L.

- Support apparatus for dynamic testing Patent
[NASA-CASE-XMF-01772] c 11 N70-41677

- Hydraulic support for dynamic testing Patent
[NASA-CASE-XMF-03248] c 11 N71-10604

- Space vehicle
[NASA-CASE-MFS-22734-1] c 18 N75-19329

- Translatory shock absorber for attitude sensors
[NASA-CASE-MFS-22905-1] c 19 N76-22284

- Attitude control system
[NASA-CASE-MFS-22787-1] c 15 N77-10113

- Space Shuttle with improved external propellant tank
[NASA-CASE-MFS-25853] c 16 N83-13149

- Damping seal for turbomachinery
[NASA-CASE-MFS-25842-1] c 37 N83-26080

VONROOS, O. H.

- Method and apparatus for measuring minority carrier lifetimes and bulk diffusion length in P-N junction solar cells
[NASA-CASE-NPO-14100-1] c 44 N79-12541

VONTIESENHAUSEN, G. F.

- Energy absorbing device Patent
[NASA-CASE-XMF-10040] c 15 N71-22877

- Beam connector apparatus and assembly
[NASA-CASE-MFS-25134-1] c 31 N83-31895

VORHABEN, K. H.

- System for producing chroma signals
[NASA-CASE-MSC-14683-1] c 74 N77-18893

VORKINK, H. G.

Variable frequency nuclear magnetic resonance spectrometer Patent
[NASA-CASE-XNP-09830] c 14 N71-26266

VORREITER, J. W.

Cryogenic container compound suspension strap
[NASA-CASE-ARC-11157-1] c 37 N80-18393

VRANAS, T.

Impact energy absorber Patent
[NASA-CASE-XLA-01530] c 14 N71-23092

High temperature strain gage calibration fixture
[NASA-CASE-LAR-11500-1] c 35 N76-24523

Hot foil transducer skin friction sensor
[NASA-CASE-LAR-12321-1] c 35 N82-24470

VUKELICH, E. K.

Method and device for detecting voids in low density material Patent
[NASA-CASE-MFS-20044] c 14 N71-28993

VYKUKAL, H. C.

Universal pilot restraint suit and body support therefor Patent
[NASA-CASE-XAC-00405] c 05 N70-41819

Hard space suit Patent
[NASA-CASE-XAC-07043] c 05 N71-23161

Locomotion and restraint aid Patent
[NASA-CASE-ARC-10153] c 05 N71-28619

Space suit having improved waist and torso movement
[NASA-CASE-ARC-10275-1] c 05 N72-22092

Anthropomorphic master/slave manipulator system
[NASA-CASE-ARC-10756-1] c 54 N77-32721

Walking boot assembly
[NASA-CASE-ARC-11101-1] c 54 N78-17675

Spacesuit mobility joints
[NASA-CASE-ARC-11058-1] c 54 N78-31735

Spacesuit torso closure
[NASA-CASE-ARC-11100-1] c 54 N78-31736

Cooling system for removing metabolic heat from an hermetically sealed spacesuit
[NASA-CASE-ARC-11058-1] c 54 N78-32721

Spacesuit mobility knee joints
[NASA-CASE-ARC-11058-2] c 54 N79-24651

Spine immobilization apparatus
[NASA-CASE-ARC-11167-1] c 52 N81-25662

Pressure suit joint analyzer
[NASA-CASE-ARC-11314-1] c 54 N82-26987

W**WADE, O. W.**

Method and apparatus for tensile testing of metal foil
[NASA-CASE-LAR-10208-1] c 35 N76-18400

WAGES, C. G.

Ultrasonic scanning system for in-place inspection of brazed tube joints
[NASA-CASE-MFS-20767-1] c 38 N74-15130

WAGNER, A. P.

Inverter ratio failure detector
[NASA-CASE-NPO-13160-1] c 35 N74-18090

WAGNER, C. A.

Rotating raster generator
[NASA-CASE-FRC-10071-1] c 32 N74-20813

Smoothing filter for digital to analog conversion
[NASA-CASE-FRC-11025-1] c 33 N82-24417

WAGNER, H. R.

Collapsible loop antenna for space vehicle Patent
[NASA-CASE-XMF-00437] c 07 N70-40202

WAKELYN, N. T.

Production of high purity silicon carbide Patent
[NASA-CASE-XLA-00158] c 26 N70-36805

Apparatus for producing high purity silicon carbide crystals Patent
[NASA-CASE-XLA-02057] c 26 N70-40015

Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent
[NASA-CASE-XLA-00284] c 15 N71-16075

Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent
[NASA-CASE-XLA-00302] c 15 N71-16077

Thermal control coating Patent
[NASA-CASE-XLA-01995] c 18 N71-23047

WALD, D.

Differential temperature transducer Patent
[NASA-CASE-XAC-00812] c 14 N71-15598

WALKER, D. J.

Flame detector operable in presence of proton radiation
[NASA-CASE-MFS-21577-1] c 19 N74-29410

WALKER, H. J.

Annular wing
[NASA-CASE-FRC-11007-2] c 05 N82-26277

WALKER, H. M.

Space environmental work simulator Patent
[NASA-CASE-XMF-07488] c 11 N71-18773

Cork-resin ablative insulation for complex surfaces and method for applying the same
[NASA-CASE-MFS-23626-1] c 24 N80-26388

WALKER, W. L.

Lightweight reflector assembly
[NASA-CASE-NPO-13707-1] c 74 N77-28933

WALL, R. J.

Automated clinical system for chromosome analysis
[NASA-CASE-NPO-13913-1] c 52 N79-12694

WALL, W. A.

Automatic weld torch guidance control system
[NASA-CASE-MFS-25807] c 37 N83-20154

WALL, W. A., JR.

Apparatus for welding torch angle and seam tracking control Patent
[NASA-CASE-XMF-03287] c 15 N71-15607

Automatic closed circuit television arc guidance control Patent
[NASA-CASE-MFS-13046] c 07 N71-19433

Automatic welding speed controller Patent
[NASA-CASE-XMF-01730] c 15 N71-23050

Welding skate with computerized control Patent
[NASA-CASE-XMF-07069] c 15 N71-23815

Internal flare angle gauge Patent
[NASA-CASE-XMF-04415] c 14 N71-24693

Computerized system for translating a torch head
[NASA-CASE-MFS-23620-1] c 37 N79-10421

WALLACE, C. J.

Membrane consisting of polyquaternary amine ion exchange polymer network interpenetrating the chains of thermoplastic matrix polymer
[NASA-CASE-NPO-14001-1] c 27 N81-14076

WALLACE, E. D.

Apparatus for tensile testing Patent
[NASA-CASE-XKS-06250] c 14 N71-15600

Valve seat with resilient support member Patent
[NASA-CASE-XKS-02582] c 15 N71-21234

Weld preparation machine Patent
[NASA-CASE-XKS-07953] c 15 N71-26134

WALLACE, G. R.

Pseudo-noise test set for communication system evaluation
[NASA-CASE-MFS-22671-1] c 35 N75-21582

Method of and means for testing a tape record/playback system
[NASA-CASE-MFS-22671-2] c 35 N77-17426

WALLINGFORD, W. M.

Differential phase shift keyed communication system
[NASA-CASE-MSC-14065-1] c 32 N74-26654

Differential phase shift keyed signal resolver
[NASA-CASE-MSC-14066-1] c 33 N74-27705

WALLIO, M. A.

Electric arc heater Patent
[NASA-CASE-XLA-00330] c 33 N70-34540

WALLIS, D. E.

Low-frequency radio navigation system
[NASA-CASE-NPO-15264-1] c 04 N81-22036

WALLSOM, R. E.

Self-locking mechanical center joint
[NASA-CASE-LAR-12864-1] c 37 N82-29606

Mechanical end joint system for structural column elements
[NASA-CASE-LAR-12482-1] c 37 N82-32732

WALSH, J. M.

Specific wavelength colorimeter
[NASA-CASE-MSC-14081-1] c 35 N74-27860

WALSH, J. V.

Pressure shutdown method and device for coal conversion systems
[NASA-CASE-NPO-15100-1] c 28 N81-33306

WALSH, T. C.

Vibration damping system Patent
[NASA-CASE-XMS-01620] c 23 N71-15673

WALSH, T. J.

Apparatus for making a metal slurry product Patent
[NASA-CASE-XLE-00010] c 15 N70-33382

WALSH, T. M.

Interferometric rotation sensor
[NASA-CASE-ARC-10278-1] c 14 N73-25463

WALTER, H. U.

Method of crystallization
[NASA-CASE-MFS-23001-1] c 76 N77-32919

WALTERS, R. M.

Telespectrograph Patent
[NASA-CASE-XLA-03273] c 14 N71-18699

WALTON, T. S.

Electronic checkout system for space vehicles Patent
[NASA-CASE-XKS-08012-2] c 31 N71-15566

WANG, D. S.

Installing fiber insulation
[NASA-CASE-MSC-16973-1] c 37 N81-14317

WANG, G. Y.

A synchronous binary array divider
[NASA-CASE-ERC-10180-1] c 60 N74-20836

WANG, T.

Acoustic particle separation
[NASA-CASE-NPO-15559-1] c 71 N82-29112

WANG, T. G.

Material suspension within an acoustically excited resonant chamber
[NASA-CASE-NPO-13263-1] c 12 N75-24774

Heat operated cryogenic electrical generator
[NASA-CASE-NPO-13303-1] c 20 N75-24837

Acoustic energy shaping
[NASA-CASE-NPO-13802-1] c 71 N78-10837

Acoustic driving of rotor
[NASA-CASE-NPO-14005-1] c 71 N79-20827

Method and apparatus for producing concentric hollow spheres
[NASA-CASE-NPO-14596-1] c 31 N81-33319

Acoustic rotation control
[NASA-CASE-NPO-15689-1] c 35 N82-24475

Method and apparatus for producing gas-filled hollow spheres
[NASA-CASE-NPO-14596-3] c 31 N83-31896

System for monitoring physical characteristics of fluids
[NASA-CASE-NPO-15400-1] c 34 N83-31993

Acoustic system for material transport
[NASA-CASE-NPO-15453-1] c 71 N83-32515

Acoustic bubble removal method
[NASA-CASE-NPO-15334-1] c 71 N83-35781

Acoustic suspension system
[NASA-CASE-NPO-15435-1] c 71 N83-36846

WANG, W. S.

Low temperature latching solenoid
[NASA-CASE-MSC-18106-1] c 33 N82-11357

WANGER, R. P.

Apparatus for sensor failure detection and correction in a gas turbine engine control system
[NASA-CASE-LEW-12907-2] c 07 N81-19115

WARD, D. R.

Automatically deploying nozzle exit cone extension Patent
[NASA-CASE-XLE-01640] c 31 N71-15637

WARD, J. F.

Variable geometry rotor system
[NASA-CASE-LAR-10557] c 02 N72-11018

WARD, J. O.

Digital automatic gain amplifier
[NASA-CASE-KSC-11008-1] c 33 N79-22373

WARD, W. D.

Vapor liquid separator Patent
[NASA-CASE-XMF-04042] c 15 N71-23023

WARKENTINE, D. K.

Automatic battery charger Patent
[NASA-CASE-XNP-04758] c 03 N71-24605

WARNECK, P.

Analytical photoionization mass spectrometer with an argon gas filter between the light source and monochromator Patent
[NASA-CASE-LAR-10180-1] c 06 N71-13461

WARREN, A. D.

Installing fiber insulation
[NASA-CASE-MSC-16973-1] c 37 N81-14317

WARREN, A. P.

Assembly for recovering a capsule Patent
[NASA-CASE-XMF-00641] c 31 N70-36410

Space capsule ejection assembly Patent
[NASA-CASE-XMF-03169] c 31 N71-15675

Method and apparatus for securing to a spacecraft Patent
[NASA-CASE-MFS-11133] c 31 N71-16222

WATERS, W. J.

Nickel-base alloy Patent
[NASA-CASE-XLE-00283] c 17 N70-36616

Nickel-base alloy containing Mo-W-Al-Cr-Ta-Zr-C-Nb-B Patent
[NASA-CASE-XLE-02082] c 17 N71-16026

WATERS, W. J.

Nickel base alloy
[NASA-CASE-LEW-10874-1] c 17 N72-22535

Method of forming superalloys
[NASA-CASE-LEW-10805-1] c 15 N73-13465

Method of heat treating a formed powder product material
[NASA-CASE-LEW-10805-3] c 26 N74-10521

Method of forming articles of manufacture from superalloy powders
[NASA-CASE-LEW-10805-2] c 37 N74-13179

Nickel base alloy
[NASA-CASE-LEW-12270-1] c 26 N77-32280

Multicolor printing plate joining
[NASA-CASE-LEW-13598-1] c 31 N83-17745

WATSON, J. D.

Tumbler system to provide random motion
[NASA-CASE-XGS-02437] c 15 N69-21472

WATSON, J. E.

High temperature spark plug Patent
[NASA-CASE-XLE-00660] c 28 N70-39925

- WATSON, N. D.**
Payload/burned-out motor case separation system Patent
[NASA-CASE-XLA-05369] c 31 N71-15687
- WATSON, V. R.**
Electric arc apparatus Patent
[NASA-CASE-XAC-01677] c 09 N71-20816
- WAYLAND, H. J.**
Servo-controlled intravital microscope system
[NASA-CASE-NPO-13214-1] c 35 N75-25123
- WEAR, J. D.**
Rocket engine Patent
[NASA-CASE-XLE-00342] c 28 N70-37980
- WEATHERS, G. D.**
Pseudo-noise test set for communication system evaluation
[NASA-CASE-MFS-22671-1] c 35 N75-21582
Method of and means for testing a tape record/playback system
[NASA-CASE-MFS-22671-2] c 35 N77-17426
- WEAVER, L. B.**
Multiple in-line docking capability for rotating space stations
[NASA-CASE-MFS-20855-1] c 15 N77-10112
- WEAVER, W. R.**
A solar pumped laser
[NASA-CASE-LAR-12870-1] c 36 N82-25497
- WEBB, D. D.**
Sprayable low density ablator and application process
[NASA-CASE-MFS-23506-1] c 24 N78-24290
- WEBB, D. L.**
Video sync processor Patent
[NASA-CASE-KSC-10002] c 10 N71-25865
Electronic video editor
[NASA-CASE-KSC-10003] c 10 N73-13235
- WEBB, J. A., JR.**
Circuit for detecting initial systole and diastolic notch
[NASA-CASE-LEW-11581-1] c 54 N75-13531
- WEBB, J. B.**
Delayed simultaneous release mechanism
[NASA-CASE-GSC-10814-1] c 03 N73-20039
- WEBBON, B. W.**
Tubular sublimatory evaporator heat sink
[NASA-CASE-ARC-10912-1] c 34 N77-19353
Spacesuit torso closure
[NASA-CASE-ARC-11100-1] c 54 N78-31736
Cooling system for removing metabolic heat from an hermetically sealed spacesuit
[NASA-CASE-ARC-11059-1] c 54 N78-32721
Pressure suit joint analyzer
[NASA-CASE-ARC-11314-1] c 54 N82-26987
- WEBER, G. E.**
Method of making reinforced composite structure
[NASA-CASE-LEW-12619-1] c 24 N77-19171
- WEBER, G. J.**
Multiple circuit protector device
[NASA-CASE-XMS-02744] c 33 N75-27249
Fused switch
[NASA-CASE-XMS-01244-1] c 33 N79-33393
- WEBER, L.**
Prevention of hydrogen embrittlement of high strength steel by hydrazine compositions
[NASA-CASE-NPO-12122-1] c 24 N76-14203
- WEBER, R. J.**
Venting vapor apparatus Patent
[NASA-CASE-XLE-00288] c 15 N70-34247
Supersonic-combustion rocket
[NASA-CASE-LEW-11058-1] c 20 N74-13502
- WEBSTER, J. A.**
Perfluoro alkylene dioxy-bis-(4-phthalic anhydrides and oxy-bis-(perfluoroalkyleneoxyphthalic anhydrides
[NASA-CASE-MFS-22356-1] c 23 N75-30256
Polymides of ether-linked aryl tetracarboxylic dianhydrides
[NASA-CASE-MFS-22355-1] c 23 N76-15268
- WEBSTER, L. D.**
Clutchless multiple drive source for output shaft
[NASA-CASE-ARC-11325-1] c 37 N82-22496
Sidelooking laser altimeter for a flight simulator
[NASA-CASE-ARC-11312-1] c 36 N83-34304
- WEETON, J. W.**
Reinforced metallic composites Patent
[NASA-CASE-XLE-02428] c 17 N70-33288
Method of making fiber reinforced metallic composites Patent
[NASA-CASE-XLE-00231] c 17 N70-38198
Reinforced metallic composites Patent
[NASA-CASE-XLE-00228] c 17 N70-38490
Method for producing fiber reinforced metallic composites Patent
[NASA-CASE-XLE-03925] c 18 N71-22894
Process for producing dispersion strengthened nickel with aluminum Patent
[NASA-CASE-XLE-06969] c 17 N71-24142
- Method of producing refractory composites containing tantalum carbide, hafnium carbide, and hafnium boride Patent
[NASA-CASE-XLE-03940] c 18 N71-26153
Method of making fiber composites
[NASA-CASE-LEW-10424-2-2] c 18 N72-25539
Refractory metal base alloy composites
[NASA-CASE-XLE-03940-2] c 17 N72-28536
Method for alleviating thermal stress damage in laminates
[NASA-CASE-LEW-12493-1] c 24 N81-17170
Method for alleviating thermal stress damage in laminates
[NASA-CASE-LEW-12493-2] c 24 N81-26179
- WEIDENHAMER, J. H.**
Isolation coupling arrangement for a torque measuring system
[NASA-CASE-XLA-04897] c 15 N72-22482
- WEIDMAN, D. J.**
High intensity heat and light unit Patent
[NASA-CASE-XLA-00141] c 09 N70-33312
- WEIDNER, J. P.**
Orbiter/launch system
[NASA-CASE-LAR-12250-1] c 14 N81-26161
- WEIGAND, A. J.**
Texturing polymer surfaces by transfer casting
[NASA-CASE-LEW-13120-1] c 27 N82-28440
- WEINGART, J. M.**
Stacked solar cell arrays
[NASA-CASE-NPO-11771] c 03 N73-20040
- WEINSTEIN, L.**
Application of luciferase assay for ATP to antimicrobial drug susceptibility
[NASA-CASE-GSC-12039-1] c 51 N77-22794
Determination of antimicrobial susceptibilities on infected urnes without isolation
[NASA-CASE-GSC-12046-1] c 52 N79-14750
- WEINSTEIN, L. M.**
Continuous laminar smoke generator
[NASA-CASE-LAR-13014-1] c 28 N83-35158
- WEINSTEIN, M.**
Bonding thermoelectric elements to nonmagnetic refractory metal electrodes
[NASA-CASE-XGS-04554] c 15 N69-39786
Segmenting lead telluride-silicon germanium thermoelements Patent
[NASA-CASE-XGS-05718] c 26 N71-16037
- WEISS, P. F.**
Acquisition and tracking system for optical radar
[NASA-CASE-MFS-20125] c 16 N72-13437
- WEISS, S.**
Pre-treatment method for anti-wettable materials
[NASA-CASE-XMS-03537] c 15 N69-21471
- WEITZEL, D. F.**
Propellant tank pressurization system Patent
[NASA-CASE-XNP-00650] c 27 N71-28929
- WEITZEL, D. H.**
Resilience testing device Patent
[NASA-CASE-XLA-08254] c 14 N71-26161
- WELCH, W. A.**
Gas filter mounting structure
[NASA-CASE-MSC-12297] c 14 N72-23457
- WELLING, C. E.**
Thermally activated foaming compositions Patent
[NASA-CASE-LAR-10373-1] c 18 N71-26155
- WELLMAN, J. B.**
Gas flow control device
[NASA-CASE-NPO-11479] c 15 N73-13462
- WELLS, A. F.**
Water system virus detection
[NASA-CASE-MSC-16098-1] c 51 N78-10693
- WELLS, B. R.**
Apparatus for ejection of an instrument cover
[NASA-CASE-XMF-04132] c 15 N69-27502
- WELLS, F. E.**
Positive displacement flowmeter Patent
[NASA-CASE-XMF-02822] c 14 N70-41994
Remote control manipulator for zero gravity environment
[NASA-CASE-MFS-14405] c 15 N72-28495
- WELLS, J. D.**
Wind and solar powered turbine
[NASA-CASE-NPO-15496-1] c 44 N82-28784
- WELLS, W. H.**
Rotable accurate reflector system for telescopes Patent
[NASA-CASE-NPO-10468] c 23 N71-33229
- WELLS, W. L.**
Electric-arc heater Patent
[NASA-CASE-XLA-00330] c 33 N70-34540
- WENDT, A. J.**
Rotating mandrel for assembly of inflatable devices Patent
[NASA-CASE-XLA-04143] c 15 N71-17687
- WENZEL, G. E.**
Amplifier drift tester
[NASA-CASE-XMS-05562-1] c 09 N69-39986
- WERNER, E. A.**
Method and apparatus for making curved reflectors Patent
[NASA-CASE-XLE-08917] c 15 N71-15597
Apparatus for making curved reflectors Patent
[NASA-CASE-XLE-08917-2] c 15 N71-24836
- WESSELSKI, C. J.**
Energy absorbing structure Patent Application
[NASA-CASE-MSC-12279-1] c 15 N70-35679
Low onset rate energy absorber
[NASA-CASE-MSC-12279] c 15 N72-17450
- WEST, R. L.**
Device for handling printed circuit cards Patent
[NASA-CASE-MFS-20453] c 15 N71-29133
- WEST, R. W., JR.**
Method and apparatus for making a heat insulating and ablative structure Patent
[NASA-CASE-XMS-02009] c 33 N71-20834
- WESTBROOK, R. M.**
Electrode construction Patent
[NASA-CASE-ARC-10043-1] c 05 N71-11193
- WESTER, Q. W.**
The dc-to-dc converters employing staggered-phase power switches with two-loop control
[NASA-CASE-NPO-13512-1] c 33 N77-10428
Phase substitution of spare converter for a failed one of parallel phase staggered converters
[NASA-CASE-NPO-13812-1] c 33 N77-30365
- WESTON, K. C.**
Heat shield Patent
[NASA-CASE-XMS-00488] c 33 N70-33344
- WESTPHAL, J. A.**
Method and apparatus for aligning a laser beam projector Patent
[NASA-CASE-NPO-11087] c 23 N71-29125
- WETMORE, J. W.**
Aircraft instrument Patent
[NASA-CASE-XLA-00487] c 14 N70-40157
- WETZLER, D. G.**
Thrust-isolating mounting
[NASA-CASE-MFS-21680-1] c 18 N74-27397
- WEYLER, G. M., JR.**
Rotatable mass for a flywheel
[NASA-CASE-MFS-23051-1] c 37 N79-10422
Method of manufacture of bonded fiber flywheel
[NASA-CASE-MFS-23674-1] c 24 N81-29163
- WEZNER, F. S.**
Collapsible reflector Patent
[NASA-CASE-XMS-03454] c 09 N71-20658
- WHEATLEY, D. G.**
Hermetic sealed vibration damper Patent
[NASA-CASE-MSC-10959] c 15 N71-26243
- WHEELER, D. R.**
Refractory coatings and method of producing the same
[NASA-CASE-LEW-13169-1] c 26 N82-29415
Refractory coatings
[NASA-CASE-LEW-13169-2] c 26 N82-30371
- WHEELER, R. K.**
Method and apparatus for stable silicon dioxide layers on silicon grown in silicon nitride ambient
[NASA-CASE-ERC-10073-1] c 24 N74-19769
- WHEELER, S.**
Wind tunnel microphone structure Patent
[NASA-CASE-XNP-00250] c 11 N71-28779
- WHEELER, S. B.**
Fluid containers and resealable septum therefor Patent
[NASA-CASE-NPO-10123] c 15 N71-24835
- WHIFFEN, E. L.**
Grain refinement control in TIG arc welding
[NASA-CASE-MSC-19095-1] c 37 N75-19683
- WHIPPLE, D. W.**
Microcircuit negative cutter
[NASA-CASE-XLA-09843] c 15 N72-27485
- WHIPPLE, E. C., JR.**
Method and apparatus for determining satellite orientation utilizing spatial energy sources Patent
[NASA-CASE-XGS-00466] c 21 N70-34297
- WHIPPLE, R. D.**
Extended moment arm anti-spin device
[NASA-CASE-LAR-12979-1] c 02 N83-29173
- WHISENANT, J. T.**
Inspection gage for boss Patent
[NASA-CASE-XMF-04966] c 14 N71-17658
- WHITACRE, H. E.**
Quick release hook tape Patent
[NASA-CASE-XMS-10660-1] c 15 N71-25975
Scientific experiment flexible mount
[NASA-CASE-MSC-12372-1] c 31 N72-25842
- WHITCOMB, R. T.**
Airfoil shape for flight at subsonic speeds
[NASA-CASE-LAR-10585-1] c 02 N76-22154

- WHITE, A. R.**
Scientific experiment flexible mount
[NASA-CASE-MSC-12372-1] c 31 N72-25842
- WHITE, E. C.**
Method of making pressurized panel Patent
[NASA-CASE-XLA-08916] c 15 N71-29018
Pressurized panel
[NASA-CASE-XLA-08916-2] c 14 N73-28487
Lightweight, variable solidity knitted parachute fabric
[NASA-CASE-LAR-10776-1] c 02 N74-10034
- WHITE, F. A.**
Coincidence apparatus for detecting particles
[NASA-CASE-XLA-07813] c 14 N72-17328
A low energy electron magnetometer
[NASA-CASE-LAR-12706-1] c 35 N81-19428
- WHITE, J. A.**
Magnetically centered liquid column float Patent
[NASA-CASE-XAC-00030] c 14 N70-34820
- WHITE, M. H.**
Time delay and integration detectors using charge transfer devices
[NASA-CASE-GSC-12324-1] c 33 N81-33403
- WHITE, P. R.**
Solar tracking system
[NASA-CASE-MFS-23999-1] c 44 N81-24520
- WHITE, W. F.**
Dual resonant cavity absorption cell Patent
[NASA-CASE-LAR-10305] c 14 N71-26137
Resonant waveguide stark cell
[NASA-CASE-LAR-11352-1] c 33 N75-26245
- WHITE, W. L.**
Dual towline anti-spin device
[NASA-CASE-LAR-13076-1] c 05 N83-34934
- WHITE, W. T.**
Method of bonding plasticized elastomer to metal and articles produced thereby
[NASA-CASE-MFS-25181-1] c 27 N82-24340
- WHITEHEAD, A. B.**
Method and means for helium/hydrogen ratio measurement by alpha scattering
[NASA-CASE-NPO-14079-1] c 25 N80-20334
- WHITEHEAD, C. W.**
Apparatus for inserting and removing specimens from high temperature vacuum furnaces
[NASA-CASE-LAR-10841-1] c 31 N74-27900
- WHITFIELD, C. E.**
Selective plating of etched circuits without removing previous plating Patent
[NASA-CASE-XGS-03120] c 15 N71-24047
- WHITMORE, F. C.**
Continuous magnetic flux pump
[NASA-CASE-XNP-01187] c 15 N73-28516
Superconductive magnetic-field-trapping device
[NASA-CASE-XNP-01185] c 26 N73-28710
Magnetic-flux pump
[NASA-CASE-XNP-01188] c 15 N73-32361
- WHITT, W. D.**
General purpose rocket furnace
[NASA-CASE-MFS-23460-1] c 12 N79-26075
- WHITTEN, D. E.**
Dual stage check valve
[NASA-CASE-MSC-13587-1] c 15 N73-30459
- WHITTENBERGER, J. D.**
Zirconium modified nickel-copper alloy
[NASA-CASE-LEW-12245-1] c 26 N77-20201
Method and apparatus for gripping uniaxial fibrous composite materials
[NASA-CASE-LEW-13758-1] c 24 N83-12176
- WIBERG, R. E.**
Combustion products generating and metering device
[NASA-CASE-GSC-11095-1] c 14 N72-10375
- WIEBE, E. R.**
Automatic thermal switch Patent
[NASA-CASE-XNP-03796] c 23 N71-15467
Helium refrigerator and method for decontaminating the refrigerator
[NASA-CASE-NPO-10634] c 23 N72-25619
Refrigerated coaxial coupling
[NASA-CASE-NPO-13504-1] c 33 N75-30430
Helium refrigerator
[NASA-CASE-NPO-13435-1] c 31 N76-14284
Multistation refrigeration system
[NASA-CASE-NPO-13839-1] c 31 N78-25256
- WIECH, R. E.**
Zeta potential flowmeter Patent
[NASA-CASE-XNP-06509] c 14 N71-23226
- WIKER, G. A.**
Compact artificial hand
[NASA-CASE-NPO-13906-1] c 54 N79-24652
Automatic multi-banking of memory for microprocessors
[NASA-CASE-NPO-15295-1] c 60 N82-11785
- WILEM, R. T.**
Natural turbulence electrical power generator
[NASA-CASE-LAR-11551-1] c 44 N80-29834
- WILEY, F. L.**
Temperature regulation circuit Patent
[NASA-CASE-XNP-02792] c 14 N71-28958
- WILEY, P. H.**
Logarithmic circuit with wide dynamic range
[NASA-CASE-GSC-12145-1] c 33 N78-32339
- WILGUS, D. S.**
Adaptive voting computer system
[NASA-CASE-MSC-13932-1] c 62 N74-14920
- WILHELM, H. E.**
Apparatus for extraction and separation of a preferentially photo-dissociated molecular isotope into positive and negative ions by means of an electric field
[NASA-CASE-LEW-12465-1] c 25 N78-25148
- WILHITE, W. F.**
Micropacked column for a chromatographic system
[NASA-CASE-XNP-04816] c 06 N69-39936
- WILKEY, J. W., JR.**
Velocity package Patent
[NASA-CASE-XLA-01339] c 31 N71-15692
- WILKINS, J. R.**
Apparatus for microbiological sampling
[NASA-CASE-LAR-11069-1] c 35 N75-12272
Automatic inoculating apparatus
[NASA-CASE-LAR-11074-1] c 51 N75-13502
Automatic microbial transfer device
[NASA-CASE-LAR-11354-1] c 35 N75-27330
Measurement of gas production of microorganisms
[NASA-CASE-LAR-11326-1] c 35 N75-33368
Automated single-slide staining device
[NASA-CASE-LAR-11649-1] c 51 N77-27677
Electrochemical detection device
[NASA-CASE-LAR-11922-1] c 25 N79-24073
Indirect microbial detection
[NASA-CASE-LAR-12520-1] c 51 N81-28698
Apparatus and process for microbial detection and enumeration
[NASA-CASE-LAR-12709-1] c 35 N82-28604
- WILL, H. A.**
Process for fabricating SiC semiconductor devices
[NASA-CASE-LEW-12094-1] c 76 N76-25049
- WILL, R. W.**
Attitude control and damping system for spacecraft Patent
[NASA-CASE-XLA-02551] c 21 N71-21708
- WILLIAMS, B. A.**
Thermistor holder for skin temperature measurements
[NASA-CASE-ARC-10855-1] c 52 N77-10780
Liquid cooled brassiere and method of diagnosing malignant tumors therewith
[NASA-CASE-ARC-11007-1] c 52 N77-14736
Cooling system for removing metabolic heat from an hermetically sealed spacesuit
[NASA-CASE-ARC-11059-1] c 54 N78-32721
- WILLIAMS, D. D.**
Apparatus for changing the orientation and velocity of a spinning body traversing a path Patent
[NASA-CASE-HQN-00936] c 31 N71-29050
- WILLIAMS, D. N.**
Low temperature aluminum alloy Patent
[NASA-CASE-XMF-02786] c 17 N71-20743
- WILLIAMS, E. F.**
Automatic liquid inventory collecting and dispensing unit
[NASA-CASE-LAR-11071-1] c 35 N75-19611
- WILLIAMS, J. G.**
Light regulator
[NASA-CASE-LAR-10836-1] c 26 N72-27784
Light intensity strain analysis
[NASA-CASE-LAR-10765-1] c 32 N73-20740
- WILLIAMS, J. R.**
Holographic thin film analyzer
[NASA-CASE-MFS-20823-1] c 16 N73-30476
- WILLIAMS, L. A.**
Apparatus for electrolytically tapered or contoured cavities
[NASA-CASE-XNP-08835-1] c 37 N80-14395
- WILLIAMS, L. A., JR.**
Fluid velocity measuring device
[NASA-CASE-LAR-11729-1] c 34 N79-12359
- WILLIAMS, M. D.**
Measurement of time differences between luminous events Patent
[NASA-CASE-XLA-01987] c 23 N71-23976
Volumetric direct nuclear pumped laser
[NASA-CASE-LAR-12183-1] c 36 N79-18307
- WILLIAMS, M. L.**
Non-destructive method for applying and removing instrumentation on helicopter rotor blades
[NASA-CASE-LAR-11201-1] c 35 N78-24515
- WILLIAMS, R. M.**
Photoelectrochemical electrodes
[NASA-CASE-NPO-15458-1] c 76 N83-25587
- WILLIAMS, S. R.**
Bidirectional step torque filter with zero backlash characteristic Patent
[NASA-CASE-XGS-04227] c 15 N71-21744
- WILLIAMS, T. E.**
System for and method of freezing biological tissue
[NASA-CASE-GSC-12173-1] c 51 N79-10694
- WILLIAMS, W. F.**
System for interference signal nulling by polarization adjustment
[NASA-CASE-NPO-13140-1] c 32 N75-24982
Dual band combiner for horn antenna
[NASA-CASE-NPO-14519-1] c 32 N80-23524
- WILLIS, A. E.**
Static inverters which sum a plurality of waves Patent
[NASA-CASE-XMF-00663] c 08 N71-18752
A dc to dc converter
[NASA-CASE-MFS-25430-1] c 33 N82-28550
- WILLNER, K.**
Inverter oscillator with voltage feedback
[NASA-CASE-NPO-10760] c 09 N72-25254
- WILNER, B. M.**
Electrolytically regenerative hydrogen-oxygen fuel cell Patent
[NASA-CASE-XLE-04526] c 03 N71-11052
- WILSON, A. H.**
Vehicular impact absorption system
[NASA-CASE-NPO-14014-1] c 37 N79-10420
- WILSON, D. J.**
Wind measurement system
[NASA-CASE-MFS-23362-1] c 47 N77-10753
- WILSON, E. M.**
Wind tunnel
[NASA-CASE-LAR-10135-1] c 09 N79-21083
- WILSON, I. J.**
Method of producing complex aluminum alloy parts of high temper, and products thereof
[NASA-CASE-MSC-18693-1] c 26 N78-24333
- WILSON, J. C.**
Exhaust flow deflector
[NASA-CASE-LAR-11570-1] c 34 N76-18364
- WILSON, L. R.**
Phase modulating with odd and even finite power series of a modulating signal
[NASA-CASE-LAR-11607-1] c 32 N77-14292
- WILSON, M. L.**
Nondestructive spot test method for titanium and titanium alloys
[NASA-CASE-LAR-10539-1] c 17 N73-12547
Nondestructive spot test method for magnesium and magnesium alloys
[NASA-CASE-LAR-10953-1] c 17 N73-27446
- WILSON, M. N., JR.**
Space simulator Patent
[NASA-CASE-XNP-00459] c 11 N70-38675
- WILSON, R. E.**
Automatic pump Patent
[NASA-CASE-XNP-04731] c 15 N71-24042
- WILSON, R. L.**
Twin-capacitive shaft angle encoder with analog output signal
[NASA-CASE-ARC-10897-1] c 33 N77-31404
- WILSON, T. G.**
Regulated dc-to-dc converter for voltage step-up or step-down with input-output isolation
[NASA-CASE-HQN-10792-1] c 33 N74-11049
- WILSON, T. L.**
Automatic flowmeter calibration system
[NASA-CASE-KSC-11076-1] c 34 N81-26402
- WILSON, W. A.**
Methods and apparatus employing vibratory energy for wrenching Patent
[NASA-CASE-MFS-20586] c 15 N71-17686
- WILSON, W. O.**
Rocket chamber leak test fixture
[NASA-CASE-XFR-09479] c 14 N69-27503
- WIMBER, R. T.**
Silicide coatings for refractory metals Patent
[NASA-CASE-XLE-10910] c 18 N71-29040
- WINBLADE, R. L.**
Energy management system for glider type vehicle Patent
[NASA-CASE-XFR-00756] c 02 N71-13421
- WING, L. D.**
Automatic thermal switch
[NASA-CASE-GSC-12415-1] c 33 N82-24419
Automatic thermal switch
[NASA-CASE-GSC-12553-1] c 34 N83-28356
- WINGFIELD, G. A.**
Resonant waveguide stark cell
[NASA-CASE-LAR-11352-1] c 33 N75-26245
- WINIARSKI, F. J.**
Wobble gear drive mechanism
[NASA-CASE-WOO-00625] c 37 N78-17385

- WINITZ, M.**
Amino acid analysis
[NASA-CASE-NPO-12130-1] c 25 N75-14844
Reduction of blood serum cholesterol
[NASA-CASE-NPO-12119-1] c 52 N75-15270
- WINKELSTEIN, R. A.**
Noninterruptible digital counting system Patent
[NASA-CASE-XNP-09759] c 08 N71-24891
Controlled oscillator system with a time dependent output frequency
[NASA-CASE-NPO-11962-1] c 33 N74-10194
Baseband signal combiner for large aperture antenna array
[NASA-CASE-NPO-14641-1] c 32 N81-29308
- WINKLER, C. E.**
Static inverters which sum a plurality of waves Patent
[NASA-CASE-XMF-00663] c 08 N71-18752
- WINKLER, H. E.**
Electrophotolysis oxidation system for measurement of organic concentration in water
[NASA-CASE-MS-C-16497-1] c 25 N82-12166
Bio-medical flow sensor
[NASA-CASE-MS-C-18761-1] c 52 N83-27577
- WINKLER, T.**
AC logic flip-flop circuits Patent
[NASA-CASE-XGS-00823] c 10 N71-15910
- WINN, L. E.**
Ellipsograph for pantograph Patent
[NASA-CASE-XLA-03102] c 14 N71-21079
Lathe tool bit and holder for machining fiberglass materials
[NASA-CASE-XLA-10470] c 15 N72-21489
Liquid waste feed system
[NASA-CASE-LAR-10365-1] c 05 N72-27102
- WINTUCKY, E. G.**
Ion beam textured graphite electrode plates
[NASA-CASE-LEW-12919-2] c 24 N82-26386
Ion sputter textured graphite
[NASA-CASE-LEW-12919-1] c 24 N83-10117
- WIRTH, M. N.**
Selective data segment monitoring system
[NASA-CASE-ARC-10899-1] c 60 N77-19760
- WISANDER, D. W.**
Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-2] c 37 N82-26674
Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-1] c 27 N82-29453
Method of fabricating an abradable gas path seal
[NASA-CASE-LEW-13269-2] c 27 N83-17714
Laser surface fusion of plasma sprayed ceramic turbine seals
[NASA-CASE-LEW-13269-1] c 18 N83-20996
Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-3] c 37 N83-28450
- WISE, R. C.**
Space suit
[NASA-CASE-MS-C-12609-1] c 05 N73-32012
- WISE, T. E.**
Microwave dichroic plate
[NASA-CASE-GSC-12171-1] c 33 N79-28416
- WITHEROW, W. K.**
Method of and apparatus for double-exposure holographic interferometry
[NASA-CASE-MFS-25405-1] c 35 N81-27459
Dual laser optical system and method for studying fluid flow
[NASA-CASE-MFS-25315-1] c 36 N83-29680
- WITTE, R. S.**
Gas ion laser construction for electrically isolating the pressure gauge thereof
[NASA-CASE-MFS-22597] c 36 N78-17366
- WITTMANN, A. E.**
Method of coating circuit paths on printed circuit boards with solder Patent
[NASA-CASE-XMF-01599] c 09 N71-20705
- WITTROCK, E. P.**
Metal shearing energy absorber
[NASA-CASE-HQN-10638-1] c 15 N73-30460
- WITZKE, W. R.**
Apparatus for making a metal slurry product Patent
[NASA-CASE-XLE-00010] c 15 N70-33382
Process for making a high toughness-high strength ion alloy
[NASA-CASE-LEW-12542-2] c 26 N79-22271
High toughness-high strength iron alloy
[NASA-CASE-LEW-12542-3] c 26 N80-32484
- WOBIG, O. A.**
Fluid power transmission Patent
[NASA-CASE-XMS-01445] c 12 N71-16031
Apparatus for machining geometric cones Patent
[NASA-CASE-XMS-04292] c 15 N71-22722
- WOELLER, F. H.**
Chelate-modified polymers for atmospheric gas chromatography
[NASA-CASE-ARC-11154-1] c 25 N80-23383
- WOJCIECHOWSKI, C. J.**
Diffuser/ejector system for a very high vacuum environment
[NASA-CASE-MFS-15791-1] c 37 N82-33712
- WOJTASINSKI, R. J.**
Lightning tracking system
[NASA-CASE-KSC-10729-1] c 09 N73-32110
Automatic lightning detection and photographic system
[NASA-CASE-KSC-10728-1] c 14 N73-32319
Electric field measuring and display system
[NASA-CASE-KSC-10731-1] c 33 N74-27862
Lightning current measuring systems
[NASA-CASE-KSC-10807-1] c 33 N75-26246
Lightning current waveform measuring system
[NASA-CASE-KSC-11018-1] c 33 N79-10337
- WOLCZOK, J. M.**
Wideband heterodyne receiver for laser communication system
[NASA-CASE-GSC-12053-1] c 32 N77-28346
- WOLF, C. B.**
Method of producing silicon
[NASA-CASE-NPO-14382-1] c 31 N80-18231
- WOLF, D. A.**
Heat pipe thermal switch
[NASA-CASE-12812-1] c 34 N83-35307
- WOLF, F. T.**
Air bearing
[NASA-CASE-WLP-10002] c 15 N72-17451
- WOLFE, J. F.**
Thermoset-thermoplastic aromatic polyamides
[NASA-CASE-LAR-12723-1] c 27 N81-15107
- WOLFF, J. R.**
High speed binary to decimal conversion system Patent
[NASA-CASE-XGS-01230] c 08 N71-19544
- WOLLER, J. A.**
Evacuation port seal Patent
[NASA-CASE-XMF-03290] c 15 N71-23256
- WOLOWICZ, C. H.**
Free wing assembly for an aircraft
[NASA-CASE-FRC-10092-1] c 05 N79-12061
- WOLTHUIS, R. A.**
Contourograph system for monitoring electrocardiograms
[NASA-CASE-MS-C-13407-1] c 10 N72-20225
Apparatus and method for processing Korotkov sounds
[NASA-CASE-MS-C-13999-1] c 52 N74-26626
- WOLVERTON, B. C.**
Method for treating wastewater using microorganisms and vascular aquatic plants
[NASA-CASE-NSTL-10-1] c 25 N82-25335
- WONG, R. Y.**
Plurality of photosensitive cells on a pyramidal base for planetary trackers
[NASA-CASE-XNP-04180] c 07 N69-39736
Apparatus for absorbing and measuring power Patent
[NASA-CASE-XLE-00720] c 14 N70-40201
Television signal processing system Patent
[NASA-CASE-NPO-10140] c 07 N71-24742
Video signal enhancement system with dynamic range compression and modulation index expansion Patent
[NASA-CASE-NPO-10343] c 07 N71-27341
- WONG, W. J.**
Phase protection system for ac power lines
[NASA-CASE-MS-C-17832-1] c 33 N74-14956
- WOO, K. E.**
High impact antenna Patent
[NASA-CASE-NPO-10231] c 07 N71-26101
Multi-purpose antenna employing dish reflector with plural coaxial horn feeds
[NASA-CASE-NPO-11264] c 07 N72-25174
Multiple-beam, high-power, precision pointing antenna system
[NASA-CASE-NPO-15406-1] c 33 N82-12345
- WOO, R. T.**
Low loss dichroic plate
[NASA-CASE-NPO-13171-1] c 32 N74-11000
- WOOD, A. D.**
Transient heat transfer gauge Patent
[NASA-CASE-XNP-09802] c 33 N71-15641
- WOOD, C. E.**
Gas ion laser construction for electrically isolating the pressure gauge thereof
[NASA-CASE-MFS-22597] c 36 N78-17366
- WOOD, G. E.**
Simultaneous acquisition of tracking data from two stations
[NASA-CASE-NPO-13292-1] c 32 N75-15854
- WOOD, G. M., JR.**
Gas analyzer for bi-gaseous mixtures Patent
[NASA-CASE-XLA-01131] c 14 N71-10774
- WOOD, G. P.**
Plasma accelerator Patent
[NASA-CASE-XLA-00675] c 25 N70-33267
- WOOD, J. W.**
Broadband video process with very high input impedance
[NASA-CASE-NPO-10199] c 09 N72-17156
- WOOD, K. E.**
High temperature penetrator assembly with bayonet plug and ramp-activated lock
[NASA-CASE-MS-C-18526-1] c 37 N82-24494
Apparatus for accurately preloading auger attachment means for frangible protective material
[NASA-CASE-MS-C-18791-1] c 37 N83-36482
- WOOD, L. L.**
Continuous plasma light source
[NASA-CASE-XNP-04167-2] c 25 N72-24753
Continuous plasma laser
[NASA-CASE-XNP-04167-3] c 36 N77-19416
- WOOD, P. C.**
Process for the preparation of calcium superoxide
[NASA-CASE-ARC-11053-1] c 25 N79-10162
Use of glow discharge in fluidized beds
[NASA-CASE-ARC-11245-1] c 28 N82-18401
- WOOD, R. A.**
Low temperature aluminum alloy Patent
[NASA-CASE-XMF-02786] c 17 N71-20743
- WOOD, R. C.**
Apparatus for sampling particulates in gases
[NASA-CASE-HQN-10037-1] c 14 N73-27376
- WOODBURY, R. C.**
Noise limiter Patent
[NASA-CASE-NPO-10169] c 10 N71-24844
Gated compressor, distortionless signal limiter
[NASA-CASE-NPO-11820-1] c 32 N74-19788
Apparatus for scanning the surface of a cylindrical body
[NASA-CASE-NPO-11861-1] c 36 N74-20009
- WOODGATE, B. E.**
Method and apparatus for slicing crystals
[NASA-CASE-GSC-12291-1] c 76 N80-18951
- WOODIE, P. E.**
Thermal conductive connection and method of making same Patent
[NASA-CASE-XMS-02087] c 09 N70-41717
- WOODS, G. J.**
Electronic checkout system for space vehicles Patent
[NASA-CASE-XKS-08012-2] c 31 N71-15566
- WOODS, G. M., JR.**
Instrument for measuring potentials on two dimensional electric field plots Patent
[NASA-CASE-XLA-08493] c 10 N71-19421
A low energy electron magnetometer
[NASA-CASE-LAR-12706-1] c 35 N81-19428
- WOODS, J. M.**
Powerplexer
[NASA-CASE-MS-C-12396-1] c 03 N73-31988
- WOOLFSON, M. G.**
Linear sawtooth voltage-wave generator employing transistor timing circuit having capacitor-zener diode combination feedback Patent
[NASA-CASE-XMS-01315] c 09 N70-41675
Pulse modulator providing fast rise and fall times Patent
[NASA-CASE-XMS-04919] c 09 N71-23270
Multiple slope sweep generator Patent
[NASA-CASE-XMS-03542] c 09 N71-28926
- WOOLLAM, J. A.**
Hall effect magnetometer
[NASA-CASE-LEW-11632-2] c 35 N75-13213
Atomic hydrogen storage method and apparatus
[NASA-CASE-LEW-12081-1] c 28 N78-24365
Atomic hydrogen storage
[NASA-CASE-LEW-12081-2] c 28 N80-20402
Atomic hydrogen storage method and apparatus
[NASA-CASE-LEW-12081-3] c 28 N81-14103
- WORNOM, D. E.**
Leading edge curvature based on convective heating Patent
[NASA-CASE-XLA-01486] c 01 N71-23497
- WORTMAN, J. J.**
Semiconductor p-n junction stress and strain sensor
[NASA-CASE-XLA-04980] c 09 N69-27422
Method of making semiconductor p-n junction stress and strain sensor
[NASA-CASE-XLA-04980-2] c 14 N72-28438
Particulate and aerosol detector
[NASA-CASE-LAR-11434-1] c 35 N76-22509
- WRIGHT, D. B.**
Method for measuring cutaneous sensory perception
[NASA-CASE-MS-C-13609-1] c 05 N72-25122

WRIGHT, D. E.

Penetrating radiation system for detecting the amount of liquid in a tank Patent
[NASA-CASE-MSC-12280] c 27 N71-16348

WRIGHT, E. E., JR.

System for sterilizing objects
[NASA-CASE-KSC-11085-1] c 54 N81-24724

WRIGHT, L. N.

Vibrophonocardiograph Patent
[NASA-CASE-XFR-07172] c 05 N71-27234

WRIGHT, W. H.

Voltage regulator with plural parallel power source sections Patent
[NASA-CASE-GSC-10891-1] c 10 N71-26626
Shunt regulation electric power system
[NASA-CASE-GSC-10135] c 33 N78-17296

WRINKLE, W. W.

Apparatus for remote handling of materials
[NASA-CASE-LAR-10634-1] c 37 N74-18123

WU, C.

Real-time multiple-look synthetic aperture radar processor for spacecraft applications
[NASA-CASE-NPO-14054-1] c 32 N82-12297
A pipelined digital SAR azimuth correlator using hybrid FFT/transversal-filter
[NASA-CASE-NPO-15519-1] c 32 N82-12298
Method and apparatus for self-calibration and phasing of array antenna
[NASA-CASE-NPO-15920-1] c 32 N82-33593
Method and apparatus for contour mapping using synthetic aperture radar
[NASA-CASE-NPO-15939-1] c 43 N83-20324

WU, V. C.

Apparatus for determining changes in limb volume
[NASA-CASE-MSC-18759-1] c 52 N83-27578

WUENSCHER, H. F.

Recoverable rocket vehicle Patent
[NASA-CASE-XMF-00389] c 31 N70-34176
Serpentuator Patent
[NASA-CASE-XMF-05344] c 31 N71-16345
Space manufacturing machine Patent
[NASA-CASE-MFS-20410] c 15 N71-19214
Method of making foamed materials in zero gravity
[NASA-CASE-XMF-09902] c 15 N72-11387
Hermetically sealed elbow actuator
[NASA-CASE-MFS-14710] c 09 N72-22195

WUERKER, R. F.

Spatial filter for Q-switched lasers
[NASA-CASE-LEW-12164-1] c 36 N77-32478
Microbalance
[NASA-CASE-MSC-11242] c 35 N78-17358

WYBLE, C. W.

Thermal conductive connection and method of making same Patent
[NASA-CASE-XMS-02087] c 09 N70-41717

WYDEVEN, T.

Preparation of dielectric coating of variable dielectric constant by plasma polymerization
[NASA-CASE-ARC-10892-2] c 27 N79-14214
Use of glow discharge in fluidized beds
[NASA-CASE-ARC-11245-1] c 28 N82-18401
Method for the preparation of thin-skinned asymmetric reverse osmosis membranes and products thereof
[NASA-CASE-ARC-11359-1] c 27 N82-28444

WYDEVEN, T. J.

Process for the preparation of calcium superoxide
[NASA-CASE-ARC-11053-1] c 25 N79-10162
Electric discharge for treatment of trace contaminants
[NASA-CASE-ARC-10975-1] c 33 N79-15245
Oxygen post-treatment of plastic surface coated with plasma polymerized silicon-containing monomers
[NASA-CASE-ARC-10915-2] c 27 N79-18052
Reverse osmosis membrane of high urea rejection properties
[NASA-CASE-ARC-10980-1] c 27 N80-23452

WYDEVEN, T. J., JR.

Method of preparing water purification membranes
[NASA-CASE-ARC-10643-1] c 25 N75-12087

WYLIE, G. M.

Sealed battery gas manifold construction Patent
[NASA-CASE-XNP-03378] c 03 N71-11051

WYMAN, C. L.

Acquisition and tracking system for optical radar
[NASA-CASE-MFS-20125] c 16 N72-13437
Strain gauge ambiguity sensor for segmented mirror active optical system
[NASA-CASE-MFS-20506-1] c 35 N75-12273
System for the measurement of ultra-low stray light levels
[NASA-CASE-MFS-23513-1] c 74 N79-11865
Iodine generator for reclaimed water purification
[NASA-CASE-MSC-14632-1] c 54 N78-14784

WYSOCKI, J. J.

Radiation resistant silicon semiconductor devices Patent
[NASA-CASE-XGS-07801] c 09 N71-12513

Y

YAGER, S. P.

Piping arrangement through a double chamber structure
[NASA-CASE-XNP-08882] c 15 N69-39935

YAMAKAWA, K. A.

Scriber for silicon wafers
[NASA-CASE-NPO-15539-1] c 37 N82-11469
Apparatus and method to keep the walls of a free space reactor free from deposits of solid materials
[NASA-CASE-NPO-15851-1] c 73 N83-12986

YAMAKI, D. A.

A solvent resistant, thermoplastic aromatic poly(imidesulfone) and process for preparing same
[NASA-CASE-LAR-12858-2] c 27 N83-29391
Solvent resistant thermoplastic aromatic poly(imidesulfone) and process for preparing same
[NASA-CASE-LAR-12858-1] c 27 N83-34041

YAMAUCHI, S. T.

Degassifying and mixing apparatus for liquids
[NASA-CASE-MSC-18936-1] c 35 N83-29652

YANAGITA, H.

Rhombohedral prism pair for rotating the plane of parallel light beams
[NASA-CASE-ARC-11311-1] c 74 N83-13978

YANG, C. Y.

Zirconium carbide as an electrocatalyst for the chromous-chromic redox couple
[NASA-CASE-LEW-13246-1] c 44 N83-27344

YANG, L. C.

Optically actuated two position mechanical mover
[NASA-CASE-NPO-13105-1] c 37 N74-21060
Optically detonated explosive device
[NASA-CASE-NPO-11743-1] c 28 N74-27425
Compact pulsed laser having improved heat conductance
[NASA-CASE-NPO-13147-1] c 36 N77-25502
Seismic vibration source
[NASA-CASE-NPO-14112-1] c 46 N79-22679
Underwater seismic source
[NASA-CASE-NPO-14255-1] c 46 N79-23555
Portable heatable container
[NASA-CASE-NPO-14237-1] c 44 N80-20808
Instrumentation for sensing moisture content of material using a transient thermal pulse
[NASA-CASE-NPO-15494-1] c 35 N82-25484
Apparatus and method for destructive removal of particles contained in a flowing fluid
[NASA-CASE-NPO-15426-1] c 45 N83-20447
Method and device for detection of a substance
[NASA-CASE-NPO-14940-1] c 33 N83-31954

YANG, M.

Trace water sensor
[NASA-CASE-NPO-15722-1] c 35 N83-20084

YANG, P. M.

Fluid power transmitting gas bearing Patent
[NASA-CASE-ERC-10097] c 15 N71-28465

YARIV, A.

Arrangement for damping the resonance in a laser diode
[NASA-CASE-NPO-15980-1] c 36 N82-28618

YASUI, R. K.

Solar cell submodule Patent
[NASA-CASE-NXP-05821] c 03 N71-11056
Solar cell matrix Patent
[NASA-CASE-NPO-10821] c 03 N71-19545
Solar cell matrix
[NASA-CASE-NPO-11190] c 03 N71-34044
Stacked solar cell arrays
[NASA-CASE-NPO-11771] c 03 N73-20040
Solar cell grid patterns
[NASA-CASE-NPO-13087-2] c 44 N76-31666
Solar array strip and a method for forming the same
[NASA-CASE-NPO-13652-1] c 44 N79-17314
Bonding machine for forming a solar array strip
[NASA-CASE-NPO-13652-2] c 44 N79-24431
Method for forming a solar array strip
[NASA-CASE-NPO-13652-3] c 44 N80-14474

YEAGER, P. R.

Gas analyzer for bi-gaseous mixtures Patent
[NASA-CASE-XLA-01131] c 14 N71-10774
Thermopile vacuum gage tube simulator Patent
[NASA-CASE-XLA-02758] c 14 N71-18481
Fast scan control for deflection type mass spectrometers
[NASA-CASE-LAR-11428-1] c 35 N74-34857

YEH, C.

Fiber distributed feedback laser
[NASA-CASE-NPO-13531-1] c 36 N76-24553

YEH, Y. C. M.

Schottky barrier solar cell
[NASA-CASE-NPO-13689-2] c 44 N81-29525
Method of fabricating Schottky barrier solar cell
[NASA-CASE-NPO-13689-4] c 44 N82-28780

YEN, S. P. S.

Ion-exchange hollow fibers
[NASA-CASE-NPO-13309-1] c 25 N81-19244

YEUNG, J. A.

Ranging system
[NASA-CASE-NPO-15865-1] c 74 N83-12991

YIN, L. I.

Low intensity X-ray and gamma-ray imaging device
[NASA-CASE-GSC-12263-1] c 74 N79-20857
Real-time 3D X-ray and gamma-ray viewer
[NASA-CASE-GSC-12640-1] c 74 N82-10862
Low intensity X-ray and gamma-ray spectrometer
[NASA-CASE-GSC-12587-1] c 35 N82-32659
The 3-dimensional and tomographic imaging device for X-ray and gamma-ray emitting objects
[NASA-CASE-GSC-12851-1] c 35 N83-20083

YOSHINO, S. Y.

Bonding or repairing process
[NASA-CASE-MSC-12357] c 15 N73-12489

YOST, V. H.

Apparatus for welding torch angle and seam tracking control Patent
[NASA-CASE-XMF-03287] c 15 N71-15607

YOST, W. T.

Liquid-immersible electrostatic ultrasonic transducer
[NASA-CASE-LAR-12465-1] c 33 N82-26572

YOUNG, A. L.

Control valve and co-axial variable injector Patent
[NASA-CASE-XNP-09702] c 15 N71-17654
Semitoroidal diaphragm cavitating valve Patent
[NASA-CASE-XNP-09704] c 12 N71-18615

YOUNG, D. L.

Fluidized bed coal combustion reactor
[NASA-CASE-NPO-14273-1] c 25 N82-11144

YOUNG, D. R.

Skeletal stressing method and apparatus Patent
[NASA-CASE-ARC-10100-1] c 05 N71-24738
Programmable physiological infusion
[NASA-CASE-ARC-10447-1] c 52 N74-22771

YOUNG, H.

Radio frequency shielded enclosure Patent
[NASA-CASE-XMF-09422] c 07 N71-19436

YOUNG, K. M.

High voltage power supply
[NASA-CASE-GSC-12818-1] c 33 N83-29594

YOUNG, L. R.

Display research collision warning system
[NASA-CASE-HQN-10703] c 21 N73-13643
Adaptive polarization separation
[NASA-CASE-LAR-12196-1] c 33 N81-26358

YOUNG, R. N.

Ac power amplifier Patent Application
[NASA-CASE-LAR-10218-1] c 09 N70-34559

Automatic balancing device Patent

[NASA-CASE-LAR-10774] c 10 N71-13545

Independent power generator

[NASA-CASE-LAR-11208-1] c 44 N78-32539

Electrochemical detection device

[NASA-CASE-LAR-11922-1] c 25 N79-24073

YOUNG, S. G.

Method of protecting a surface with a silicon-slurry/aluminate coating
[NASA-CASE-LEW-13343-1] c 27 N82-28441
Silicon-slurry/aluminate coating
[NASA-CASE-LEW-13343] c 26 N83-31795

YOUNG, W. J.

Phonocardiograph transducer Patent
[NASA-CASE-XMS-05365] c 14 N71-22993

YOUNG, W. R.

Apparatus for measuring an aircraft's speed and height
[NASA-CASE-LAR-12275-1] c 35 N79-18296

YOUNGBERG, C. L.

Sphere forming method and apparatus
[NASA-CASE-NPO-15070-1] c 31 N83-35176

YOUNGBLUTH, O., JR.

Method and apparatus for mapping the sensitivity of the face of a photodetector specifically a PMT
[NASA-CASE-LAR-10320-1] c 09 N72-23172
Versatile LDV burst simulator
[NASA-CASE-LAR-11859-1] c 35 N79-14349

YOUNGHANS, J. L.

Curved centerline air intake for a gas turbine engine
[NASA-CASE-LEW-13201-1] c 07 N81-14999

YU, I. P.

Multiple band circularly polarized microstrip antenna
[NASA-CASE-MSC-18334-1] c 32 N80-32604

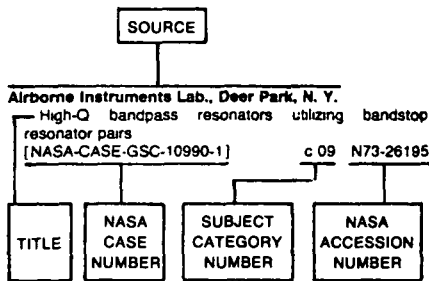
Z

- ZABOWER, H. R.**
Hand-held photomicroscope
[NASA-CASE-ARC-10468-1] c 14 N73-33361
- ZAHlava, B. A.**
Vacuum probe surface sampler
[NASA-CASE-LAR-10623-1] c 14 N73-30395
- ZAPLATYNSKY, I.**
Castable high temperature refractory materials
[NASA-CASE-LEW-13080-2] c 27 N82-11210
Method and apparatus for coating substrates using lasers
[NASA-CASE-LEW-13526-1] c 26 N82-22347
- ZAREMBA, J. G.**
Passive caging mechanism Patent
[NASA-CASE-GSC-10306-1] c 15 N71-24694
- ZARETSKY, E. V.**
Method of improving the reliability of a rolling element system Patent
[NASA-CASE-XLE-02999] c 15 N71-16052
- ZAVADA, E. J.**
Frangible tube energy dissipation Patent
[NASA-CASE-XLA-00754] c 15 N70-34850
- ZAVIANTSEFF, V.**
Apparatus for ionization analysis
[NASA-CASE-ARC-10017-1] c 14 N72-29464
- ZEANAH, H. W.**
Filtering device
[NASA-CASE-MFS-22729-1] c 32 N76-21366
- ZEBKER, H. A.**
Synthetic aperture radar target simulator
[NASA-CASE-NPO-15024-1] c 32 N82-10286
- ZEBROWSKI, Z. E.**
Attitude control system for sounding rockets Patent
[NASA-CASE-XGS-01654] c 31 N71-24750
- ZEBUS, P. P.**
Adjustable securing base
[NASA-CASE-MS-C-19666-1] c 37 N78-17383
Variable contour securing system
[NASA-CASE-MS-C-16270-1] c 37 N78-27423
- ZEIGER, R. J.**
Concentric differential gearing arrangement
[NASA-CASE-ARC-10462-1] c 37 N74-27901
- ZELLNER, G. J.**
Gas cooled high temperature thermocouple Patent
[NASA-CASE-XLE-09475-1] c 33 N71-15568
- ZEMAN, J. R.**
Lamp modulator
[NASA-CASE-KSC-10565] c 09 N72-25250
- ZERGER, R. S.**
Constant temperature heat sink for calorimeters Patent
[NASA-CASE-XMF-04208] c 33 N71-29051
- ZERLAUT, G. A.**
Stabilized zinc oxide coating compositions Patent
[NASA-CASE-XMF-07770-2] c 18 N71-26772
Synthesis of zinc titanate pigment and coatings containing the same
[NASA-CASE-MFS-13532] c 18 N72-17532
- ZERWEKH, P. S.**
Ultrasonic transducer with Gaussian radial pressure distribution
[NASA-CASE-LAR-12967-1] c 35 N83-12397
- ZIEMKE, M. C.**
Constant temperature heat sink for calorimeters Patent
[NASA-CASE-XMF-04208] c 33 N71-29051
- ZIMMERMAN, B. G.**
Sun tracker with rotatable plane-parallel plate and two photocells Patent
[NASA-CASE-XGS-01159] c 21 N71-10678
Gravity gradient attitude control system Patent
[NASA-CASE-GSC-10555-1] c 21 N71-27324
Passive dual spin misalignment compensators
[NASA-CASE-GSC-11479-1] c 35 N74-28097
- ZIMMERMAN, E. F.**
Apparatus for applying cover slides
[NASA-CASE-NPO-10575] c 03 N72-25019
- ZIMMERMAN, J. E.**
Coal-shale interface detection system
[NASA-CASE-MFS-23720-2] c 43 N80-14423
- ZIMMERMAN, P. A.**
Chassis unit insert tightening-extract device
[NASA-CASE-XMS-01077-1] c 37 N79-33467
- ZIMMERMAN, R. L.**
Thermally operated valve Patent
[NASA-CASE-XLE-00815] c 15 N70-35407
Double optic system for ion engine Patent
[NASA-CASE-XNP-02839] c 28 N70-41922
- ZIOLKOWSKI, A. J.**
Multi-lobar scan horizon sensor Patent
[NASA-CASE-XGS-00809] c 21 N70-35427
- ZLATKIS, A.**
Analysis of volatile organic compounds
[NASA-CASE-MS-C-14428-1] c 23 N77-17161
- ZMUDA, L. J.**
Safety-type locking pin
[NASA-CASE-MFS-18495] c 15 N72-11385
- ZMUIDZINAS, J. S.**
Stabilization of He2(a 3 Sigma u+) molecules in liquid helium by optical pumping for vacuum UV laser 6
[NASA-CASE-NPO-13993-1] c 72 N79-13826
- ZOHAR, S.**
Counting digital filters
[NASA-CASE-NPO-11821-1] c 08 N73-26175
- ZOOK, H. A.**
Meteoroid capture cell construction
[NASA-CASE-MS-C-12423-1] c 91 N76-30131
- ZORUMSKI, W. E.**
Remote controlled tubular disconnect Patent
[NASA-CASE-XLA-01396] c 03 N71-12259
Noise suppressor
[NASA-CASE-LAR-11141-1] c 07 N74-32418
- ZOTTARELLI, L. J.**
Magnetic core current steering commutator Patent
[NASA-CASE-NPO-10201] c 08 N71-18694
Drive circuit utilizing two cores Patent
[NASA-CASE-XNP-01318] c 10 N71-23033
Current steering switch Patent
[NASA-CASE-XNP-08567] c 09 N71-26000
Digital memory in which the driving of each word location is controlled by a switch core Patent
[NASA-CASE-XNP-01466] c 10 N71-26434
- ZRUBEK, W. E.**
System for monitoring signal amplitude ranges
[NASA-CASE-XMS-04061-1] c 09 N69-39885
- ZUCCARO, J. J.**
Electrode construction Patent
[NASA-CASE-ARC-10043-1] c 05 N71-11193
- ZUCKERWAR, A. J.**
Instrumentation for measurement of aircraft noise and sonic boom
[NASA-CASE-LAR-11173-1] c 35 N75-19614
Instrumentation for measuring aircraft noise and sonic boom
[NASA-CASE-LAR-11476-1] c 07 N76-27232
Differential sound level meter
[NASA-CASE-LAR-12106-1] c 71 N78-14867
High-temperature microphone system
[NASA-CASE-LAR-12375-1] c 32 N79-24203
Acoustic ground impedance meter
[NASA-CASE-LAR-12995-1] c 71 N83-15044
Flow resistivity instrument
[NASA-CASE-LAR-13053-1] c 43 N83-29783
- ZURASKY, J. L.**
Monitoring deposition of films
[NASA-CASE-MFS-20675] c 26 N73-26751
- ZWIENER, J. M.**
Real time reflectometer
[NASA-CASE-MFS-23118-1] c 35 N77-31465
- ZYGIELBAUM, A. I.**
Communications link for computers
[NASA-CASE-NPO-11161] c 08 N72-25207
Digital video display system using cathode ray tube
[NASA-CASE-NPO-11342] c 09 N72-25248
Numerical computer peripheral interactive device with manual controls
[NASA-CASE-NPO-11497] c 08 N73-25206
Digital demodulator-correlator
[NASA-CASE-NPO-13982-1] c 32 N79-14267

NASA PATENT ABSTRACTS BIBLIOGRAPHY Section 2

JANUARY 1984

Typical Source Index Listing



Listings in this index are arranged alphabetically by source. The title of the document provides the user with a brief description of the subject matter. The NASA Case Number is the prime access point to patent documents. The subject category number indicates the category in Section 1 (Abstracts) in which the citation is located. The NASA accession number denotes the number by which the citation is identified within the subject category. The titles are arranged under each source in ascending accession number order.

A

Aeroflex Labs, Inc., Plainview, N. Y.
Rotary actuator
[NASA-CASE-NPO-10244] c 15 N72-26371

Aerojet-General Corp., El Monte, Calif.
High-speed infrared furnace
[NASA-CASE-XLE-10466] c 17 N69-25147

Ammonium perchlorate composite propellant containing an organic transitional metal chelate catalytic additive Patent
[NASA-CASE-LAR-10173-1] c 27 N71-14090

Swirling flow nozzle Patent
[NASA-CASE-XNP-03692] c 28 N71-24321

Automatic battery charger Patent
[NASA-CASE-XNP-04758] c 03 N71-24605

Altitude control system for sounding rockets Patent
[NASA-CASE-XGS-01654] c 31 N71-24750

Tensile strength testing device Patent
[NASA-CASE-XNP-05634] c 15 N71-24834

Hydroforming techniques using epoxy molds Patent
[NASA-CASE-XLE-05641-1] c 15 N71-26346

Electrical apparatus for detection of thermal decomposition of insulation Patent
[NASA-CASE-XMF-03968] c 14 N71-27186

Method and apparatus for nondestructive testing of pressure vessels
[NASA-CASE-NPO-12142-1] c 38 N76-28563

Aerojet-General Corp., Glendale, Calif.
Rotating shaft seal Patent
[NASA-CASE-XNP-02862-1] c 15 N71-26294

Aerojet-General Corp., Sacramento, Calif.
Process of forming particles in a cryogenic path Patent
[NASA-CASE-NPO-10250] c 23 N71-16212

Aeronautical Research Associates of Princeton, Inc., N. J.
Integrated lift/drag controller for aircraft
[NASA-CASE-ARC-10456-1] c 05 N75-12930

Air Products and Chemicals, Inc., Philadelphia, Pa.
Low heat leak connector for cryogenic system
[NASA-CASE-XLE-02367-1] c 31 N79-21225

Airborne Instruments Lab., Deer Park, N. Y.
High-Q bandpass resonators utilizing bandstop resonator pairs
[NASA-CASE-GSC-10990-1] c 09 N73-26195

Airtronics, Inc., Washington, D.C.
Protection for energy conversion systems
[NASA-CASE-XGS-04808] c 03 N69-25146

Inverter with means for base current shaping for sweeping charge carriers from base region Patent
[NASA-CASE-XGS-06226] c 10 N71-25950

AlResearch Mfg. Co., Torrance, Calif.
Adaptive control system for line-commutated inverters
[NASA-CASE-MFS-25209-1] c 33 N81-31480

American Air Filter Co., Inc., St. Louis, Mo.
Gas filter mounting structure
[NASA-CASE-MSC-12297] c 14 N72-23457

American Optical Co., Pittsburgh, Pa.
Telespectrograph Patent
[NASA-CASE-XLA-03273] c 14 N71-18699

American Optical Co., Southbridge, Mass.
Pneumatic mirror support system
[NASA-CASE-XLA-03271] c 11 N69-24321

American Science and Engineering, Inc., Cambridge, Mass.
X-ray reflection collimator adapted to focus X-radiation directly on a detector Patent
[NASA-CASE-XHQ-04106] c 14 N70-40240

Amper Corp., Redwood City, Calif.
Method for making conductors for ferrite memory arrays
[NASA-CASE-LAR-10994-1] c 24 N75-13032

Anocut Engineering Co., Chicago, Ill.
Apparatus for electrolytically tapered or contoured cavities
[NASA-CASE-XNP-08835-1] c 37 N80-14395

Applied Magnetics Corp., Goleta, Calif.
Magnetic recording head and method of making same Patent
[NASA-CASE-GSC-10097-1] c 08 N71-27210

Applied Physics Lab., Johns Hopkins Univ., Laurel, Md.
Open loop digital frequency multiplier
[NASA-CASE-MSC-12709-1] c 33 N77-24375

Applied Physics Lab., Johns Hopkins Univ., Silver Spring, Md.
Telemetry synchronizer
[NASA-CASE-GSC-11868-1] c 17 N76-22245

Applied Space Products, Inc., Palo Alto, Calif.
Intumescent paints Patent
[NASA-CASE-ARC-10099-1] c 18 N71-15469

Army Aviation Research and Development Command, Moffett Field, Calif.
Clutchless multiple drive source for output shaft
[NASA-CASE-ARC-11325-1] c 37 N82-22496

Astro Research Corp., Carpinteria, Calif.
Foldable beam
[NASA-CASE-LAR-12077-1] c 31 N81-25259

Astro-Space Labs, Inc., Huntsville, Ala.
Linear differential pressure sensor Patent
[NASA-CASE-XMF-01974] c 14 N71-22752

Athens Coll., Ala.
Apparatus and method for heating a material in a transparent ampoule
[NASA-CASE-MFS-25436-1] c 76 N81-30012

Atlantic Research Corp., Alexandria, Va.
Spherically-shaped rocket motor Patent
[NASA-CASE-XHQ-01897] c 28 N70-35381

Auburn Research Foundation, Inc., Ala.
Shear modulated fluid amplifier Patent
[NASA-CASE-MFS-10412] c 12 N71-17578

Laser coolant and ultraviolet filter
[NASA-CASE-MFS-20180] c 16 N72-12440

Auburn Univ., Ala.
Automatic frequency control for FM transmitter
[NASA-CASE-MFS-21540-1] c 32 N74-19790

Isolated output system for a class D switching-mode amplifier
[NASA-CASE-MFS-21616-1] c 33 N75-30429

Frequency modulated oscillator
[NASA-CASE-MFS-23181-1] c 33 N77-17351

Autonetics, Anaheim, Calif.
Adaptive voting computer system
[NASA-CASE-MSC-13932-1] c 62 N74-14920

Avco Corp., Cincinnati, Ohio.
Method for forming pyrrone molding powders and products of said method
[NASA-CASE-LAR-10423-1] c 23 N82-29358

Avco Corp., New York.
Signal multiplexer
[NASA-CASE-XGS-01110] c 07 N69-24334

Avco Corp., Wilmington, Mass.
Method and apparatus for making a heat insulating and ablative structure Patent
[NASA-CASE-XMS-02009] c 33 N71-20834

B

Baldwin Electronics, Inc., Little Rock, Ark.
Digital plus analog output encoder
[NASA-CASE-GSC-12115-1] c 62 N76-31946

Baldwin-Lima-Hamilton Corp., San Francisco, Calif.
Valve actuator Patent
[NASA-CASE-XHQ-01208] c 15 N70-35409

Bail Bros. Research Corp., Boulder, Colo.
Turnstile slot antenna
[NASA-CASE-GSC-11428-1] c 32 N74-20884

Star scanner
[NASA-CASE-GSC-11569-1] c 89 N74-30886

Barnes Engineering Co., Stamford, Conn.
Multi-lobar scan horizon sensor Patent
[NASA-CASE-XGS-00809] c 21 N70-35427

Horizon sensor with a plurality of fixedly positioned radiation compensated radiation sensitive detectors Patent
[NASA-CASE-XNP-06957] c 14 N71-21086

Miniature carbon dioxide sensor and methods
[NASA-CASE-MSC-13332-1] c 14 N72-21408

Wedge immersed thermistor bolometers
[NASA-CASE-XGS-01245-1] c 35 N79-33449

Battelle Columbus Labs., Ohio.
Attaching of strain gages to substrates
[NASA-CASE-FRC-10093-1] c 35 N80-20560

Battelle Memorial Inst., Columbus, Ohio.
Process for preparation of daniolosilanes Patent
[NASA-CASE-XMF-06409] c 06 N71-23230

Process for preparation of high-molecular-weight polyaryloxysilanes Patent
[NASA-CASE-XMF-08674] c 06 N71-28807

Method for determining presence of OH in magnesium oxide
[NASA-CASE-NPO-10774] c 06 N72-17095

Porus electrode comprising a bonded stack of pieces of corrugated metal foil
[NASA-CASE-GSC-11368-1] c 09 N73-32108

Method of making porous conductive supports for electrodes
[NASA-CASE-GSC-11367-1] c 44 N74-18692

Battelle Memorial Inst., Richland, Wash.
Low temperature aluminum alloy Patent
[NASA-CASE-XMF-02786] c 17 N71-20743

Battelle Northwest Labs., Richland, Wash.
Preparation of high purity copper fluoride
[NASA-CASE-LEW-10794-1] c 06 N72-17093

Bausch and Lomb, Inc., Rochester, N. Y.
Petzval type objective including field shaping lens Patent
[NASA-CASE-GSC-10700] c 23 N71-30027

Illumination system including a virtual light source Patent
[NASA-CASE-HQN-10781] c 23 N71-30292

Baylor Univ., Houston, Tex.
EEG sleep analyzer and method of operation Patent
[NASA-CASE-MSC-13282-1] c 05 N71-24729

Compressible biomedical electrode
[NASA-CASE-MSC-13648] c 05 N72-27103

Beckman Instruments, Inc., Anaheim, Calif.
Pressure modulating valve
[NASA-CASE-MSC-14905-1] c 37 N77-28487

SOURCE

C

Baylor Univ., Houston, Tex.

- EEG sleep analyzer and method of operation Patent
[NASA-CASE-MSC-13282-1] c 05 N71-24729
- Compressible biomedical electrode
[NASA-CASE-MSC-13648] c 05 N72-27103
- Beckman Instruments, Inc., Anaheim, Calif.**
Pressure modulating valve
[NASA-CASE-MSC-14905-1] c 37 N77-28487
- Beckman Instruments, Inc., Fullerton, Calif.**
Pulse activated polarographic hydrogen detector
Patent
[NASA-CASE-XMF-06531] c 14 N71-17575
- Electronic divider and multiplier using photocells
Patent
[NASA-CASE-XFR-05637] c 09 N71-19480
- Pulse generating circuit employing switch means on ends of delay line for alternately charging and discharging same
Patent
[NASA-CASE-XNP-00745] c 10 N71-28960
- Gas operated actuator
[NASA-CASE-NPO-11340] c 15 N72-33477
- Specific wavelength colorimeter
[NASA-CASE-MSC-14081-1] c 35 N74-27860
- Beckman Instruments, Inc., South Pasadena, Calif.**
Pneumatic system for controlling and actuating pneumatic cyclic devices
[NASA-CASE-XMS-04843] c 03 N69-21469
- Becton, Dickinson and Co., Rutherford, N.J.**
Vacuum probe surface sampler
[NASA-CASE-LAR-10623-1] c 14 N73-30395
- Beech Aircraft Corp., Wichita, Kans.**
X-ray determination of parts alignment
[NASA-CASE-MSC-20418-1] c 37 N83-17882
- Bell Aerospace Co., Buffalo, N. Y.**
Modulator for tone and binary signals
[NASA-CASE-GSC-11743-1] c 32 N75-24981
- Correlation type phase detector
[NASA-CASE-GSC-11744-1] c 33 N75-26243
- Bell Aerosystems Co., Buffalo, N. Y.**
Lunar landing flight research vehicle
Patent
[NASA-CASE-XFR-00929] c 31 N70-34966
- Flexibly connected support and skin
Patent
[NASA-CASE-XLA-01027] c 31 N71-24035
- Injection head for delivering liquid fuel and oxidizers
[NASA-CASE-NPO-10046] c 28 N72-17843
- Flight control system
[NASA-CASE-MSC-13397-1] c 21 N72-25595
- Bell and Howell Co., Chicago, Ill.**
Boron trifluoride coatings for thermoplastic materials and method of applying same in glow discharge
[NASA-CASE-ARC-11057-1] c 27 N78-31233
- Process for producing a well-adhered durable optical coating on an optical plastic substrate
[NASA-CASE-ARC-11039-1] c 74 N78-32854
- Bellcomm, Inc., Washington, D. C.**
Physical correction filter for improving the optical quality of an image
[NASA-CASE-HQN-10542-1] c 74 N75-25706
- Bendix Corp., Ann Arbor, Mich.**
Circuit breaker utilizing magnetic latching relays
Patent
[NASA-CASE-MSC-11277] c 09 N71-29008
- Bendix Corp., Columbia, Md.**
Microwave dichroic plate
[NASA-CASE-GSC-12171-1] c 33 N79-28416
- Bendix Corp., Davenport, Iowa.**
Dual stage check valve
[NASA-CASE-MSC-13587-1] c 15 N73-30459
- Bendix Corp., Detroit, Mich.**
Deformable vehicle wheel
Patent
[NASA-CASE-MFS-20400] c 31 N71-18611
- Bendix Corp., Huntsville, Ala.**
Multi axes vibration fixtures
[NASA-CASE-MFS-20242] c 14 N73-19421
- Bendix Corp., Kennedy Space Center, Fla.**
Color perception tester
[NASA-CASE-KSC-10278] c 05 N72-16015
- Bendix Corp., Teterboro, N. J.**
Evacuation valve
[NASA-CASE-LAR-10061-1] c 15 N72-31483
- Bendix Research Labs., Southfield, Mich.**
Image tube
[NASA-CASE-GSC-11602-1] c 33 N74-21850
- Bionetics Corp., Hampton, Va.**
Small conductive particle sensor
[NASA-CASE-LAR-12552-1] c 35 N82-11431
- Boeing Aerospace Co., Houston, Tex.**
Fluid sample collection and distribution system
[NASA-CASE-MSC-16841-1] c 34 N79-24285
- Method and automated apparatus for detecting coliform organisms
[NASA-CASE-MSC-16777-1] c 51 N80-27067
- Boeing Aerospace Co., Seattle, Wash.**
Method and apparatus for fabricating improved solar cell modules
[NASA-CASE-NPO-14416-1] c 44 N81-14389

Boeing Co., Cocoa Beach, Fla.

- Positive contact resistance soldering unit
[NASA-CASE-KSC-10242] c 15 N72-23497
- Variable resistance constant tension and lubrication device
[NASA-CASE-KSC-10723-1] c 37 N75-13265
- Boeing Co., Houston, Tex.**
Method and apparatus for eliminating luminol interference material
[NASA-CASE-MSC-16260-1] c 51 N80-16714
- Boeing Co., Huntsville, Ala.**
Hydrogen fire blink detector
[NASA-CASE-MFS-15063] c 14 N72-25412
- Boreoscope with variable angle scope
[NASA-CASE-MFS-15162] c 14 N72-32452
- Guide for a typewriter
[NASA-CASE-MFS-15218-1] c 37 N77-19457
- Boeing Co., Pasadena, Tex.**
Medical subject monitoring systems
[NASA-CASE-MSC-14180-1] c 52 N76-14757
- Boeing Co., Seattle, Wash.**
Strain gage Patent Application
[NASA-CASE-FRC-10053] c 14 N70-35587
- Method of inhibiting stress corrosion cracks in titanium alloys
Patent
[NASA-CASE-NPO-10271] c 17 N71-16393
- Strain sensor for high temperatures
Patent
[NASA-CASE-XNP-09205] c 14 N71-17657
- Forming tool for ribbon or wire
[NASA-CASE-XLA-05966] c 15 N72-12408
- Solar cell assembly test method
[NASA-CASE-NPO-10401] c 03 N72-20033
- Thermal compression bonding of interconnectors
[NASA-CASE-GSC-10303] c 15 N72-22487
- Extrusion can
[NASA-CASE-NPO-10812] c 15 N73-13464
- Radiation sensitive solid state switch
[NASA-CASE-NPO-10817-1] c 08 N73-30135
- Plasma cleaning device
[NASA-CASE-MFS-22906-1] c 75 N78-27913
- Calibrating pressure switch
[NASA-CASE-XMF-04494-1] c 33 N79-33392
- Boeing Commercial Airplane Co., Seattle, Wash.**
Improved tire/wheel concept
[NASA-CASE-LAR-11695-2] c 37 N80-18402
- Tire/wheel concept
[NASA-CASE-LAR-11695-2] c 37 N81-24443
- Slotted variable camber flap
[NASA-CASE-LAR-12541-1] c 05 N82-18203
- Fuselage structure using advanced technology fiber reinforced composites
[NASA-CASE-LAR-11688-1] c 24 N82-26384
- Borden, Inc., New York, N. Y.**
Process of treating cellulosic membrane and alkaline with membrane separator
[NASA-CASE-GSC-10019-1] c 44 N82-24641
- Separator for alkaline batteries and method of making same
[NASA-CASE-GSC-10350-1] c 44 N82-24642
- Separator for alkaline electric cells and method of making
[NASA-CASE-GSC-10017-1] c 44 N82-24643
- Separator for alkaline electric batteries and method of making
[NASA-CASE-GSC-10018-1] c 44 N82-24644
- Alkaline electrochemical cells and method of making
[NASA-CASE-GSC-10349-1] c 44 N82-24645
- Aqueous alkali metal hydroxide insoluble cellulose ether membrane
[NASA-CASE-XGS-05584-1] c 25 N82-29370
- Borg-Warner Corp., Chicago, Ill.**
Data transfer system
Patent
[NASA-CASE-NPO-12107] c 08 N71-27255
- Brown and Root-Northrop, Houston, Tex.**
Anti-fog composition
[NASA-CASE-MSC-13530-2] c 23 N75-14834
- Brown Engineering Co., Inc., Huntsville, Ala.**
Air bearing
Patent
[NASA-CASE-XMF-01887] c 15 N71-10617
- Collapsible nozzle extension for rocket engines
Patent
[NASA-CASE-MFS-11497] c 28 N71-16224
- Inspection gage for boss
Patent
[NASA-CASE-XMF-04966] c 14 N71-17658
- Method of recording a gas flow pattern
Patent
[NASA-CASE-XMF-01779] c 12 N71-20815
- Trigonometric vehicle guidance assembly which aligns the three perpendicular axes of two three-axes systems
Patent
[NASA-CASE-XMF-00684] c 21 N71-21688
- Vapor liquid separator
Patent
[NASA-CASE-XMF-04042] c 15 N71-23023
- Thruster maintenance system
Patent
[NASA-CASE-MFS-20325] c 28 N71-27095
- Inflatable transpiration cooled nozzle
[NASA-CASE-MFS-20619] c 28 N72-11708

California Computer Products, Inc., Anaheim.

- Temperature regulation circuit
Patent
[NASA-CASE-XNP-02792] c 14 N71-28958
- California Inst. of Tech., Pasadena.**
Attitude control for spacecraft
Patent
[NASA-CASE-XNP-02982] c 31 N70-41855
- Baseband signal combiner for large aperture antenna array
[NASA-CASE-NPO-14641-1] c 32 N81-29308
- Schottky barrier solar cell
[NASA-CASE-NPO-13689-2] c 44 N81-29525
- Interferometer
[NASA-CASE-NPO-14448-1] c 74 N81-29963
- Crude oil desulfurization
[NASA-CASE-NPO-14542-1] c 25 N82-23282
- Electronic system for high power load control
[NASA-CASE-NPO-15358-1] c 33 N83-27126
- California Univ., Berkeley.**
Adjustable mount for a trihedral mirror
Patent
[NASA-CASE-XNP-08907] c 23 N71-29123
- Infrared detectors
[NASA-CASE-LAR-10728-1] c 14 N73-12445
- Resistive anode image converter
[NASA-CASE-HQN-10876-1] c 33 N76-27473
- Low gravity phase separator
[NASA-CASE-MSC-14773-1] c 35 N78-12390
- Automatic multiple-sample applicator and electrophoresis apparatus
[NASA-CASE-ARC-10991-1] c 25 N78-14104
- Process for preparing higher oxides of the alkali and alkaline earth metals
[NASA-CASE-ARC-10992-1] c 26 N78-32229
- Microelectrophoretic apparatus and process
[NASA-CASE-ARC-11121-1] c 25 N79-14169
- California Univ., Los Angeles.**
Continuous plasma light source
[NASA-CASE-XNP-04167-2] c 25 N72-24753
- Continuous plasma laser
[NASA-CASE-XNP-04167-3] c 36 N77-19416
- Catholic Univ. of America, Washington, D.C.**
Electromagnetic wave energy converter
[NASA-CASE-GSC-11394-1] c 09 N73-32109
- Chance Vought Corp., Dallas, Tex.**
Coupling for linear shaped charge
Patent
[NASA-CASE-XLA-00189] c 33 N70-36846
- Spin forming tubular elbows
Patent
[NASA-CASE-XMF-01083] c 15 N71-22723
- Single action separation mechanism
Patent
[NASA-CASE-XLA-00188] c 15 N71-22874
- Chrysler Corp., Detroit, Mich.**
Ceramic insulation for radiant heating environments and method of preparing the same
Patent
[NASA-CASE-MFS-14253] c 33 N71-24858
- Constant temperature heat sink for calorimeters
Patent
[NASA-CASE-XMF-04208] c 33 N71-29051
- Chrysler Corp., Huntsville, Ala.**
Apparatus for ejection of an instrument cover
[NASA-CASE-XMF-04132] c 15 N69-27502
- Clemson Univ., S.C.**
Method of forming dynamic membrane on stainless steel support
[NASA-CASE-MSC-18172-1] c 26 N80-19237
- Collins Radio Co., Cedar Rapids, Iowa.**
Power responsive overload sensing circuit
Patent
[NASA-CASE-GSC-10667-1] c 10 N71-33129
- Chassis unit insert tightening-extract device
[NASA-CASE-XMS-01077-1] c 37 N79-33467
- Collins Radio Co., Dallas, Tex.**
Signal path series step biased multidevice high efficiency amplifier
Patent
[NASA-CASE-GSC-10668-1] c 07 N71-28430
- Heat conductive resiliently compressible structure for space electronics package modules
Patent
[NASA-CASE-MSC-12389] c 33 N71-29052
- Infinite range electronics gain control circuit
[NASA-CASE-GSC-10786-1] c 10 N72-28241
- Colorado State Univ., Fort Collins.**
Apparatus for extraction and separation of a preferentially photo-dissociated molecular isotope into positive and negative ions by means of an electric field
[NASA-CASE-LEW-12465-1] c 25 N78-25148
- Comprehensive Designers, Inc., Sherman Oaks, Calif.**
Vehicle for use in planetary exploration
[NASA-CASE-NPO-11366] c 11 N73-26238
- Computer Control Co., Inc., Framingham, Mass.**
Test fixture for pellet-like electrical elements
[NASA-CASE-XNP-06032] c 09 N69-21926
- Support structure for irradiated elements
Patent
[NASA-CASE-XNP-06031] c 15 N71-15606
- Counter
Patent
[NASA-CASE-XNP-06234] c 10 N71-27137

Computer Sciences Corp., Falls Church, Va.
Oceanic wave measurement system
[NASA-CASE-MFS-23862-1] c 48 N80-18667

Computer Sciences Corp., Mountain View, Calif.
Thumb actuated two axis controller
[NASA-CASE-ARC-11372-1] c 08 N83-12098

Conrac Corp., Pasadena, Calif.
Penetrating radiation system for detecting the amount of liquid in a tank Patent
[NASA-CASE-MSC-12280] c 27 N71-16348

Consolidated Controls Corp., El Segundo, Calif.
Low temperature latching solenoid
[NASA-CASE-MSC-18106-1] c 33 N82-11357

Cornell Univ., Ithaca, N.Y.
Flux sensing device using a tubular core with toroidal gating coil and solenoidal output coil wound thereon Patent
[NASA-CASE-XGS-01881] c 09 N70-40123

Crane Co., Burbank, Calif.
Hydraulic transformer Patent
[NASA-CASE-MFS-20830] c 15 N71-30028

Curtiss-Wright Corp., Wood-Ridge, N.J.
Gas turbine combustion apparatus Patent
[NASA-CASE-XLE-103477-1] c 28 N71-20330

Cutler-Hammer, Inc., Melville, N.Y.
Wideband heterodyne receiver for laser communication system
[NASA-CASE-GSC-12053-1] c 32 N77-28346

D

Delaware Univ., Newark.
High field CdS detector for infrared radiation
[NASA-CASE-LAR-11027-1] c 35 N74-18088

Denver Univ., Colo.
Metal shearing energy absorber
[NASA-CASE-HQN-10638-1] c 15 N73-30460

Department of Transportation, Cambridge, Mass.
Optical noise suppression device and method
[NASA-CASE-MSC-12640-1] c 74 N76-31998

Desert Research Inst., Reno, Nev.
Improved constant-output atomizer
[NASA-CASE-MFS-25631-1] c 34 N82-10360

Dorne and Margolin, Inc., Bohemia, N.Y.
Nose cone mounted heat resistant antenna Patent
[NASA-CASE-XMS-04312] c 07 N71-22984

Douglas Aircraft Co., Inc., Santa Monica, Calif.
Recoverable single stage spacecraft booster Patent
[NASA-CASE-XMF-01973] c 31 N70-41588

Switching circuit employing regeneratively connected complementary transistors Patent
[NASA-CASE-XNP-02654] c 10 N70-42032

Split nut separation system Patent
[NASA-CASE-XNP-06914] c 15 N71-21489

Artificial gravity spin deployment system Patent
[NASA-CASE-XNP-02595] c 31 N71-21681

Portable superclean air column device Patent
[NASA-CASE-XMF-03212] c 15 N71-22721

Energy absorption device Patent
[NASA-CASE-XNP-01848] c 15 N71-28959

Collapsible pistons
[NASA-CASE-MSC-13789-1] c 11 N73-32152

Duke Univ., Durham, N. C.
Regulated dc-to-dc converter for voltage step-up or step-down with input-output isolation
[NASA-CASE-HQN-10792-1] c 33 N74-11049

Dumont Electron Tubes, Gliffon, N. J.
High contrast cathode ray tube
[NASA-CASE-ERC-10468] c 09 N72-20206

Dynatherm Corp., Cockeysville, Md.
Heat pipe thermal switch
[NASA-CASE-12812-1] c 34 N83-35307

E

Echo Science Corp., Mountain View, Calif.
Dynamic capacitor having a peripherally driven element and system incorporating the same
[NASA-CASE-XNP-02899-1] c 33 N79-21265

Eitel-McCullough, Inc., San Carlos, Calif.
Method of forming ceramic to metal seal Patent
[NASA-CASE-XNP-01263-2] c 15 N71-26312

Electrac, Inc., Anaheim, Calif.
Optimum predetection diversity receiving system Patent
[NASA-CASE-XGS-00740] c 07 N71-23098

Electric Storage Battery Co., Raleigh, N.C.
Electric battery and method for operating same Patent
[NASA-CASE-XGS-01674] c 03 N71-29129

Storage battery comprising negative plates of a wedge shaped configuration
[NASA-CASE-NPO-11806-1] c 44 N74-19693

Electric Storage Battery Co., Yardley, Pa.
Electric storage battery
[NASA-CASE-NPO-11021] c 03 N72-20032

Electro-Optical Systems, Inc., Pasadena, Calif.
Focussing system for an ion source having apertured electrodes Patent
[NASA-CASE-XNP-03332] c 09 N71-10618

Electrolytically regenerative hydrogen-oxygen fuel cell Patent
[NASA-CASE-XLE-04526] c 03 N71-11052

Method of producing refractory bodies having controlled porosity Patent
[NASA-CASE-LEW-10393-1] c 17 N71-15468

Soil particles separator, collector and viewer Patent
[NASA-CASE-XNP-09770] c 15 N71-20440

Particle detection apparatus including a ballistic pendulum Patent
[NASA-CASE-XMS-04201] c 14 N71-22990

Polarity sensitive circuit Patent
[NASA-CASE-XNP-00952] c 10 N71-23271

Ion engine casing construction and method of making same Patent
[NASA-CASE-XNP-06942] c 28 N71-23293

Material handling device Patent
[NASA-CASE-XNP-09770-3] c 11 N71-27036

Screen particle separator
[NASA-CASE-XNP-09770-2] c 15 N72-22483

Electronic Image Systems Corp., Cambridge, Mass.
Drying apparatus for photographic sheet material
[NASA-CASE-GSC-11074-1] c 14 N73-28489

Essex Corp., Huntsville, Ala.
Satellite retrieval system
[NASA-CASE-MFS-25403-1] c 18 N83-29303

Ewen Knight Corp., East Natick, Mass.
Method and means for providing an absolute power measurement capability Patent
[NASA-CASE-ERC-11020] c 14 N71-26774

F

Fairchild Hiller Corp., Germantown, Md.
Two axis fluxgate magnetometer Patent
[NASA-CASE-GSC-10441-1] c 14 N71-27325

Space simulation and radiative property testing system and method Patent
[NASA-CASE-MFS-20096] c 14 N71-30026

Thermal control system for a spacecraft modular housing
[NASA-CASE-GSC-11018-1] c 31 N73-30829

Fairchild Republic Co., Farmingdale, N. Y.
Surface conforming thermal/pressure seal
[NASA-CASE-MSC-18422-1] c 37 N82-16408

Faraday Labs., Inc., La Jolla, Calif.
Method for attaching a fused-quartz mirror to a conductive metal substrate
[NASA-CASE-MFS-23405-1] c 26 N77-29260

Federal-Mogul Corp., Los Alamitos, Calif.
Hydraulic casting of liquid polymers Patent
[NASA-CASE-XNP-07659] c 06 N71-22975

Florida Univ., Gainesville.
Safety flywheel
[NASA-CASE-HQN-10888-1] c 44 N79-14527

FMC Corp., New York.
Decomposition unit Patent
[NASA-CASE-XMS-00583] c 28 N70-38504

Foothill College, Los Altos Hills, Calif.
Electrical conductivity cell and method for fabricating the same
[NASA-CASE-ARC-10810-1] c 33 N76-19339

Ford Motor Co., Dearborn, Mich.
Omnidirectional acceleration device Patent
[NASA-CASE-HQN-10780] c 14 N71-30265

G

Garrett Corp., Los Angeles, Calif.
Relief valve
[NASA-CASE-XMS-05894-1] c 15 N69-21924

Portable environmental control system Patent
[NASA-CASE-XMS-09632-1] c 05 N71-11203

Dual latching solenoid valve Patent
[NASA-CASE-XMS-05890] c 09 N71-23191

Water management system and an electrolytic cell therefor Patent
[NASA-CASE-MSC-10960-1] c 03 N71-24718

Low cycle fatigue testing machine
[NASA-CASE-LAR-10270-1] c 32 N72-25877

Process for separation of dissolved hydrogen from water by use of palladium and process for coating palladium with palladium black
[NASA-CASE-MSC-13335-1] c 06 N72-31140

Flexible joint for pressurizable garment
[NASA-CASE-MSC-11072] c 54 N74-32546

Gas compression apparatus
[NASA-CASE-MSC-14757-1] c 35 N78-10428

Wind tunnel
[NASA-CASE-LAR-10135-1] c 09 N79-21083

Water separator
[NASA-CASE-XMS-01295-1] c 37 N79-21345

Garrett Corp., Torrance, Calif.
Adaptive reference voltage generator for firing angle control of line-commutated inverters
[NASA-CASE-MFS-25215-1] c 33 N83-31953

GCA Corp., Bedford, Mass.
Analytical photoionization mass spectrometer with an argon gas filter between the light source and monochromator Patent
[NASA-CASE-LAR-10180-1] c 06 N71-13461

General Dynamics/Astronautics, San Diego, Calif.
Determination of spot weld quality Patent
[NASA-CASE-XNP-02588] c 15 N71-18613

Pressure transducer calibrator Patent
[NASA-CASE-XNP-01660] c 14 N71-23036

Plating nickel on aluminum castings Patent
[NASA-CASE-XNP-04148] c 17 N71-24830

General Dynamics/Convair, San Diego, Calif.
Signal generator
[NASA-CASE-XNP-05612] c 09 N69-21468

Separation nut Patent
[NASA-CASE-XGS-01971] c 15 N71-15922

Zero gravity separator Patent
[NASA-CASE-XLE-00586] c 15 N71-15968

Catalyst cartridge for carbon dioxide reduction unit
[NASA-CASE-LAR-10551-1] c 25 N74-12813

Heat exchanger
[NASA-CASE-MFS-22991-1] c 34 N77-10463

General Dynamics Corp., San Diego, Calif.
Light radiation direction indicator with a baffle of two parallel grids
[NASA-CASE-XNP-03930] c 14 N69-24331

Method and apparatus for attaching physiological monitoring electrodes Patent
[NASA-CASE-XFR-07658-1] c 05 N71-26293

Driving lamps by induction
[NASA-CASE-MFS-21214-1] c 09 N73-30181

General Electric Co., Cincinnati, Ohio.
Dual output variable pitch turbofan actuation system
[NASA-CASE-LEW-12419-1] c 07 N77-14025

Reverse pitch fan with divided splitter
[NASA-CASE-LEW-12780-1] c 07 N77-17059

Leading edge protection for composite blades
[NASA-CASE-LEW-12550-1] c 24 N77-19170

Oil cooling system for a gas turbine engine
[NASA-CASE-LEW-12830-1] c 07 N77-23106

Blade retainer assembly
[NASA-CASE-LEW-12608-1] c 07 N77-27116

Platform for a swing root turbomachinery blade
[NASA-CASE-LEW-12312-1] c 07 N77-32148

Deformable bearing seat
[NASA-CASE-LEW-12527-1] c 37 N77-32500

Bearing seat usable in a gas turbine engine
[NASA-CASE-LEW-12477-1] c 37 N77-32501

Oil cooling system for a gas turbine engine
[NASA-CASE-LEW-12321-1] c 37 N78-10467

Impact absorbing blade mounts for variable pitch blades
[NASA-CASE-LEW-12313-1] c 37 N78-10468

Variable thrust nozzle for quiet turbofan engine and method of operating same
[NASA-CASE-LEW-12317-1] c 07 N78-17055

Gas turbine engine with convertible accessories
[NASA-CASE-LEW-12390-1] c 07 N78-17056

Variable cycle gas turbine engines
[NASA-CASE-LEW-12916-1] c 37 N78-17384

Gas turbine engine with recirculating bleed
[NASA-CASE-LEW-12452-1] c 07 N78-25089

Redundant disc
[NASA-CASE-LEW-12496-1] c 07 N78-33101

Fuel delivery system including heat exchanger means
[NASA-CASE-LEW-12793-1] c 37 N79-11403

Integrated gas turbine engine-nacelle
[NASA-CASE-LEW-12389-3] c 07 N79-14096

Variable area exhaust nozzle
[NASA-CASE-LEW-12378-1] c 07 N79-14097

Sound-suppressing structure with thermal relief
[NASA-CASE-LEW-12658-1] c 71 N79-14871

Method and apparatus for rapid thrust increases in a turbofan engine
[NASA-CASE-LEW-12971-1] c 07 N80-18039

Curved centerline air intake for a gas turbine engine
[NASA-CASE-LEW-13201-1] c 07 N81-14999

Apparatus for sensor failure detection and correction in a gas turbine engine control system
[NASA-CASE-LEW-12907-2] c 07 N81-19115

Integrated control system for a gas turbine engine
[NASA-CASE-LEW-12594-2] c 07 N81-19116

Thrust reverser for a long duct fan engine
[NASA-CASE-LEW-13199-1] c 07 N82-26293

Tip cap for a rotor blade
[NASA-CASE-LEW-13654-1] c 07 N83-14129
Control means for a gas turbine engine
[NASA-CASE-LEW-14586-1] c 07 N83-31603
Apparatus for improving the fuel efficiency of a gas turbine engine
[NASA-CASE-LEW-13142-1] c 07 N83-36029
General Electric Co., Cleveland, Ohio.
Variable mixer propulsion cycle
[NASA-CASE-LEW-12917-1] c 07 N78-18067
General Electric Co., Philadelphia, Pa.
Catalyst for growth of boron carbide single crystal whiskers
[NASA-CASE-XHQ-03903] c 15 N69-21922
Dydimium hydrate additive to nickel hydroxide electrodes
[NASA-CASE-XGS-03505] c 03 N71-10608
Bismuth-lead coatings for gas bearings used in atmospheric environments and vacuum chambers Patent
[NASA-CASE-XGS-02011] c 15 N71-20739
Automatic control of liquid cooling garment by cutaneous and external auditory meatus temperatures
[NASA-CASE-MSC-13917-1] c 05 N72-15098
Method for measuring cutaneous sensory perception
[NASA-CASE-MSC-13609-1] c 05 N72-25122
Reaction tester
[NASA-CASE-MSC-13604-1] c 05 N73-13114
Air conditioned suit
[NASA-CASE-LAR-10076-1] c 05 N73-20137
Compton scatter attenuation gamma ray spectrometer
[NASA-CASE-MFS-21441-1] c 14 N73-30392
Inverter ratio failure detector
[NASA-CASE-NPO-13160-1] c 35 N74-18090
Electrophoretic sample insertion
[NASA-CASE-MFS-21395-1] c 25 N74-26948
Apparatus for conducting flow electrophoresis in the substantial absence of gravity
[NASA-CASE-MFS-21394-1] c 34 N74-27744
Multiparameter vision testing apparatus
[NASA-CASE-MSC-13601-2] c 54 N75-27759
Automatic biowaste sampling
[NASA-CASE-MSC-14640-1] c 54 N76-14804
Solar cell module
[NASA-CASE-NPO-14467-1] c 44 N79-31753
Voltage feed through apparatus having reduced partial discharge
[NASA-CASE-GSC-12347-1] c 33 N80-18286
General Electric Co., Pleasanton, Calif.
Method of making a cermet Patent
[NASA-CASE-LEW-10219-1] c 18 N71-28729
General Electric Co., Schenectady, N. Y.
Superconductive accelerometer Patent
[NASA-CASE-XMF-01099] c 14 N71-15969
Remote manipulator system
[NASA-CASE-MFS-22022-1] c 37 N76-15460
Automatic transponder
[NASA-CASE-GSC-12075-1] c 32 N77-31350
Directionally solidified eutectic gamma plus beta nickel-base superalloys
[NASA-CASE-LEW-12906-1] c 26 N77-32279
General Electric Co., Utica, N. Y.
Method of determining bond quality of power transistors attached to substrates
[NASA-CASE-MFS-21931-1] c 37 N75-26372
General Motors Corp., Detroit, Mich.
Hermetic sealed vibration damper Patent
[NASA-CASE-MSC-10959] c 15 N71-26243
General Motors Corp., Milwaukee, Wis.
Adjustable tension wire guide Patent
[NASA-CASE-XMS-02383] c 15 N71-15918
General Motors Corp., Santa Barbara, Calif.
Resilient wheel Patent
[NASA-CASE-MFS-13929] c 15 N71-27091
General Precision, Inc., Little Falls, N.J.
Reversible current control apparatus Patent
[NASA-CASE-XLA-09371] c 10 N71-18724
General Precision, Inc., Sunnyvale, Calif.
Broadband video process with very high input impedance
[NASA-CASE-NPO-10199] c 09 N72-17156
General Precision Systems, Inc., Little Falls, N.J.
Fluidic-thermochromic display device Patent
[NASA-CASE-ERC-10031] c 12 N71-18603
General Technologies Corp., Reston, Va.
Method of making reinforced composite structure
[NASA-CASE-LEW-12619-1] c 24 N77-19171
Geophysics Corp. of America, Bedford, Mass.
Inflation system for balloon type satellites Patent
[NASA-CASE-XGS-03351] c 31 N71-16081
Bakeable McLeod gauge
[NASA-CASE-XGS-01293-1] c 35 N79-33450
Geophysics Corp. of America, Boston, Mass.
Ionospheric battery Patent
[NASA-CASE-XGS-01593] c 03 N70-35408

George Washington Univ., Washington, D.C.
Bacteria detection instrument and method
[NASA-CASE-GSC-11533-1] c 14 N73-13435
Arterial pulse wave pressure transducer
[NASA-CASE-GSC-11531-1] c 52 N74-27566
Giannini Scientific Corp., Santa Ana, Calif.
Electric arc light source having undercut recessed anode
[NASA-CASE-ARC-10266-1] c 33 N75-29318
Combination automatic-starting electrical plasma torch and gas shutoff valve
[NASA-CASE-XLE-10717] c 37 N75-29426
Giner, Inc., Waltham, Mass.
Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-1] c 33 N80-20487
Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-2] c 44 N81-29524
Globe-Union, Inc., Milwaukee, Wis.
Method of coating solar cell with borosilicate glass and resultant product
[NASA-CASE-GSC-11514-1] c 03 N72-24037
Goodyear Aerospace Corp., Akron, Ohio.
Foldable solar concentrator Patent
[NASA-CASE-XLA-04622] c 03 N70-41580
Method of making a filament-wound container Patent
[NASA-CASE-XLE-03803-2] c 15 N71-17651
Filament wound container Patent
[NASA-CASE-XLE-03803] c 15 N71-23816
Panelized high performance multilayer insulation Patent
[NASA-CASE-MFS-14023] c 33 N71-25351
Thermally activated foaming compositions Patent
[NASA-CASE-LAR-10373-1] c 18 N71-26155
Compression test assembly
[NASA-CASE-LAR-10440-1] c 14 N73-32323
Deployable flexible tunnel
[NASA-CASE-MFS-22636-1] c 37 N76-22540
Grace (W. R.) and Co., Clarksville, Md.
Metal containing polymers from cyclic tetrameric phenylphosphonitrimides Patent
[NASA-CASE-HQN-10364] c 06 N71-27363
Grumman Aircraft Engineering Corp., Bethpage, N. Y.
Sealed cabinetry Patent
[NASA-CASE-MSC-12168-1] c 09 N71-18600
Out of tolerance warning alarm system for plurality of monitored circuits Patent
[NASA-CASE-XMS-10984-1] c 10 N71-19417
Gulf General Atomic, San Diego, Calif.
Waveform simulator Patent
[NASA-CASE-NPO-10251] c 10 N71-27365
Gulton Industries, Inc., Albuquerque, N.Mex.
Analog-to-digital converter
[NASA-CASE-MSC-13110-1] c 08 N72-22163

H

Hamilton Standard, Hartford, Conn.
Slow opening valve
[NASA-CASE-MSC-20112-1] c 37 N82-28641
Hamilton Standard, Windsor Locks, Conn.
Venting device for pressurized space suit helmet Patent
[NASA-CASE-XMS-09652-1] c 05 N71-26333
Regenerable device for scrubbing breathable air of CO₂ and moisture without special heat exchanger equipment
[NASA-CASE-MSC-14771-1] c 54 N77-32722
Cell and method for electrolysis of water and anode
[NASA-CASE-MSC-16394-1] c 28 N81-24280
Reactant pressure differential control for fuel cell gases
[NASA-CASE-MSC-20127-1] c 44 N82-32843
Hamilton Standard Div., United Aircraft Corp., Windsor Locks, Conn.
Condensate removal device for heat exchanger
[NASA-CASE-MSC-14143-1] c 77 N75-20139
Harris Corp., Melbourne, Fla.
Adaptive polarization separation
[NASA-CASE-LAR-12196-1] c 33 N81-26358
Telescoping columns
[NASA-CASE-LAR-12195-1] c 31 N81-27324
Hayes International Corp., Birmingham, Ala.
Space craft soft landing system Patent
[NASA-CASE-XMF-02108] c 31 N70-36845
Device for preventing high voltage arcing in electron beam welding Patent
[NASA-CASE-XMF-08522] c 15 N71-19486
Hayes International Corp., Huntsville, Ala.
Method and apparatus for cryogenic wire stripping Patent
[NASA-CASE-MFS-10340] c 15 N71-17628
Self-balancing strain gage transducer Patent
[NASA-CASE-MFS-12827] c 14 N71-17656
Automatic closed circuit television arc guidance control Patent
[NASA-CASE-MFS-13046] c 07 N71-19433
Hazleton Labs., Falls Church, Va.
Use of the enzyme hexokinase for the reduction of inherent light levels
[NASA-CASE-XGS-05533] c 04 N69-27487
Light detection instrument Patent
[NASA-CASE-XGS-05534] c 23 N71-16355
Lyophilized reaction mixtures Patent
[NASA-CASE-XGS-05532] c 06 N71-17705
Firefly pump-metering system
[NASA-CASE-GSC-10218-1] c 15 N72-21465
Hercules, Inc., Wilmington, Del.
Method of repairing discontinuity in fiberglass structures
[NASA-CASE-LAR-10416-1] c 24 N74-30001
Hoffman Electronics Corp., El Monte, Calif.
Method for producing a solar cell having an integral protective covering
[NASA-CASE-XGS-04531] c 03 N69-24267
Honeywell, Inc., Hopkins, Minn.
Frequency control network for a current feedback oscillator Patent
[NASA-CASE-GSC-10041-1] c 10 N71-19418
Honeywell, Inc., Minneapolis, Minn.
Bus voltage compensation circuit for controlling direct current motor
[NASA-CASE-XMS-04215-1] c 09 N69-39987
Apparatus for overcurrent protection of a push-pull amplifier Patent
[NASA-CASE-MSC-12033-1] c 09 N71-13531
Static inverter Patent
[NASA-CASE-XGS-05289] c 09 N71-19470
High impedance measuring apparatus Patent
[NASA-CASE-XMS-08589-1] c 09 N71-20569
Clamping assembly for inertial components Patent
[NASA-CASE-XMS-02184] c 15 N71-20813
Piezoelectric pump Patent
[NASA-CASE-XNP-05429] c 26 N71-21824
Controllers Patent
[NASA-CASE-XMS-07487] c 15 N71-23255
Convoluting device for forming convolutions and the like Patent
[NASA-CASE-XNP-05297] c 15 N71-23811
Failure sensing and protection circuit for converter networks Patent
[NASA-CASE-GSC-10114-1] c 10 N71-27366
Voice operated controller Patent
[NASA-CASE-XLA-04063] c 31 N71-33160
Load current sensor for a series pulse width modulated power supply
[NASA-CASE-GSC-10656-1] c 09 N72-25249
Radiant source tracker independent of nonconstant irradiance
[NASA-CASE-NPO-11686] c 14 N73-25462
Optical instruments
[NASA-CASE-MSC-14096-1] c 74 N74-15095
Method of forming shrink-fit compression seal
[NASA-CASE-LAR-11563-1] c 37 N77-23482
Honeywell, Inc., St. Petersburg, Fla.
Reconfiguring redundancy management
[NASA-CASE-MSC-18498-1] c 60 N82-29013
Houston Univ., Tex.
Analysis of volatile organic compounds
[NASA-CASE-MSC-14428-1] c 23 N77-17161
Howard Univ., Washington, D. C.
Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-1] c 54 N76-22914
Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-2] c 52 N81-25661
Cervix-to-rectum measuring device in a radiation applicator for use in the treatment of cervical cancer
[NASA-CASE-GSC-12081-2] c 52 N82-22875
Hughes Aircraft Co., Culver City, Calif.
Varactor high level mixer
[NASA-CASE-XGS-02171] c 09 N69-24324
Thermally operated valve Patent
[NASA-CASE-XLE-00815] c 15 N70-35407
Thrust dynamometer Patent
[NASA-CASE-XLE-00702] c 14 N70-40203
Solid state chemical source for ammonia beam maser Patent
[NASA-CASE-XGS-01504] c 16 N70-41578
Canopus detector including automotive gain control of photomultiplier tube Patent
[NASA-CASE-XNP-03914] c 21 N71-10771
Horn feed having overlapping apertures Patent
[NASA-CASE-GSC-10452] c 07 N71-12396
Deflective rod switch with elastic support and sealing means Patent
[NASA-CASE-XNP-09808] c 09 N71-12518
Guidance and maneuver analyzer Patent
[NASA-CASE-XNP-09572] c 14 N71-15621
Method of making screen by casting Patent
[NASA-CASE-XLE-00953] c 15 N71-15966

Fluid flow control valve Patent
[NASA-CASE-XLE-00703] c 15 N71-15967

Low noise single aperture multimode monopulse antenna feed system Patent
[NASA-CASE-XNP-01735] c 07 N71-22750

Multilayer porous ionizer Patent
[NASA-CASE-XNP-04338] c 17 N71-23046

Construction and method of arranging a plurality of ion engines to form a cluster Patent
[NASA-CASE-XNP-02923] c 28 N71-23081

Method for fiberizing ceramic materials Patent
[NASA-CASE-XNP-00597] c 18 N71-23088

Inorganic thermal control pigment Patent
[NASA-CASE-XNP-02139] c 18 N71-24184

Taxial antenna Patent
[NASA-CASE-XGS-02290] c 07 N71-28809

Variable frequency oscillator with temperature compensation Patent
[NASA-CASE-XNP-03916] c 09 N71-28810

High efficiency ionizer assembly Patent
[NASA-CASE-XNP-01954] c 28 N71-28850

Apparatus for changing the orientation and velocity of a spinning body traversing a path Patent
[NASA-CASE-HQN-00936] c 31 N71-29050

Fabrication of controlled-porosity metals Patent
[NASA-CASE-XNP-04339] c 17 N71-29137

Ion thruster
[NASA-CASE-LEW-10770-1] c 28 N72-22770

Refractory porcelain enamel passive control coating for high temperature alloys
[NASA-CASE-MFS-22324-1] c 27 N75-27160

Hughes Aircraft Co., Los Angeles, Calif.

Power control circuit
[NASA-CASE-XNP-02713] c 10 N69-39888

Thermal switch Patent
[NASA-CASE-XNP-00463] c 33 N70-36847

Double optic system for ion engine Patent
[NASA-CASE-XNP-02839] c 28 N70-41922

Sample collecting impact bit Patent
[NASA-CASE-XNP-01412] c 15 N70-42034

Bootstrap unloader Patent
[NASA-CASE-XNP-09768] c 09 N71-12516

Difference circuit Patent
[NASA-CASE-XNP-08274] c 10 N71-13537

Gas regulator Patent
[NASA-CASE-NPO-10298] c 12 N71-17661

A dc-coupled noninverting one-shot Patent
[NASA-CASE-XNP-09450] c 10 N71-18723

Phase demodulation system with two phase locked loops Patent
[NASA-CASE-XNP-00777] c 10 N71-19469

High voltage transistor circuit Patent
[NASA-CASE-XNP-06937] c 09 N71-19516

Drift compensation circuit for analog to digital converter Patent
[NASA-CASE-XNP-04780] c 08 N71-19687

System for monitoring the presence of neutrals in a stream of ions Patent
[NASA-CASE-XNP-02592] c 24 N71-20518

Broadband frequency discriminator Patent
[NASA-CASE-NPO-10096] c 07 N71-24583

Flexible, repairable, portable material for electrical connectors Patent
[NASA-CASE-XGS-05180] c 18 N71-25881

Phase multiplying electronic scanning system Patent
[NASA-CASE-NPO-10302] c 10 N71-26142

Narrow bandwidth video Patent
[NASA-CASE-XMS-06740-1] c 07 N71-26579

Solar panel fabrication Patent
[NASA-CASE-XNP-03413] c 03 N71-26726

Method for removing oxygen impurities from cesium Patent
[NASA-CASE-XNP-04262-2] c 17 N71-26773

Virtual wall slot circularly polarized planar array antenna
[NASA-CASE-NPO-10301] c 07 N72-11148

Conical reflector antenna
[NASA-CASE-NPO-10303] c 07 N72-22127

Injector for use in high voltage isolators for liquid feed lines
[NASA-CASE-NPO-11377] c 15 N73-27406

High efficiency multifrequency feed
[NASA-CASE-GSC-11909] c 32 N74-20863

Thiophenyl ether disloxanes and trisloxanes useful as lubricant fluids
[NASA-CASE-MFS-22411-1] c 37 N74-21058

Method and apparatus for optically monitoring the angular position of a rotating mirror
[NASA-CASE-GSC-11353-1] c 74 N74-21304

Gregonan all-reflective optical system
[NASA-CASE-GSC-12058-1] c 74 N77-26942

Opto-mechanical subsystem with temperature compensation through isothermal design
[NASA-CASE-GSC-12059-1] c 35 N77-27366

Wide power range microwave feedback controller
[NASA-CASE-GSC-12146-1] c 33 N78-32340

System for synchronizing synthesizers of communication systems
[NASA-CASE-GSC-12148-1] c 32 N79-20296

Pseudonoise code tracking loop
[NASA-CASE-MSC-18035-1] c 32 N81-15179

Apparatus and method for determining the position of a radiant energy source
[NASA-CASE-GSC-12147-1] c 32 N81-27341

Hughes Research Labs., Malibu, Calif.

Thrust dynamometer Patent
[NASA-CASE-XLE-05260] c 14 N71-20429

ITT Research Inst., Chicago, Ill.

Spectral method for monitoring atmospheric contamination of inert-gas welding shields Patent
[NASA-CASE-XMF-02039] c 15 N71-15871

Lightweight refractory insulation and method of preparing the same Patent
[NASA-CASE-XMF-05279] c 18 N71-16124

Stabilized zinc oxide coating compositions Patent
[NASA-CASE-XMF-07770-2] c 18 N71-26772

Synthesis of zinc titanate pigment and coatings containing the same
[NASA-CASE-MFS-13532] c 18 N72-17532

Junction range finder
[NASA-CASE-KSC-10108] c 14 N73-25461

Method of preparing zinc orthotitanate pigment
[NASA-CASE-MFS-23345-1] c 27 N77-30237

ILC Technology, Inc., Sunnyvale, Calif.

Direct current ballast circuit for metal halide lamp
[NASA-CASE-MSC-18407-1] c 33 N82-24427

Image Information, Inc., Danbury, Conn.

Recorder/processor apparatus
[NASA-CASE-GSC-11553-1] c 35 N74-15831

Inca Engineering Corp., San Gabriel, Calif.

Apparatus for establishing flow of a fluid mass having a known velocity
[NASA-CASE-MFS-21424-1] c 34 N74-27730

Institute for Research, Inc., Houston, Tex.

Method of making a perspiration resistant biopotential electrode
[NASA-CASE-MSC-90153-2] c 05 N72-25120

Institute of Research and Instrumentation, Houston, Tex.

Pressed disc type sensing electrodes with ion-screening means Patent
[NASA-CASE-XMS-04212-1] c 05 N71-12346

International Business Machines Corp., Hopewell Junction, N. Y.

Growth of silicon carbide crystals on a seed while pulling silicon crystals from a melt
[NASA-CASE-NPO-13969-1] c 76 N79-23798

International Business Machines Corp., New York.

Electrical connector pin with wiping action
[NASA-CASE-XMF-04238] c 09 N69-39734

Tool attachment for spreading loose elements away from work Patent
[NASA-CASE-XMF-02107] c 15 N71-10809

Redundant memory organization Patent
[NASA-CASE-GSC-10564] c 10 N71-29135

International Business Machines Corp., Poughkeepsie, N. Y.

Method of growing a ribbon crystal particularly suited for facilitating automated control of ribbon width
[NASA-CASE-NPO-14295-1] c 76 N80-32245

International Harvester Co., San Diego, Calif.

Silicide coatings for refractory metals Patent
[NASA-CASE-XLE-10910] c 18 N71-29040

International Laser Systems, Inc., Orlando, Fla.

Laser resonator
[NASA-CASE-GSC-12565-1] c 36 N82-24485

Active lamp pulse driver circuit
[NASA-CASE-GSC-12566-1] c 33 N83-34189

International Latex Corp., Dover, Del.

Space suit
[NASA-CASE-MSC-12609-1] c 05 N73-32012

Isomet Corp., Palisades Park, N. J.

Metabolic rate meter and method
[NASA-CASE-XLE-12239-1] c 52 N79-21750

ITT Corp., Nutley, N. J.

Time division radio relay synchronizing system using different sync code words for in sync and out of sync conditions Patent
[NASA-CASE-GSC-10373-1] c 07 N71-19773

Tracking receiver Patent
[NASA-CASE-XGS-08679] c 10 N71-21473

Satellite interlace synchronization system
[NASA-CASE-GSC-10390-1] c 07 N72-11149

J

James and Associates, Lancaster, Calif.

System for providing an integrated display of instantaneous information relative to aircraft attitude, heading, altitude, and horizontal situation
[NASA-CASE-FRC-11005-1] c 06 N82-16075

Jet Propulsion Lab., California Inst. of Tech., Pasadena.

Pressure variable capacitor
[NASA-CASE-XNP-09752] c 14 N69-21541

Rock drill for recovering samples
[NASA-CASE-XNP-07478] c 14 N69-21923

Data compression system
[NASA-CASE-XNP-09785] c 08 N69-21928

Magnetohydrodynamic induction machine
[NASA-CASE-XNP-07481] c 25 N69-21929

Electromechanical actuator
[NASA-CASE-XNP-05975] c 15 N69-23185

Refrigeration apparatus
[NASA-CASE-NPO-10309] c 15 N69-23190

Direct radiation cooling of the collector of linear beam tubes
[NASA-CASE-XNP-09227] c 15 N69-24319

Excitation and detection circuitry for a flux responsive magnetic head
[NASA-CASE-XNP-04183] c 09 N69-24329

Telemetry word forming unit
[NASA-CASE-XNP-09225] c 09 N69-24333

Solid state switch
[NASA-CASE-XNP-09228] c 09 N69-27500

Bellville spring assembly with elastic guides
[NASA-CASE-XNP-09452] c 15 N69-27504

Trifunctional alcohol
[NASA-CASE-NPO-10714] c 06 N69-31244

Plurality of photosensitive cells on a pyramidal base for planetary trackers
[NASA-CASE-XNP-04180] c 07 N69-39736

Coating process
[NASA-CASE-XNP-06508] c 18 N69-39895

Bi-metallic power controlled actuator
[NASA-CASE-XNP-09776] c 09 N69-39929

Piping arrangement through a double chamber structure
[NASA-CASE-XNP-08882] c 15 N69-39935

Micropacked column for a chromatographic system
[NASA-CASE-XNP-04816] c 06 N69-39936

Temperature sensitive capacitor device
[NASA-CASE-XNP-09750] c 14 N69-39937

Thermionic tantalum emitter doped with oxygen Patent Application
[NASA-CASE-NPO-11138] c 03 N70-34646

Data handling system based on source significance, storage availability and data received from the source Patent Application
[NASA-CASE-XNP-04162-1] c 08 N70-34675

Electro-optical scanning apparatus Patent Application
[NASA-CASE-NPO-11106] c 14 N70-34697

Liquid junction and method of fabricating the same Patent Application
[NASA-CASE-NPO-10682] c 15 N70-34699

Helium refining by superfluidity Patent
[NASA-CASE-XNP-00733] c 06 N70-34946

Means and methods of depositing thin films on substrates Patent
[NASA-CASE-XNP-00595] c 15 N70-34967

Photosensitive device to detect bearing deviation Patent
[NASA-CASE-XNP-00438] c 21 N70-35089

Antenna beam-shaping apparatus Patent
[NASA-CASE-XNP-00611] c 09 N70-35219

Temperature-compensating means for cavity resonator of amplifier Patent
[NASA-CASE-XNP-00449] c 14 N70-35220

Parabolic reflector horn feed with spillover correction Patent
[NASA-CASE-XNP-00540] c 09 N70-35382

Means for visually indicating flight paths of vehicles between the Earth, Venus, and Mercury Patent
[NASA-CASE-XNP-00708] c 14 N70-35394

Space vehicle attitude control Patent
[NASA-CASE-XNP-00465] c 21 N70-35395

Binary to binary-coded-decimal converter Patent
[NASA-CASE-XNP-00432] c 08 N70-35423

Cassegrainian antenna subreflector flange for suppressing ground noise Patent
[NASA-CASE-XNP-00683] c 09 N70-35425

Ionization vacuum gauge Patent
[NASA-CASE-XNP-00646] c 14 N70-35666

Two-fluid magnetohydrodynamic system and method for thermal-electric power conversion Patent
[NASA-CASE-XNP-00644] c 03 N70-36803

Mechanical coordinate converter Patent
[NASA-CASE-XNP-00614] c 14 N70-36907

High pressure four-way valve Patent
[NASA-CASE-XNP-00214] c 15 N70-36908

Liquid rocket system Patent [NASA-CASE-XNP-00610]	c 28	N70-36910	Means for generating a sync signal in an FM communication system Patent [NASA-CASE-XNP-10830]	c 07	N71-11281	Automatic fault correction system for parallel signal channels Patent [NASA-CASE-XNP-03263]	c 09	N71-18843
Radar ranging receiver Patent [NASA-CASE-XNP-00748]	c 07	N70-36911	Multi-feed cone Cassegrain antenna Patent [NASA-CASE-NPO-10539]	c 07	N71-11285	Data compression processor Patent [NASA-CASE-NPO-10068]	c 08	N71-19288
Attitude control for spacecraft Patent [NASA-CASE-XNP-00294]	c 21	N70-36938	Thermionic diode switch Patent [NASA-CASE-NPO-10404]	c 03	N71-12255	Tape guidance system and apparatus for the provision thereof Patent [NASA-CASE-XNP-09453]	c 08	N71-19420
Elastic universal joint Patent [NASA-CASE-XNP-00416]	c 15	N70-36947	Anti-backlash circuit for hydraulic drive system Patent [NASA-CASE-XNP-01020]	c 03	N71-12260	High voltage transistor circuit Patent [NASA-CASE-XNP-06937]	c 09	N71-19516
Apparatus and method for control of a solid fueled rocket vehicle Patent [NASA-CASE-XNP-00217]	c 28	N70-38181	Binary number sorter Patent [NASA-CASE-NPO-10112]	c 08	N71-12502	Solar cell matrix Patent [NASA-CASE-NPO-10821]	c 03	N71-19545
Expulsion bladder-equipped storage tank structure Patent [NASA-CASE-XNP-00612]	c 11	N70-38182	Linear three-tap feedback shift register Patent [NASA-CASE-NPO-10351]	c 08	N71-12503	Electrical switching device Patent [NASA-CASE-NPO-10037]	c 09	N71-19610
High-voltage cable Patent [NASA-CASE-XNP-00738]	c 09	N70-38201	Binary sequence detector Patent [NASA-CASE-XNP-05415]	c 08	N71-12505	Drift compensation circuit for analog to digital converter Patent [NASA-CASE-XNP-04780]	c 08	N71-19687
Umbilical separator for rockets Patent [NASA-CASE-XNP-00425]	c 11	N70-38202	Data compression system with a minimum time delay unit Patent [NASA-CASE-XNP-08832]	c 08	N71-12506	Roll-up solar array Patent [NASA-CASE-NPO-10188]	c 03	N71-20273
Multiple Belleville spring assembly Patent [NASA-CASE-XNP-00840]	c 15	N70-38225	Magnetic counter Patent [NASA-CASE-XNP-08836]	c 09	N71-12515	Method and device for determining battery state of charge Patent [NASA-CASE-NPO-10194]	c 03	N71-20407
Ignition system for monopropellant combustion devices Patent [NASA-CASE-XNP-00249]	c 28	N70-38249	Operational integrator Patent [NASA-CASE-NPO-10230]	c 09	N71-12520	Soil particles separator, collector and viewer Patent [NASA-CASE-XNP-09770]	c 15	N71-20440
Pressure regulating system Patent [NASA-CASE-XNP-00450]	c 15	N70-38603	Starting circuit for vapor lamps and the like Patent [NASA-CASE-XNP-01058]	c 09	N71-12540	Transmission line thermal short Patent [NASA-CASE-XNP-09775]	c 09	N71-20445
Slit regulated gas journal bearing Patent [NASA-CASE-XNP-00476]	c 15	N70-38620	Matched thermistors for microwave power meters Patent [NASA-CASE-NPO-10348]	c 10	N71-12554	Synchronous servo loop control system Patent [NASA-CASE-XNP-03744]	c 10	N71-20448
Steerable solid propellant rocket motor Patent [NASA-CASE-XNP-00234]	c 28	N70-38645	Micro current measuring device using plural logarithmic response heated filamentary type diodes Patent [NASA-CASE-XNP-00384]	c 09	N71-13530	Processing for producing a sterilized instrument Patent [NASA-CASE-XNP-09763]	c 14	N71-20461
Space simulator Patent [NASA-CASE-XNP-00459]	c 11	N70-38675	Automatic thermal switch Patent [NASA-CASE-XNP-03796]	c 23	N71-15467	Signal-to-noise ratio estimating by taking ratio of mean and standard deviation of integrated signal samples Patent [NASA-CASE-XNP-05254]	c 07	N71-20791
Ejection unit Patent [NASA-CASE-XNP-00676]	c 15	N70-38996	Photoelectric energy spectrometer Patent [NASA-CASE-XNP-04161]	c 14	N71-15599	Elimination of frequency shift in a multiplex communication system Patent [NASA-CASE-XNP-01306]	c 07	N71-20814
Time-division multiplexer Patent [NASA-CASE-XNP-00431]	c 09	N70-38998	Anti-glare improvement for optical imaging systems Patent [NASA-CASE-NPO-10337]	c 14	N71-15604	High power-high voltage workload Patent [NASA-CASE-XNP-05381]	c 09	N71-20842
Trajectory-correction propulsion system Patent [NASA-CASE-XNP-01104]	c 28	N70-39931	Fluid flow restrictor Patent [NASA-CASE-NPO-10117]	c 15	N71-15608	Coaxial cable connector Patent [NASA-CASE-NPO-04732]	c 09	N71-20851
Electrically-operated rotary shutter Patent [NASA-CASE-XNP-00637]	c 14	N70-40273	High temperature lens construction Patent [NASA-CASE-XNP-04111]	c 14	N71-15622	Soldering with solder flux which leaves corrosion resistant coating Patent [NASA-CASE-XNP-03459]	c 15	N71-21078
Zero gravity starting means for liquid propellant motors Patent [NASA-CASE-XNP-01390]	c 28	N70-41275	Solder flux which leaves corrosion-resistant coating Patent [NASA-CASE-XNP-03459-2]	c 18	N71-15688	Miniature stress transducer Patent [NASA-CASE-XNP-02983]	c 14	N71-21091
Parallel motion suspension device Patent [NASA-CASE-XNP-01567]	c 15	N70-41310	Intermittent type silica gel adsorption refrigerator Patent [NASA-CASE-XNP-00920]	c 15	N71-15906	Holder for crystal resonators Patent [NASA-CASE-XNP-03637]	c 15	N71-21311
Ignition means for monopropellant Patent [NASA-CASE-XNP-00876]	c 28	N70-41311	Dual mode horn antenna Patent [NASA-CASE-XNP-01057]	c 07	N71-15907	Correlation function apparatus Patent [NASA-CASE-XNP-00746]	c 07	N71-21476
Reinforcing means for diaphragms Patent [NASA-CASE-XNP-01962]	c 32	N70-41370	Means for controlling rupture of shock tube diaphragms Patent [NASA-CASE-XAC-00731]	c 11	N71-15960	Split nut separation system Patent [NASA-CASE-XNP-06914]	c 15	N71-21489
High pressure filter Patent [NASA-CASE-XNP-00732]	c 28	N70-41447	Insertion loss measuring apparatus having transformer means connected across a pair of bolometers Patent [NASA-CASE-XNP-01193]	c 10	N71-16057	Light position locating system Patent [NASA-CASE-XNP-01059]	c 23	N71-21821
Phase-locked loop with sideband rejecting properties Patent [NASA-CASE-XNP-02723]	c 07	N70-41680	Polarimeter for transient measurement Patent [NASA-CASE-XNP-08883]	c 23	N71-16101	Electron bombardment ion engine Patent [NASA-CASE-XNP-04124]	c 28	N71-21822
Digital television camera control system Patent [NASA-CASE-XNP-01472]	c 14	N70-41807	Flexible composite membrane Patent [NASA-CASE-XNP-08837]	c 18	N71-16210	Data compressor Patent [NASA-CASE-XNP-04067]	c 08	N71-22707
Antiflutter ball check valve Patent [NASA-CASE-XNP-01152]	c 15	N70-41811	Mount for thermal control system Patent [NASA-CASE-NPO-10138]	c 33	N71-16357	Error correcting method and apparatus Patent [NASA-CASE-XNP-02748]	c 08	N71-22749
Roll attitude star sensor system Patent [NASA-CASE-XNP-01307]	c 21	N70-41856	Optical characteristics measuring apparatus Patent [NASA-CASE-XNP-08840]	c 23	N71-16365	Counter and shift register Patent [NASA-CASE-XNP-01753]	c 08	N71-22897
Process for preparing sterile solid propellants Patent [NASA-CASE-XNP-01749]	c 27	N70-41897	Parallel plate viscometer Patent [NASA-CASE-XNP-09462]	c 14	N71-17584	Friction measuring apparatus Patent [NASA-CASE-XNP-08680]	c 14	N71-22995
Solenoid construction Patent [NASA-CASE-XNP-01951]	c 09	N70-41929	Means and method of measuring viscoelastic strain Patent [NASA-CASE-XNP-01153]	c 32	N71-17645	Hybrid lubrication system and bearing Patent [NASA-CASE-XNP-01641]	c 15	N71-22997
Closed loop ranging system Patent [NASA-CASE-XNP-01501]	c 21	N70-41930	Interferometer direction sensor Patent [NASA-CASE-NPO-10320]	c 14	N71-17655	Filler valve Patent [NASA-CASE-XNP-01747]	c 15	N71-23024
Printed circuit board with bellows rivet connection Patent [NASA-CASE-XNP-05082]	c 15	N70-41960	Interferometer servo system Patent [NASA-CASE-NPO-10300]	c 14	N71-17662	Refrigeration apparatus Patent [NASA-CASE-XNP-08877]	c 15	N71-23025
Phase-shift data transmission system having a pseudo-noise SYNC code modulated with the data in a single channel Patent [NASA-CASE-XNP-00911]	c 08	N70-41961	Electrical spot terminal assembly Patent [NASA-CASE-NPO-10034]	c 15	N71-17685	Reduced bandwidth video communication system utilizing sampling techniques Patent [NASA-CASE-XNP-02791]	c 07	N71-23026
Baseline stabilization system for ionization detector Patent [NASA-CASE-XNP-03128]	c 10	N70-41991	Sealed separable connection Patent [NASA-CASE-NPO-10064]	c 15	N71-17693	Model launcher for wind tunnels Patent [NASA-CASE-XNP-03578]	c 11	N71-23030
Single or joint amplitude distribution analyzer Patent [NASA-CASE-XNP-01383]	c 09	N71-10659	Incremental motion drive system Patent [NASA-CASE-XNP-08897]	c 15	N71-17694	Drive circuit utilizing two cores Patent [NASA-CASE-XNP-01318]	c 10	N71-23033
Dual waveguide mode source having control means for adjusting the relative amplitude of two modes Patent [NASA-CASE-XNP-03134]	c 07	N71-10676	Microbalance including crystal oscillators for measuring contaminants in a gas system Patent [NASA-CASE-NPO-10144]	c 14	N71-17701	Solar vane actuator Patent [NASA-CASE-XNP-05535]	c 14	N71-23040
Method for determining the state of charge of batteries by the use of tracers Patent [NASA-CASE-XNP-01464]	c 03	N71-10728	Apparatus and method for protecting a photographic device Patent [NASA-CASE-NPO-10174]	c 14	N71-18465	Time of flight mass spectrometer with feedback means from the detector to the low source and a specific counter Patent [NASA-CASE-XNP-01056]	c 14	N71-23041
High pressure regulator valve Patent [NASA-CASE-XNP-00710]	c 15	N71-10778	Ranging system Patent [NASA-CASE-NPO-10066]	c 09	N71-18598	Connector internal force gauge Patent [NASA-CASE-XNP-03918]	c 14	N71-23087
Solar battery with interconnecting means for plural cells Patent [NASA-CASE-XNP-06506]	c 03	N71-11050	High impact pressure regulator Patent [NASA-CASE-NPO-10175]	c 14	N71-18625	Circulator having quarter wavelength resonant post and parametric amplifier circuits utilizing the same Patent [NASA-CASE-XNP-02140]	c 09	N71-23097
Sealed battery gas manifold construction Patent [NASA-CASE-XNP-03378]	c 03	N71-11051	Magnetic core current steering commutator Patent [NASA-CASE-NPO-10201]	c 08	N71-18694	Method of resolving clock synchronization error and means therefor Patent [NASA-CASE-XNP-08875]	c 10	N71-23099
Solar cell submodule Patent [NASA-CASE-XNP-05821]	c 03	N71-11056	Method of using photovoltaic cell using poly-N-vinylcarbazole complex Patent [NASA-CASE-NPO-10373]	c 03	N71-18698	Impact testing machine Patent [NASA-CASE-XNP-04817]	c 14	N71-23225
Reflectometer for receiver input impedance match measurement Patent [NASA-CASE-XNP-10843]	c 07	N71-11267	A dc-coupled noninverting one-shot Patent [NASA-CASE-XNP-09450]	c 10	N71-18723	Zeta potential flowmeter Patent [NASA-CASE-XNP-06509]	c 14	N71-23226

Comparator for the comparison of two binary numbers Patent [NASA-CASE-XNP-04819] c 08 N71-23295	Broadband stable power multiplier Patent [NASA-CASE-XNP-10854] c 10 N71-26331	High voltage transistor amplifier with constant current load [NASA-CASE-NPO-11023] c 09 N72-17155
Decontamination of petroleum products Patent [NASA-CASE-XNP-03835] c 06 N71-23499	Cascaded complementary pair broadband transistor amplifiers Patent [NASA-CASE-NPO-10003] c 10 N71-26415	Reference voltage switching unit [NASA-CASE-NPO-11253] c 09 N72-17157
Dicyanoacetylene polymers Patent [NASA-CASE-XNP-03250] c 06 N71-23500	Digital memory in which the driving of each word location is controlled by a switch core Patent [NASA-CASE-XNP-01466] c 10 N71-26434	Valving device for automatic refilling in cryogenic liquid systems [NASA-CASE-NPO-11177] c 15 N72-17453
Indexing microwave switch Patent [NASA-CASE-XNP-06507] c 09 N71-23548	Conically shaped cavity radiometer with a dual purpose cone winding Patent [NASA-CASE-NPO-09701] c 14 N71-26475	Expandable support means [NASA-CASE-NPO-11059] c 15 N72-17454
Millimeter wave radiometer for radio astronomy Patent [NASA-CASE-XNP-09832] c 30 N71-23723	Analog signal integration and reconstruction system Patent [NASA-CASE-NPO-10344] c 10 N71-26544	Breakaway connector [NASA-CASE-NPO-11140] c 15 N72-17455
Radiant energy intensity measurement system Patent [NASA-CASE-XNP-06510] c 14 N71-23797	Rapid sync acquisition system Patent [NASA-CASE-NPO-10214] c 10 N71-26577	Modular encoder [NASA-CASE-NPO-10629] c 08 N72-18184
High speed phase detector Patent [NASA-CASE-XNP-01306-2] c 09 N71-24596	Cryogenic cooling system Patent [NASA-CASE-NPO-10467] c 23 N71-26654	Transition tracking bit synchronization system [NASA-CASE-NPO-10844] c 07 N72-20140
Apparatus for testing polymers Patent [NASA-CASE-XNP-09699] c 06 N71-24607	Vacuum evaporator with electromagnetic ion steering Patent [NASA-CASE-NPO-10331] c 09 N71-26701	Data compression system [NASA-CASE-NPO-11243] c 07 N72-20154
Digital synchronizer Patent [NASA-CASE-NPO-10851] c 07 N71-24613	Automated fluid chemical analyzer Patent [NASA-CASE-XNP-09451] c 06 N71-26754	Digital quasi-exponential function generator [NASA-CASE-NPO-11130] c 08 N72-20176
Signal processing apparatus for multiplex transmission Patent [NASA-CASE-NPO-10388] c 07 N71-24622	Material handling device Patent [NASA-CASE-NPO-09770-3] c 11 N71-27036	Method and apparatus for high resolution spectral analysis [NASA-CASE-NPO-10748] c 08 N72-20177
Self-testing and repairing computer Patent [NASA-CASE-NPO-10567] c 08 N71-24633	Pressure seal Patent [NASA-CASE-NPO-10796] c 15 N71-27068	Flow rate switch [NASA-CASE-NPO-10722] c 09 N72-20199
Serial digital decoder Patent [NASA-CASE-NPO-10150] c 08 N71-24650	Multiducted electromagnetic pump Patent [NASA-CASE-NPO-10755] c 15 N71-27084	Electrical connector [NASA-CASE-NPO-10694] c 09 N72-20200
Detentant servomotor Patent [NASA-CASE-XNP-06936] c 15 N71-24695	Peak acceleration limiter for vibrational tester Patent [NASA-CASE-NPO-10556] c 14 N71-27185	Wide band doubler and sine wave quadrature generator [NASA-CASE-NPO-11133] c 10 N72-20223
Reversible motion drive system Patent [NASA-CASE-NPO-10173] c 15 N71-24696	Thin film capacitive bolometer and temperature sensor Patent [NASA-CASE-NPO-10607] c 09 N71-27232	Signal phase estimator [NASA-CASE-NPO-11203] c 10 N72-20224
Decoder system Patent [NASA-CASE-NPO-10118] c 07 N71-24741	Black body cavity radiometer Patent [NASA-CASE-NPO-10810] c 14 N71-27323	Optimal control system for an electric motor driven vehicle [NASA-CASE-NPO-11210] c 11 N72-20244
Television signal processing system Patent [NASA-CASE-NPO-10140] c 07 N71-24742	Video signal enhancement system with dynamic range compression and modulation index expansion Patent [NASA-CASE-NPO-10343] c 07 N71-27341	Impact energy absorbing system utilizing fracturable material [NASA-CASE-NPO-10671] c 15 N72-20443
Switching circuit Patent [NASA-CASE-XNP-06505] c 10 N71-24799	Force-balanced, throttle valve Patent [NASA-CASE-NPO-10808] c 15 N71-27432	Torsional disconnect unit [NASA-CASE-NPO-10704] c 15 N72-20445
Magnetic power switch Patent [NASA-CASE-NPO-10242] c 09 N71-24803	Cavity emitter for thermionic converter Patent [NASA-CASE-NPO-10412] c 09 N71-28421	Solid propellant rocket motor [NASA-CASE-XNP-03282] c 28 N72-20758
Remodulator filter Patent [NASA-CASE-NPO-10198] c 09 N71-24806	Frictionless universal joint Patent [NASA-CASE-NPO-10646] c 15 N71-28467	Shell side liquid metal boiler [NASA-CASE-NPO-10831] c 33 N72-20915
Broadband microwave waveguide window Patent [NASA-CASE-XNP-08880] c 09 N71-24808	Epoxy-aziridine polymer product Patent [NASA-CASE-NPO-10701] c 06 N71-28620	Method and apparatus for mapping planets [NASA-CASE-NPO-11001] c 07 N72-21118
Cavity radiometer Patent [NASA-CASE-XNP-08961] c 14 N71-24809	Fluid impervious barrier including liquid metal alloy and method of making same Patent [NASA-CASE-XNP-08881] c 17 N71-28747	Current steering commutator [NASA-CASE-NPO-10743] c 08 N72-21199
High-gain, broadband traveling wave maser Patent [NASA-CASE-NPO-10548] c 16 N71-24831	Wind tunnel microphone structure Patent [NASA-CASE-NPO-00250] c 11 N71-28779	Automated equipotential plotter [NASA-CASE-NPO-11134] c 09 N72-21246
Fluid containers and resealable septum therefor Patent [NASA-CASE-NPO-10123] c 15 N71-24835	Trialkyl-dihalotantalum and niobium compounds Patent [NASA-CASE-XNP-04023] c 06 N71-28808	Pressure transducer [NASA-CASE-NPO-10832] c 14 N72-21405
Temperature telemetric transmitter Patent [NASA-CASE-NPO-10649] c 07 N71-24840	Digital memory sense amplifying means Patent [NASA-CASE-XNP-01012] c 08 N71-28925	Positioning mechanism [NASA-CASE-NPO-10679] c 15 N72-21462
Tuning arrangement for an electron discharge device or the like Patent [NASA-CASE-XNP-09771] c 09 N71-24841	Digital filter for reducing sampling jitter in digital control systems Patent [NASA-CASE-NPO-11088] c 08 N71-29034	Solid state matrices [NASA-CASE-NPO-10591] c 03 N72-22041
Noise limiter Patent [NASA-CASE-NPO-10169] c 10 N71-24844	Method and apparatus for aligning a laser beam projector Patent [NASA-CASE-NPO-11087] c 23 N71-29125	Solar cell panels with light transmitting plate [NASA-CASE-NPO-10747] c 03 N72-22042
Noninterruptable digital counting system Patent [NASA-CASE-XNP-09759] c 08 N71-24891	Rotable accurate reflector system for telescopes Patent [NASA-CASE-NPO-10468] c 23 N71-33229	Data multiplexer using tree switching configuration [NASA-CASE-NPO-11333] c 08 N72-22162
Drive circuit for minimizing power consumption in inductive load Patent [NASA-CASE-NPO-10716] c 09 N71-24892	Encoder/decoder system for a rapidly synchronizable binary code Patent [NASA-CASE-NPO-10342] c 10 N71-33407	System for quantizing graphic displays [NASA-CASE-NPO-10745] c 08 N72-22164
Space simulator Patent [NASA-CASE-NPO-10141] c 11 N71-24964	High power microwave power divider Patent [NASA-CASE-NPO-11031] c 07 N71-33606	Digital function generator [NASA-CASE-NPO-11104] c 08 N72-22165
Process for reducing secondary electron emission Patent [NASA-CASE-XNP-09469] c 24 N71-25555	A dc servosystem including an ac motor Patent [NASA-CASE-NPO-10700] c 07 N71-33613	Analog-to-digital converter analyzing system [NASA-CASE-NPO-10580] c 08 N72-22166
Minimal logic block encoder Patent [NASA-CASE-NPO-10595] c 10 N71-25917	Solar cell matrix [NASA-CASE-NPO-11190] c 03 N71-34044	Feedback shift register with states decomposed into cycles of equal length [NASA-CASE-NPO-11082] c 08 N72-22167
Novel polycarboxylic prepolymeric materials and polymers thereof Patent [NASA-CASE-NPO-10596] c 06 N71-25929	Manually actuated heat pump [NASA-CASE-NPO-10677] c 05 N72-11084	Self-obturbating, gas operated launcher [NASA-CASE-NPO-11013] c 11 N72-22247
Current steering switch Patent [NASA-CASE-XNP-08567] c 09 N71-26000	Virtual wall slot circularly polarized planar array antenna [NASA-CASE-NPO-10301] c 07 N72-11148	Optical binocular scanning apparatus [NASA-CASE-NPO-11002] c 14 N72-22441
Dual polarity full wave dc motor drive Patent [NASA-CASE-XNP-07477] c 09 N71-26092	System for controlling the operation of a variable signal device [NASA-CASE-NPO-11064] c 07 N72-11150	Ionene membrane separator [NASA-CASE-NPO-11091] c 18 N72-22567
High impact antenna Patent [NASA-CASE-NPO-10231] c 07 N71-26101	Method and apparatus for data compression by a decreasing slope threshold test [NASA-CASE-NPO-10769] c 08 N72-11171	Deployable solar cell array [NASA-CASE-NPO-10883] c 31 N72-22874
Video communication system and apparatus Patent [NASA-CASE-XNP-06611] c 07 N71-26102	Apparatus for remote measurement of displacement of marks on a specimen undergoing a tensile test [NASA-CASE-NPO-10778] c 14 N72-11364	Thermal to electrical power conversion system with solid-state switches with Seebeck effect compensation [NASA-CASE-NPO-11388] c 03 N72-23048
Parallel generation of the check bits of a PN sequence Patent [NASA-CASE-XNP-04623] c 10 N71-26103	Vibration isolation system using compression springs [NASA-CASE-NPO-11012] c 15 N72-11391	Optical frequency waveguide and transmission system [NASA-CASE-HQN-10541-3] c 23 N72-23695
Phase multiplying electronic scanning system Patent [NASA-CASE-NPO-10302] c 10 N71-26142	Feed system for an ion thruster [NASA-CASE-NPO-10737] c 28 N72-11709	Bipropellant injector [NASA-CASE-XNP-09461] c 28 N72-23809
Electron beam tube containing a multiple cathode array employing indexing means for cathode substitution Patent [NASA-CASE-NPO-10625] c 09 N71-26182	Thermostatic actuator [NASA-CASE-NPO-10637] c 15 N72-12409	Solid propellant rocket motor nozzle [NASA-CASE-NPO-11458] c 28 N72-23810
Fluid phase analyzer Patent [NASA-CASE-NPO-10691] c 14 N71-26199		Analysis of hydrogen-deuterium mixtures [NASA-CASE-NPO-11322] c 06 N72-25146
Variable frequency nuclear magnetic resonance spectrometer Patent [NASA-CASE-XNP-09830] c 14 N71-26266		Flexible computer accessed telemetry [NASA-CASE-NPO-11358] c 07 N72-25172
Time synchronization system utilizing moon reflected coded signals Patent [NASA-CASE-NPO-10143] c 10 N71-26326		Multi-purpose antenna employing dish reflector with plural coaxial horn feeds [NASA-CASE-NPO-11264] c 07 N72-25174
		Communications link for computers [NASA-CASE-NPO-11161] c 08 N72-25207

Method and apparatus for frequency-division multiplex communications by digital phase shift of carrier
[NASA-CASE-NPO-11338] c 08 N72-25208
Binary coded sequential acquisition ranging system
[NASA-CASE-NPO-11194] c 08 N72-25209
MOD 2 sequential function generator for multibit binary sequence
[NASA-CASE-NPO-10636] c 08 N72-25210
Digital video display system using cathode ray tube
[NASA-CASE-NPO-11342] c 09 N72-25248
Inverter oscillator with voltage feedback
[NASA-CASE-NPO-10760] c 09 N72-25254
Thermal motor
[NASA-CASE-NPO-11283] c 09 N72-25260
Two phase flow system with discrete impinging two-phase jets
[NASA-CASE-NPO-11556] c 12 N72-25292
Atmospheric sampling devices
[NASA-CASE-NPO-11373] c 13 N72-25323
Light sensor
[NASA-CASE-NPO-11311] c 14 N72-25414
Quick disconnect coupling
[NASA-CASE-NPO-11202] c 15 N72-25450
Coaxial injector for reaction motors
[NASA-CASE-NPO-11095] c 15 N72-25455
Ball screw linear actuator
[NASA-CASE-NPO-11222] c 15 N72-25456
Helium refrigerator and method for decontaminating the refrigerator
[NASA-CASE-NPO-10634] c 23 N72-25619
Uninsulated in-core thermionic diode
[NASA-CASE-NPO-10542] c 09 N72-27228
Audio frequency marker system
[NASA-CASE-NPO-11147] c 14 N72-27408
Light direction sensor
[NASA-CASE-NPO-11201] c 14 N72-27409
Adjustable support
[NASA-CASE-NPO-10721] c 15 N72-27484
Method for controlling vapor content of a gas
[NASA-CASE-NPO-10633] c 03 N72-28025
Maser for frequencies in the 7-20 GHz range
[NASA-CASE-NPO-11437] c 16 N72-28521
Thin film temperature sensor and method of making same
[NASA-CASE-NPO-11775] c 26 N72-28761
Circularly polarized antenna
[NASA-CASE-ERC-10214] c 09 N72-31235
Singly-curved reflector for use in high-gain antennas
[NASA-CASE-NPO-11361] c 07 N72-32169
Digital slope threshold data compressor
[NASA-CASE-NPO-11630] c 08 N72-33172
Continuously variable voltage controlled phase shifter
[NASA-CASE-NPO-11129] c 09 N72-33204
Pseudonoise sequence generators with three tap linear feedback shift registers
[NASA-CASE-NPO-11406] c 08 N73-12175
Versatile arithmetic unit for high speed sequential decoder
[NASA-CASE-NPO-11371] c 08 N73-12177
Dual frequency microwave reflex feed
[NASA-CASE-NPO-13091-1] c 09 N73-12214
Audio system with means for reducing noise effects
[NASA-CASE-NPO-11631] c 10 N73-12244
Interferometer-polarimeter
[NASA-CASE-NPO-11239] c 14 N73-12448
Irradiance measuring device
[NASA-CASE-NPO-11493] c 14 N73-12447
Program for computer aided reliability estimation
[NASA-CASE-NPO-13086-1] c 15 N73-12495
Apparatus for deriving synchronizing pulses from pulses in a single channel PCM communications system
[NASA-CASE-NPO-11302-1] c 07 N73-13149
Rotary vane attenuator when rotor has orthogonally disposed resistive and dielectric cards
[NASA-CASE-NPO-11418-1] c 14 N73-13420
Gas flow control device
[NASA-CASE-NPO-11479] c 15 N73-13462
Electrolytic gas operated actuator
[NASA-CASE-NPO-11369] c 15 N73-13467
Dual purpose momentum wheels for spacecraft with magnetic recording
[NASA-CASE-NPO-11481] c 21 N73-13644
Multiple reflection conical microwave antenna
[NASA-CASE-NPO-11661] c 07 N73-14130
Cyclically operable optical shutter
[NASA-CASE-NPO-10758] c 14 N73-14427
Heat detection and compositions and devices therefor
[NASA-CASE-NPO-10764-1] c 14 N73-14428
Parallel-plate viscometer with double diaphragm suspension
[NASA-CASE-NPO-11387] c 14 N73-14429
Rotary actuator
[NASA-CASE-NPO-10680] c 31 N73-14855
Magnetically actuated tuning method for Gunn oscillators
[NASA-CASE-NPO-12106] c 09 N73-15235

Multichannel telemetry system
[NASA-CASE-NPO-11572] c 07 N73-16121
Data-aided carrier tracking loops
[NASA-CASE-NPO-11282] c 10 N73-16205
Stacked solar cell arrays
[NASA-CASE-NPO-11771] c 03 N73-20040
A m-ary linear feedback shift register with binary logic
[NASA-CASE-NPO-11868] c 10 N73-20254
Apparatus for recovering matter adhered to a host surface
[NASA-CASE-NPO-11213] c 15 N73-20514
Scan converting video tape recorder
[NASA-CASE-NPO-10166-1] c 07 N73-22076
Collapsible structure for an antenna reflector
[NASA-CASE-NPO-11751] c 07 N73-24176
Pump for delivering heated fluids
[NASA-CASE-NPO-11417] c 15 N73-24513
Ion thruster with a combination keeper electrode and electron baffle
[NASA-CASE-NPO-11880] c 28 N73-24783
Solid propellant rocket motor
[NASA-CASE-NPO-11559] c 28 N73-24784
Code regenerative clean-up loop transponder for a mu-type ranging system
[NASA-CASE-NPO-11707] c 07 N73-25161
Numerical computer peripheral interactive device with manual controls
[NASA-CASE-NPO-11497] c 08 N73-25206
Radiant source tracker independent of nonconstant irradiance
[NASA-CASE-NPO-11886] c 14 N73-25462
Two carrier communication system with single transmitter
[NASA-CASE-NPO-11548] c 07 N73-26118
High pulse rate high resolution optical radar system
[NASA-CASE-NPO-11426] c 07 N73-26119
Counting digital filters
[NASA-CASE-NPO-11821-1] c 08 N73-26175
Automated attendance accounting system
[NASA-CASE-NPO-11456] c 08 N73-26176
Low phase noise digital frequency divider
[NASA-CASE-NPO-11569] c 10 N73-26229
Vehicle for use in planetary exploration
[NASA-CASE-NPO-11366] c 11 N73-26238
Temperature control system with a pulse width modulated bridge
[NASA-CASE-NPO-11304] c 14 N73-26430
Disconnect unit
[NASA-CASE-NPO-11330] c 33 N73-26958
Filter for third order phase locked loops
[NASA-CASE-NPO-11941-1] c 10 N73-27171
Receiver with an improved phase lock loop in a multichannel telemetry system with suppressed carrier
[NASA-CASE-NPO-11593-1] c 07 N73-28012
Analog-to-digital converter
[NASA-CASE-NXP-00477] c 08 N73-28045
Pseudonoise (PN) synchronization of data system with derivation of clock frequency from received signal for clocking receiver PN generator
[NASA-CASE-NXP-03623] c 09 N73-28084
Apparatus and method for measuring the Seebeck coefficient and resistivity of materials
[NASA-CASE-NPO-11749] c 14 N73-28486
Dual purpose optical instrument capable of simultaneously acting as spectrometer and diffractometer
[NASA-CASE-NXP-05231] c 14 N73-28491
Continuous magnetic flux pump
[NASA-CASE-NXP-01187] c 15 N73-28516
Preparation of alkali metal dispersions
[NASA-CASE-NXP-08878] c 17 N73-28573
Superconductive magnetic-field-trapping device
[NASA-CASE-NXP-01185] c 26 N73-28710
Automatic carrier acquisition system
[NASA-CASE-NPO-11628-1] c 07 N73-30113
Ferrofluidic solenoid
[NASA-CASE-NPO-11738-1] c 09 N73-30185
Silent emergency alarm system for schools and the like
[NASA-CASE-NPO-11307-1] c 10 N73-30205
RF-source resistance meters
[NASA-CASE-NPO-11291-1] c 14 N73-30388
Event sequence detector
[NASA-CASE-NPO-11703-1] c 10 N73-32144
Soil penetrometer
[NASA-CASE-NXP-05530] c 14 N73-32321
Quadrupole mass filter with means to generate a noise spectrum exclusive of the resonant frequency of the desired ions to deflect stable ions
[NASA-CASE-NXP-04231] c 14 N73-32325
Magnetic flux pump
[NASA-CASE-NXP-01188] c 15 N73-32361
Burrowing apparatus
[NASA-CASE-NXP-07169] c 15 N73-32362
Electrostatically controlled heat shutter
[NASA-CASE-NPO-11942-1] c 33 N73-32818

Method and apparatus for a single channel digital communications system
[NASA-CASE-NPO-11302-2] c 32 N74-10132
Controlled oscillator system with a time dependent output frequency
[NASA-CASE-NPO-11962-1] c 33 N74-10194
Low loss dichroic plate
[NASA-CASE-NPO-13171-1] c 32 N74-11000
Image data rate converter having a drum with a fixed head and a rotatable head
[NASA-CASE-NPO-11659-1] c 35 N74-11283
Monitoring atmospheric pollutants with a heterodyne radiometer transmitter-receiver
[NASA-CASE-NPO-11919-1] c 35 N74-11284
Digital second-order phase-locked loop
[NASA-CASE-NPO-11905-1] c 33 N74-12887
Automatic vehicle location system
[NASA-CASE-NPO-11850-1] c 32 N74-12912
Thermomagnetic recording and magneto-optic playback system having constant intensity laser beam control
[NASA-CASE-NPO-11317-2] c 36 N74-13205
Use of thin film light detector
[NASA-CASE-NPO-11432-2] c 35 N74-15090
Temperature compensated digital inertial sensor
[NASA-CASE-NPO-13044-1] c 35 N74-15094
Compact hydrogenator
[NASA-CASE-NPO-11682-1] c 35 N74-15127
Short range laser obstacle detector
[NASA-CASE-NPO-11856-1] c 36 N74-15145
System for stabilizing cable phase delay utilizing a coaxial cable under pressure
[NASA-CASE-NPO-13138-1] c 33 N74-17927
Storage battery comprising negative plates of a wedge shaped configuration
[NASA-CASE-NPO-11806-1] c 44 N74-19693
Gated compressor, distortionless signal limiter
[NASA-CASE-NPO-11820-1] c 32 N74-19788
Apparatus for scanning the surface of a cylindrical body
[NASA-CASE-NPO-11861-1] c 36 N74-20009
Decision feedback loop for tracking a polyphase modulated carrier
[NASA-CASE-NPO-13103-1] c 32 N74-20811
Optically actuated two position mechanical mover
[NASA-CASE-NPO-13105-1] c 37 N74-21060
Thin film gauge
[NASA-CASE-NPO-10617-1] c 35 N74-22095
High isolation RF signal selection switches
[NASA-CASE-NPO-13081-1] c 33 N74-22814
Single reflector interference spectrometer and drive system therefor
[NASA-CASE-NPO-11932-1] c 35 N74-23040
Scanning nozzle plating system
[NASA-CASE-NPO-11758-1] c 31 N74-23065
Rock sampling
[NASA-CASE-NXP-10007-1] c 46 N74-23068
Rock sampling
[NASA-CASE-NXP-09755] c 46 N74-23069
Miniature multichannel biotelemetry system
[NASA-CASE-NPO-13065-1] c 52 N74-26625
Dispensing targets for ion beam particle generators
[NASA-CASE-NPO-13112-1] c 73 N74-26767
Optically detonated explosive device
[NASA-CASE-NPO-11743-1] c 28 N74-27425
Coherent receiver employing nonlinear coherence detection for carrier tracking
[NASA-CASE-NPO-11921-1] c 32 N74-30523
Digital servo control of random sound test excitation
[NASA-CASE-NPO-11623-1] c 71 N74-31148
Apparatus for forming drive belts
[NASA-CASE-NPO-13205-1] c 31 N74-32917
Tool for use in lifting pin supported objects
[NASA-CASE-NPO-13157-1] c 37 N74-32918
Preparing oxidizer coated metal fuel particles
[NASA-CASE-NPO-11975-1] c 28 N74-33209
Geneva mechanism
[NASA-CASE-NPO-13281-1] c 37 N75-13266
Method of producing a storage bulb for an atomic hydrogen maser
[NASA-CASE-NPO-13050-1] c 36 N75-15029
Combined pressure regulator and shutoff valve
[NASA-CASE-NPO-13201-1] c 37 N75-15050
Simultaneous acquisition of tracking data from two stations
[NASA-CASE-NPO-13292-1] c 32 N75-15854
Shock absorbing mount for electrical components
[NASA-CASE-NPO-13253-1] c 37 N75-18573
System for generating timing and control signals
[NASA-CASE-NPO-13125-1] c 33 N75-19519
Motor run-up system
[NASA-CASE-NPO-13374-1] c 33 N75-19524
Deep trap, laser activated image converting system
[NASA-CASE-NPO-13131-1] c 36 N75-19652
Multitarget sequential sputtering apparatus
[NASA-CASE-NPO-13345-1] c 37 N75-19684

Wide angle sun sensor [NASA-CASE-NPO-13327-1]	c 35	N75-23910	Method and apparatus for measurement of trap density and energy distribution in dielectric films [NASA-CASE-NPO-13443-1]	c 76	N76-20994	Hydraulic drain means for servo-systems [NASA-CASE-NPO-10316-1]	c 37	N77-22479
Material suspension within an acoustically excited resonant chamber [NASA-CASE-NPO-13263-1]	c 12	N75-24774	Indicator providing continuous indication of the presence of a specific pollutant in air [NASA-CASE-NPO-13474-1]	c 45	N76-21742	Automated multi-level vehicle parking system [NASA-CASE-NPO-13058-1]	c 37	N77-22480
Heat operated cryogenic electrical generator [NASA-CASE-NPO-13303-1]	c 20	N75-24837	Shared memory for a fault-tolerant computer [NASA-CASE-NPO-13139-1]	c 60	N76-21914	Sun direction detection system [NASA-CASE-NPO-13722-1]	c 74	N77-22951
System for interference signal nulling by polarization adjustment [NASA-CASE-NPO-13140-1]	c 32	N75-24982	Wind sensor [NASA-CASE-NPO-13462-1]	c 35	N76-24524	Isotope separation using metallic vapor lasers [NASA-CASE-NPO-13550-1]	c 36	N77-26477
Heat detection and compositions and devices therefor [NASA-CASE-NPO-10764-2]	c 35	N75-25122	Fiber distributed feedback laser [NASA-CASE-NPO-13531-1]	c 36	N76-24553	Distributed feedback acoustic surface wave oscillator [NASA-CASE-NPO-13673-1]	c 71	N77-26919
Servo-controlled intravital microscope system [NASA-CASE-NPO-13214-1]	c 35	N75-25123	Method and apparatus for generating coherent radiation in the ultra-violet region and above by use of distributed feedback [NASA-CASE-NPO-13346-1]	c 36	N76-29575	Penetrometer [NASA-CASE-NPO-11103-1]	c 35	N77-27367
Vehicle locating system utilizing AM broadcasting station carriers [NASA-CASE-NPO-13217-1]	c 32	N75-26194	Stirling cycle engine and refrigeration systems [NASA-CASE-NPO-13613-1]	c 37	N76-29590	Lightweight reflector assembly [NASA-CASE-NPO-13707-1]	c 74	N77-28933
Asynchronous, multiplexing, single line transmission and recovery data system [NASA-CASE-NPO-13321-1]	c 32	N75-26195	Hydrogen rich gas generator [NASA-CASE-NPO-13342-2]	c 44	N76-29700	Aldehyde-containing urea-absorbing polysaccharides [NASA-CASE-NPO-13620-1]	c 27	N77-30236
Fluorescence detector for monitoring atmospheric pollutants [NASA-CASE-NPO-13231-1]	c 45	N75-27585	Solar-powered pump [NASA-CASE-NPO-13567-1]	c 44	N76-29701	Phase substitution of spare converter for a failed one of parallel phase staggered converters [NASA-CASE-NPO-13812-1]	c 33	N77-30365
Cooperative multi-axis sensor for teleoperation of article manipulating apparatus [NASA-CASE-NPO-13386-1]	c 54	N75-27758	Hydrogen rich gas generator [NASA-CASE-NPO-13464-2]	c 44	N76-29704	Oil and fat absorbing polymers [NASA-CASE-NPO-11609-2]	c 27	N77-31308
Heat sterilizable patient ventilator [NASA-CASE-NPO-13313-1]	c 54	N75-27761	Mycocardium wall thickness transducer and measuring method [NASA-CASE-NPO-13644-1]	c 52	N76-29895	Combustion engine [NASA-CASE-NPO-13671-1]	c 37	N77-31497
Refrigerated coaxial coupling [NASA-CASE-NPO-13504-1]	c 33	N75-30430	Catheter tip force transducer for cardiovascular research [NASA-CASE-NPO-13643-1]	c 52	N76-29896	Apparatus for photon excited catalysis [NASA-CASE-NPO-13566-1]	c 25	N77-32255
Electric power generation system directory from laser power [NASA-CASE-NPO-13308-1]	c 36	N75-30524	Real time analysis of voiced sounds [NASA-CASE-NPO-13465-1]	c 32	N76-31372	Charge-coupled device data processor for an airborne imaging radar system [NASA-CASE-NPO-13587-1]	c 32	N77-32342
Subminiature insertable force transducer [NASA-CASE-NPO-13423-1]	c 33	N75-31329	High resolution Fourier interferometer-spectrophotopolarimeter [NASA-CASE-NPO-13604-1]	c 35	N76-31490	Direct reading inductance meter [NASA-CASE-NPO-13792-1]	c 35	N77-32455
Symmetrical odd-modulus frequency divider [NASA-CASE-NPO-13426-1]	c 33	N75-31330	Reflected-wave maser [NASA-CASE-NPO-13490-1]	c 36	N76-31512	Solar photolysis of water [NASA-CASE-NPO-13675-1]	c 44	N77-32580
Stored charge transistor [NASA-CASE-NPO-11156-2]	c 33	N75-31331	Method of making hollow elastomeric bodies [NASA-CASE-NPO-13535-1]	c 37	N76-31524	Low to high temperature energy conversion system [NASA-CASE-NPO-13510-1]	c 44	N77-32581
Doped Josephson tunneling junction for use in a sensitive IR detector [NASA-CASE-NPO-13348-1]	c 33	N75-31332	Solar cell grid patterns [NASA-CASE-NPO-13087-2]	c 44	N76-31666	Solar energy collection system [NASA-CASE-NPO-13810-1]	c 44	N77-32582
Acoustically controlled distributed feedback laser [NASA-CASE-NPO-13175-1]	c 36	N75-31427	Furlable antenna [NASA-CASE-NPO-13553-1]	c 33	N76-32457	Three-dimensional tracking solar energy concentrator and method for making same [NASA-CASE-NPO-13736-1]	c 44	N77-32583
Inert gas metallic vapor laser [NASA-CASE-NPO-13449-1]	c 36	N75-32441	Annular arc accelerator shock tube [NASA-CASE-NPO-13528-1]	c 09	N77-10071	Overload protection system for power inverter [NASA-CASE-NPO-13872-1]	c 33	N78-10377
Helium refrigerator [NASA-CASE-NPO-13435-1]	c 31	N76-14284	Cryostat system for temperatures on the order of 2 deg K or less [NASA-CASE-NPO-13459-1]	c 31	N77-10229	Photoelectron spectrometer with means for stabilizing sample surface potential [NASA-CASE-NPO-13772-1]	c 35	N78-10429
Nonlinear nonsingular feedback shift registers [NASA-CASE-NPO-13451-1]	c 33	N76-14373	The dc-to-dc converters employing staggered-phase power switches with two-loop control [NASA-CASE-NPO-13512-1]	c 33	N77-10428	Machine for use in monitoring fatigue life for a plurality of elastomeric specimens [NASA-CASE-NPO-13731-1]	c 39	N78-10493
Strain gage mounting assembly [NASA-CASE-NPO-13170-1]	c 35	N76-14430	Ion and electron detector for use in an ICR spectrometer [NASA-CASE-NPO-13479-1]	c 35	N77-10492	Portable linear-focused solar thermal energy collecting system [NASA-CASE-NPO-13734-1]	c 44	N78-10554
Thermostatically controlled non-tracking type solar energy concentrator [NASA-CASE-NPO-13497-1]	c 44	N76-14602	Hydrogen-rich gas generator [NASA-CASE-NPO-13560-1]	c 44	N77-10636	Acoustic energy shaping [NASA-CASE-NPO-13802-1]	c 71	N78-10837
Multi-computer multiple data path hardware exchange system [NASA-CASE-NPO-13422-1]	c 60	N76-14818	Space communication system for compressed data with a concatenated Reed-Solomon-Viterbi coding channel [NASA-CASE-NPO-13545-1]	c 32	N77-12240	High voltage, high current Schottky barrier solar cell [NASA-CASE-NPO-13482-1]	c 44	N78-13526
Cermet composition and method of fabrication [NASA-CASE-NPO-13120-1]	c 27	N76-15311	Computer interface system [NASA-CASE-NPO-13428-1]	c 60	N77-12721	Durable antistatic coating for polymethylmethacrylate [NASA-CASE-NPO-13867-1]	c 27	N78-14164
Dichroic plate [NASA-CASE-NPO-13506-1]	c 35	N76-15435	High temperature oxidation resistant cermet compositions [NASA-CASE-NPO-13666-1]	c 27	N77-13217	Ultra stable frequency distribution system [NASA-CASE-NPO-13836-1]	c 32	N78-15323
Magnetometer using superconducting rotating body [NASA-CASE-NPO-13388-1]	c 35	N76-16390	Frequency discriminator and phase detector circuit [NASA-CASE-NPO-11515-1]	c 33	N77-13315	Selective image area control of X-ray film exposure density [NASA-CASE-NPO-13808-1]	c 35	N78-15461
Scan converting video tape recorder [NASA-CASE-NPO-10166-2]	c 35	N76-16391	Mass spectrometer with magnetic pole pieces providing the magnetic fields for both the magnetic sector and an ion-type vacuum pump [NASA-CASE-NPO-13663-1]	c 35	N77-14406	Motion restraining device [NASA-CASE-NPO-13619-1]	c 37	N78-16369
Hydrogen rich gas generator [NASA-CASE-NPO-13342-1]	c 37	N76-16446	Thermocouple installation [NASA-CASE-NPO-13540-1]	c 35	N77-14409	Nuclear alkylated pyridine aldehyde polymers and conductive compositions thereof [NASA-CASE-NPO-10557]	c 27	N78-17214
Automated system for identifying traces of organic chemical compounds in aqueous solutions [NASA-CASE-NPO-13063-1]	c 25	N76-18245	Method and apparatus for background signal reduction in opto-acoustic absorption measurement [NASA-CASE-NPO-13683-1]	c 35	N77-14411	Method of adhering bone to a rigid substrate using a graphite fiber reinforced bone cement [NASA-CASE-NPO-13764-1]	c 27	N78-17215
Analog to digital converter [NASA-CASE-NPO-13385-1]	c 33	N76-18345	Nuclear thermionic converter [NASA-CASE-NPO-13121-1]	c 73	N77-18891	Purging means and method for Xenon arc lamps [NASA-CASE-NPO-11978]	c 31	N78-17238
Sampler of gas borne particles [NASA-CASE-NPO-13396-1]	c 35	N76-18401	Multiple rate digital command detection system with range clean-up capability [NASA-CASE-NPO-13753-1]	c 32	N77-20289	Pressure transducer [NASA-CASE-NPO-11150]	c 35	N78-17359
Stark-effect modulation of CO2 laser with NH2D [NASA-CASE-NPO-11945-1]	c 36	N76-18427	Charge storage diode modulators and demodulators [NASA-CASE-NPO-10189-1]	c 33	N77-21314	Cross correlation anomaly detection system [NASA-CASE-NPO-13283]	c 38	N78-17395
Diffused waveguiding capillary tube with distributed feedback for a gas laser [NASA-CASE-NPO-13544-1]	c 36	N76-18428	Compact, high intensity arc lamp with internal magnetic field producing means [NASA-CASE-NPO-11510-1]	c 33	N77-21315	Automatic visual inspection system for microelectronics [NASA-CASE-NPO-13282]	c 38	N78-17396
System for minimizing internal combustion engine pollution emission [NASA-CASE-NPO-13402-1]	c 37	N76-18457	Depressurization of arc lamps [NASA-CASE-NPO-10790-1]	c 33	N77-21316	Low cost solar energy collection system [NASA-CASE-NPO-13579-1]	c 44	N78-17460
Hydrogen-bromine secondary battery [NASA-CASE-NPO-13237-1]	c 44	N76-18641	Electromagnetic transducer recording head having a laminated core section and tapered gap [NASA-CASE-NPO-10711-1]	c 35	N77-21392	Differential optoacoustic absorption detector [NASA-CASE-NPO-13759-1]	c 74	N78-17867
Hydrogen-rich gas generator [NASA-CASE-NPO-13464-1]	c 44	N76-18642	Cryogenic liquid sensor [NASA-CASE-NPO-10619-1]	c 35	N77-21393	Interferometer mirror tilt correcting system [NASA-CASE-NPO-13687-1]	c 35	N78-18391
Zinc-halide battery with molten electrolyte [NASA-CASE-NPO-11961-1]	c 44	N76-18643	Uniform variable light source [NASA-CASE-NPO-11429-1]	c 74	N77-21941	Over-under double-pass interferometer [NASA-CASE-NPO-13999-1]	c 35	N78-18395
Priority interrupt system [NASA-CASE-NPO-13067-1]	c 60	N76-18800	Arc control in compact arc lamps [NASA-CASE-NPO-10870-1]	c 33	N77-22386	Independent gain and bandwidth control of a traveling wave maser [NASA-CASE-NPO-13801-1]	c 36	N78-18410
Miniature muscle displacement transducer [NASA-CASE-NPO-13519-1]	c 33	N76-19338				High temperature resistant cermet and ceramic compositions [NASA-CASE-NPO-13690-1]	c 27	N78-19302
Zero torque gear head wrench [NASA-CASE-NPO-13059-1]	c 37	N76-20480				Underground mineral extraction [NASA-CASE-NPO-14140-1]	c 31	N78-24387

Thin conformal antenna array for microwave power conversions			High-torque open-end wrench			Multiple anode arc lamp system		
[NASA-CASE-NPO-13886-1]	c 32	N78-24391	[NASA-CASE-NPO-13541-1]	c 37	N79-14383	[NASA-CASE-NPO-10857-1]	c 33	N80-14330
Multistation refrigeration system			Sun tracking solar energy collector			Method for analyzing radiation sensitivity of integrated circuits		
[NASA-CASE-NPO-13839-1]	c 31	N78-25256	[NASA-CASE-NPO-13921-1]	c 44	N79-14526	[NASA-CASE-NPO-14350-1]	c 33	N80-14332
Swept group delay measurement			Primary reflector for solar energy collection systems			Method for forming a solar array strip		
[NASA-CASE-NPO-13909-1]	c 33	N78-25319	[NASA-CASE-NPO-13579-4]	c 44	N79-14529	[NASA-CASE-NPO-13652-3]	c 44	N80-14474
Polymenc electrolytic hygrometer			Gas diffusion liquid storage bag and method of use for storing blood			Ozonation of cooling tower waters		
[NASA-CASE-NPO-13948-1]	c 35	N78-25391	[NASA-CASE-NPO-13930-1]	c 52	N79-14749	[NASA-CASE-NPO-14340-1]	c 45	N80-14579
Charge transfer reaction laser with preionization means			Coupling apparatus for ultrasonic medical diagnostic system			System for real-time crustal deformation monitoring		
[NASA-CASE-NPO-13945-1]	c 36	N78-27402	[NASA-CASE-NPO-13935-1]	c 52	N79-14751	[NASA-CASE-NPO-14124-1]	c 46	N80-14603
RF beam center location method and apparatus for power transmission system			Thermomagnetic recording and magnetic-optic playback system			Dialysis system		
[NASA-CASE-NPO-13821-1]	c 44	N78-28594	[NASA-CASE-NPO-10872-1]	c 35	N79-16246	[NASA-CASE-NPO-14101-1]	c 52	N80-14687
Control for nuclear thermionic power source			Manganese bismuth films with narrow transfer characteristics for Curie-point switching			High resolution threshold photoelectron spectroscopy by electron attachment		
[NASA-CASE-NPO-13114-2]	c 73	N78-28913	[NASA-CASE-NPO-11336-1]	c 76	N79-16678	[NASA-CASE-NPO-14078-1]	c 72	N80-1487
Magneto-optic detection system with noise cancellation			CCD correlated quadruple sampling processor			Strong thin membrane structure		
[NASA-CASE-NPO-11954-1]	c 35	N78-29421	[NASA-CASE-NPO-14426-1]	c 33	N79-17134	[NASA-CASE-NPO-14021-2]	c 27	N80-16163
Nitramine propellants			Multispectral imaging and analysis system			Antenna feed system for receiving circular polarization and transmitting linear polarization		
[NASA-CASE-NPO-14103-1]	c 28	N78-31255	[NASA-CASE-NPO-13691-1]	c 43	N79-17288	[NASA-CASE-NPO-14362-1]	c 32	N80-16261
Reflex feed system for dual frequency antenna with frequency cutoff means			Solar array strip and a method for forming the same			High-speed data link for moderate distances and noisy environments		
[NASA-CASE-NPO-14022-1]	c 32	N78-31321	[NASA-CASE-NPO-13652-1]	c 44	N79-17314	[NASA-CASE-NPO-14152-1]	c 32	N80-18252
Solar pond			Process for purification of waste water produced by a Kraft process pulp and paper mill			Radio frequency arraying method for receivers		
[NASA-CASE-NPO-13581-2]	c 44	N78-31525	[NASA-CASE-NPO-13847-2]	c 85	N79-17747	[NASA-CASE-NPO-14328-1]	c 32	N80-18253
Non-tracking solar energy collector system			Thermal energy transformer			High power RF coaxial switch		
[NASA-CASE-NPO-13813-1]	c 44	N78-31526	[NASA-CASE-NPO-14058-1]	c 44	N79-18443	[NASA-CASE-NPO-14229-1]	c 33	N80-18285
Coal desulfurization process			Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths			Microwave power transmission beam safety system		
[NASA-CASE-NPO-13937-1]	c 44	N78-31527	[NASA-CASE-NPO-14525-1]	c 32	N79-19195	[NASA-CASE-NPO-14224-1]	c 33	N80-18287
Solid propellant motor			Method and turbine for extracting kinetic energy from a stream of two-phase fluid			Viscosity measuring instrument		
[NASA-CASE-NPO-11458A]	c 20	N78-32179	[NASA-CASE-NPO-14130-1]	c 34	N79-20335	[NASA-CASE-NPO-14501-1]	c 35	N80-18357
Thermoplastic rubber compnsing ethylene-vinyl acetate copolymer, asphalt and fluxing oil			Terminal guidance sensor system			Frequency-scanning particle size spectrometer		
[NASA-CASE-NPO-08835-1]	c 27	N78-33228	[NASA-CASE-NPO-14521-1]	c 54	N79-20746	[NASA-CASE-NPO-13606-2]	c 35	N80-18364
Hydrogen-fueled engine			Digital data reformatter/desenaler			Dielectnc-loaded waveguide circulator for cryogenically cooled and cascaded maser waveguide structures		
[NASA-CASE-NPO-13763-1]	c 44	N78-33526	[NASA-CASE-NPO-13676-1]	c 60	N79-20751	[NASA-CASE-NPO-14541-1]	c 36	N80-18372
Plural output optometric sample cell and analysis system			Acoustic driving of rotor			Driver for solar cell I-V characteristic plots		
[NASA-CASE-NPO-10233-1]	c 74	N78-33913	[NASA-CASE-NPO-14005-1]	c 71	N79-20827	[NASA-CASE-NPO-14096-1]	c 44	N80-18551
Portable electrophoresis apparatus using minimum electrolyte			System and method for obtaining wide screen Schlieren photographs			Method and means for helium/hydrogen ratio measurement by alpha scattering		
[NASA-CASE-NPO-13274-1]	c 25	N79-10163	[NASA-CASE-NPO-14174-1]	c 74	N79-20856	[NASA-CASE-NPO-14079-1]	c 25	N80-20334
Automatic communication signal monitoring system			Seismic vibration source			Satellite personal communications system		
[NASA-CASE-NPO-13941-1]	c 32	N79-10262	[NASA-CASE-NPO-14112-1]	c 46	N79-22679	[NASA-CASE-NPO-14480-1]	c 32	N80-20448
Surface roughness measuring system			Centrifugal-reciprocating compressor			Velocity servo for continuous scan Fournier interference spectrometer		
[NASA-CASE-NPO-13862-1]	c 35	N79-10391	[NASA-CASE-NPO-14597-1]	c 37	N79-23431	[NASA-CASE-NPO-14093-1]	c 35	N80-20563
Vehicular impact absorption system			Underwater seismic source			Portable heatable container		
[NASA-CASE-NPO-14014-1]	c 37	N79-10420	[NASA-CASE-NPO-14255-1]	c 46	N79-23555	[NASA-CASE-NPO-14237-1]	c 44	N80-20808
Dual membrane hollow fiber fuel cell and method of operating same			Resolution enhanced sound detecting apparatus			Dual band combiner for horn antenna		
[NASA-CASE-NPO-13732-1]	c 44	N79-10513	[NASA-CASE-NPO-14134-1]	c 71	N79-23753	[NASA-CASE-NPO-14519-1]	c 32	N80-23524
Combuster			Phase conjugation method and apparatus for an active retrodirective antenna array			Passive intrusion detection system		
[NASA-CASE-NPO-13958-1]	c 25	N79-11151	[NASA-CASE-NPO-13641-1]	c 32	N79-24210	[NASA-CASE-NPO-13804-1]	c 33	N80-23559
Surfactant-assisted liquefaction of particulate carbonaceous substances			Module failure isolation circuit for paralleled inverters			Method and apparatus for Doppler frequency modulation of radiation		
[NASA-CASE-NPO-13904-1]	c 25	N79-11152	[NASA-CASE-NPO-14000-1]	c 33	N79-24254	[NASA-CASE-NPO-14524-1]	c 32	N80-24510
Electroexplosive device			Circuit for automatic load sharing in parallel converter modules			Method of mitigating titanium impurities effects in p-type silicon material for solar cells		
[NASA-CASE-NPO-13858-1]	c 28	N79-11231	[NASA-CASE-NPO-14056-1]	c 33	N79-24257	[NASA-CASE-NPO-14635-1]	c 44	N80-24741
Space-charge-limited solid-state triode			Bonding machine for forming a solar array strip			Geological assessment probe		
[NASA-CASE-NPO-13064-1]	c 33	N79-11314	[NASA-CASE-NPO-13652-2]	c 44	N79-24431	[NASA-CASE-NPO-14558-1]	c 46	N80-24906
Plasma igniter for internal combustion engine			Primary reflector for solar energy collection systems and method of making same			Cooled echelle grating spectrometer		
[NASA-CASE-NPO-13828-1]	c 37	N79-11405	[NASA-CASE-NPO-13579-3]	c 44	N79-24432	[NASA-CASE-NPO-14372-1]	c 35	N80-26635
Non-tracking solar energy collector system			Solar energy collection system			Improved method for driving two-phase turbines with enhanced efficiency		
[NASA-CASE-NPO-13817-1]	c 44	N79-11471	[NASA-CASE-NPO-13579-2]	c 44	N79-24433	[NASA-CASE-NPO-15037-1]	c 37	N80-26660
Method of controlling defect orientation in silicon crystal nbnbn growth			Compact artificial hand			Simultaneous muscle force and displacement transducer		
[NASA-CASE-NPO-13918-1]	c 76	N79-11920	[NASA-CASE-NPO-13906-1]	c 54	N79-24652	[NASA-CASE-NPO-14212-1]	c 52	N80-27072
Method and apparatus for measuring minority carrier lifetimes and bulk diffusion length in P-N junction solar cells			A general logic structure for custom LSI circuits			Miniature cyclotron resonance ion source using small permanent magnet		
[NASA-CASE-NPO-14100-1]	c 44	N79-12541	[NASA-CASE-NPO-14410-1]	c 33	N79-25314	[NASA-CASE-NPO-14324-1]	c 72	N80-27163
Automated clinical system for chromosome analysis			Double-sided solar cell package			Silicone containing solid propellant		
[NASA-CASE-NPO-13913-1]	c 52	N79-12694	[NASA-CASE-NPO-14199-1]	c 44	N79-25482	[NASA-CASE-NPO-14477-1]	c 28	N80-28536
Conical scan tracking system employing a large antenna			Apparatus and method of inserting a microelectrode in body tissue or the like using vibration means			System for slicing silicon wafers		
[NASA-CASE-NPO-14009-1]	c 32	N79-13214	[NASA-CASE-NPO-13910-1]	c 52	N79-27836	[NASA-CASE-NPO-14406-1]	c 37	N80-29703
Stabilization of He2(a 3 Sigma u+ molecules in liquid helium by optical pumping for vacuum UV laser 6			Chemical vapor deposition reactor			Induced junction solar cell and method of fabrication		
[NASA-CASE-NPO-13993-1]	c 72	N79-13826	[NASA-CASE-NPO-13650-1]	c 25	N79-28253	[NASA-CASE-NPO-13786-1]	c 44	N80-29835
High temperature resistant cermet and ceramic compositions			High performance ammonium nitrate propellant			Interferometric locating system		
[NASA-CASE-NPO-13690-2]	c 27	N79-14213	[NASA-CASE-NPO-14260-1]	c 28	N79-28342	[NASA-CASE-NPO-14173-1]	c 04	N80-32359
Inhibited solid propellant composition containing beryllium hydride			Biocontamination and particulate detection system			Curable liquid hydrocarbon prepolymers containing hydroxyl groups and process for producing same		
[NASA-CASE-NPO-10866-1]	c 28	N79-14228	[NASA-CASE-NPO-13953-1]	c 35	N79-28527	[NASA-CASE-NPO-13137-1]	c 27	N80-32514
Digital demodulator-correlator			Multi-channel rotating optical interface for data transmission			Prepolymer dianhydrides		
[NASA-CASE-NPO-13982-1]	c 32	N79-14267	[NASA-CASE-NPO-14066-1]	c 74	N79-34011	[NASA-CASE-NPO-13899-1]	c 27	N80-32515
Azimuth correlator for real-time synthetic aperture radar image processing			Start up system for hydrogen generator used with an internal combustion engine			System for plotting subsoil structure and method therefor		
[NASA-CASE-NPO-14019-1]	c 32	N79-14268	[NASA-CASE-NPO-13849-1]	c 28	N80-10374	[NASA-CASE-NPO-14191-1]	c 31	N80-32584
Apparatus for providing a servo drive signal in a high-speed stepping interferometer			System for detecting substructure microfractures and method therefore			Support assembly for cryogenically coolable low-noise choke waveguide		
[NASA-CASE-NPO-13569-2]	c 35	N79-14348	[NASA-CASE-NPO-14192-1]	c 39	N80-10507	[NASA-CASE-NPO-14253-1]	c 32	N80-32605
			Borehole geological assessment			Stark cell optoacoustic detection of constituent gases in sample		
			[NASA-CASE-NPO-14231-1]	c 46	N80-10709	[NASA-CASE-NPO-14143-1]	c 25	N81-14011
			Electromagnetic power absorber					
			[NASA-CASE-NPO-13830-1]	c 32	N80-14281			

Membrane consisting of polyquaternary amine ion exchange polymer network interpenetrating the chains of thermoplastic matrix polymer
[NASA-CASE-NPO-14001-1] c 27 N81-14076

Frequency translating phase conjugation circuit for active retrodirective antenna array
[NASA-CASE-NPO-14536-1] c 32 N81-14185

Precise RF timing signal distribution to remote stations
[NASA-CASE-NPO-14749-1] c 32 N81-14188

Base drive for paralleled inverter systems
[NASA-CASE-NPO-14163-1] c 33 N81-14220

Low cost cryostat
[NASA-CASE-NPO-14513-1] c 35 N81-14287

Power control for hot gas engines
[NASA-CASE-NPO-14220-1] c 37 N81-14318

Viscoelastic cationic polymers containing the urethane linkage
[NASA-CASE-NPO-10830-1] c 27 N81-15104

Continuous coal processing method
[NASA-CASE-NPO-13758-2] c 31 N81-15154

An electro-optical Doppler tracker means and method for optical correlation of synthetic aperture radar data
[NASA-CASE-NPO-14998-1] c 33 N81-15194

Speed control device for a heavy duty shaft
[NASA-CASE-NPO-14170-1] c 37 N81-15384

Redundant operation of counter modules
[NASA-CASE-NPO-14162-1] c 60 N81-15706

Insoluble polyelectrolyte and ion-exchange hollow fiber impregnated therewith
[NASA-CASE-NPO-13530-1] c 25 N81-17187

Molten salt pyrolysis of latex
[NASA-CASE-NPO-14315-1] c 27 N81-17261

Phase-angle controller for Stirling engines
[NASA-CASE-NPO-14388-1] c 37 N81-17432

Solar energy receiver for a Stirling engine
[NASA-CASE-NPO-14619-1] c 44 N81-17518

System for forming a quadrified image comprising angularly related fields of view of a three dimensional object
[NASA-CASE-NPO-14219-1] c 74 N81-17886

Double-beam optical method and apparatus for measuring thermal diffusivity and other molecular dynamic processes in utilizing the transient thermal lens effect
[NASA-CASE-NPO-14657-1] c 74 N81-17887

Interferometer
[NASA-CASE-NPO-14502-1] c 74 N81-17888

Ion-exchange hollow fibers
[NASA-CASE-NPO-13309-1] c 25 N81-19244

Elimination of current spikes in buck power converters
[NASA-CASE-NPO-14505-1] c 33 N81-19393

Copper doped polycrystalline silicon solar cell
[NASA-CASE-NPO-14670-1] c 44 N81-19558

System and method for character recognition
[NASA-CASE-NPO-11337-1] c 74 N81-19896

X-ray position detector
[NASA-CASE-NPO-12087-1] c 74 N81-19898

Controller for computer control of brushless dc motors
[NASA-CASE-NPO-13970-1] c 33 N81-20352

Multifunctional transducer
[NASA-CASE-NPO-14329-1] c 52 N81-20703

Low-frequency radio navigation system
[NASA-CASE-NPO-15264-1] c 04 N81-22036

Focal plane array optical proximity sensor
[NASA-CASE-NPO-15155-1] c 74 N81-22894

Polymenc compositions and their method of manufacture
[NASA-CASE-NPO-10424-1] c 27 N81-24258

Low current linearization of magnetic amplifier for dc transducer
[NASA-CASE-NPO-14617-1] c 33 N81-24338

Maser amplifier slow wave structure
[NASA-CASE-NPO-15211-1] c 36 N81-24425

Stark effect spectrophone for continuous absorption spectra monitoring
[NASA-CASE-NPO-15102-1] c 25 N81-25159

Hot gas engine with dual crankshafts
[NASA-CASE-NPO-14221-1] c 37 N81-25370

Sandblasting nozzle
[NASA-CASE-NPO-13823-1] c 37 N81-25371

Photomechanical transducer
[NASA-CASE-NPO-14363-1] c 39 N81-25400

Underground mineral extraction
[NASA-CASE-NPO-14140-1] c 43 N81-26509

CCD correlated quadruple sampling processor
[NASA-CASE-NPO-14426-1] c 33 N81-27396

Programmable scan/read circuitry for charge coupled device imaging detectors
[NASA-CASE-NPO-15345-1] c 33 N81-27403

Terminal guidance sensor system
[NASA-CASE-NPO-14521-1] c 37 N81-27519

A stable density-stratification solar pond
[NASA-CASE-NPO-15419-1] c 44 N81-27599

Medical diagnosis system and method with multispectral imaging
[NASA-CASE-NPO-14402-1] c 52 N81-27783

High-speed multiplexing of keyboard data inputs
[NASA-CASE-NPO-14554-1] c 60 N81-27814

Asymmetric polyimide separation membrane and method
[NASA-CASE-NPO-15431-1] c 25 N81-29178

Coal desulfurization
[NASA-CASE-NPO-14272-1] c 25 N81-33246

Pressure shutdown method and device for coal conversion systems
[NASA-CASE-NPO-15100-1] c 28 N81-33306

Method and apparatus for producing concentric hollow spheres
[NASA-CASE-NPO-14596-1] c 31 N81-33319

Push-pull converter with energy saving circuit for protecting switching transistors from peak power stress
[NASA-CASE-NPO-14316-1] c 33 N81-33404

Optical gyroscope system
[NASA-CASE-NPO-14258-1] c 35 N81-33448

Method and apparatus for precision control of radiometer
[NASA-CASE-NPO-15398-1] c 35 N81-33449

Head for high speed spinner having a vacuum chuck
[NASA-CASE-NPO-15227-1] c 37 N81-33482

Radiative cooler
[NASA-CASE-NPO-15465-1] c 18 N82-10106

Synthetic aperture radar target simulator
[NASA-CASE-NPO-15024-1] c 32 N82-10286

Solar energy modulator
[NASA-CASE-NPO-15388-1] c 44 N82-10496

Fluidized bed coal combustion reactor
[NASA-CASE-NPO-14273-1] c 25 N82-11144

Scriber for silicon wafers
[NASA-CASE-NPO-15539-1] c 37 N82-11469

Sewage sludge additive
[NASA-CASE-NPO-13877-1] c 45 N82-11634

Automatic multi-banking of memory for microprocessors
[NASA-CASE-NPO-15295-1] c 60 N82-11785

Supercritical multicomponent solvent coal extraction
[NASA-CASE-NPO-15767-1] c 28 N82-12241

Real-time multiple-look synthetic aperture radar processor for spacecraft applications
[NASA-CASE-NPO-14054-1] c 32 N82-12297

A pipelined digital SAR azimuth correlator using hybrid FFT/transversal-filter
[NASA-CASE-NPO-15519-1] c 32 N82-12298

Multiple-beam, high-power, precision pointing antenna system
[NASA-CASE-NPO-15406-1] c 33 N82-12345

Phase sensitive guidance sensor for wire-following vehicles
[NASA-CASE-NPO-15341-1] c 33 N82-12346

Microwave limb sounder
[NASA-CASE-NPO-14544-1] c 46 N82-12685

Faraday rotation measurement method and apparatus
[NASA-CASE-NPO-14839-1] c 35 N82-15381

Solar heated fluidized bed gasification system
[NASA-CASE-NPO-15071-1] c 44 N82-16475

Method for shaping and aiming narrow beams
[NASA-CASE-NPO-14632-1] c 32 N82-18443

Fiber optic transmission line stabilization apparatus and method
[NASA-CASE-NPO-15036-1] c 74 N82-19029

Suspension system for a wheel rolling on a flat track
[NASA-CASE-NPO-14395-1] c 37 N82-21587

Method and apparatus for growth of crystals by pressure reduction of supercritical or subcritical solution
[NASA-CASE-NPO-15772-1] c 76 N82-23031

Echo tracker/range finder for radars and sonars
[NASA-CASE-NPO-14361-1] c 32 N82-23376

Glass heating panels and method for preparing the same from architectural reflective glass
[NASA-CASE-NPO-15753-1] c 33 N82-23396

Constant magnification optical tracking system
[NASA-CASE-NPO-14813-1] c 74 N82-24072

MHD electrical generator
[NASA-CASE-NPO-15399-1] c 75 N82-24079

Pulse switching for high energy lasers
[NASA-CASE-NPO-14556-1] c 33 N82-24418

Acoustic rotation control
[NASA-CASE-NPO-15689-1] c 35 N82-24475

Hermetic seal for a shaft
[NASA-CASE-NPO-15115-1] c 37 N82-24493

Means and method for calibrating a photon detector utilizing electron-photon coincidence
[NASA-CASE-NPO-15644-1] c 72 N82-24953

Ion mass spectrometer
[NASA-CASE-NPO-15423-1] c 91 N82-25042

Autocatalytic coal liquefaction process
[NASA-CASE-NPO-14876-2] c 28 N82-25394

General logic structure for custom LSI circuits
[NASA-CASE-NPO-14410-2] c 33 N82-25440

Instrumentation for sensing moisture content of material using a transient thermal pulse
[NASA-CASE-NPO-15494-1] c 35 N82-25484

Epitaxial thinning process
[NASA-CASE-NPO-15786-1] c 25 N82-26397

Supercritical solvent coal extraction
[NASA-CASE-NPO-15210-1] c 28 N82-26481

Wideband passive synthetic-aperture multichannel receiver
[NASA-CASE-NPO-15651-1] c 32 N82-26523

Electrodes for solid state devices
[NASA-CASE-NPO-15161-1] c 33 N82-26575

State-of-charge coulometer
[NASA-CASE-NPO-15759-1] c 35 N82-26630

A brushless dc tachometer
[NASA-CASE-NPO-15706-1] c 35 N82-26633

Correlation spectrometer having high resolution and multiplexing capability
[NASA-CASE-NPO-15558-1] c 35 N82-26636

Spectrophone stabilized laser with line center offset frequency control
[NASA-CASE-NPO-15516-1] c 36 N82-26652

Automotive absorption air conditioner utilizing solar and motor waste heat
[NASA-CASE-NPO-15183-1] c 44 N82-26776

Efficiency of silicon solar cells containing chromium
[NASA-CASE-NPO-15179-1] c 44 N82-26777

Process and apparatus for growing a crystal ribbon
[NASA-CASE-NPO-15629-1] c 44 N82-26779

Method and apparatus for calibrating the ionosphere and application to surveillance of geophysical events
[NASA-CASE-NPO-15430-1] c 46 N82-26890

Acoustic levitation methods and apparatus
[NASA-CASE-NPO-15562-1] c 71 N82-27086

Acoustic agglomeration methods and apparatus
[NASA-CASE-NPO-15466-1] c 71 N82-27087

Thermochemical generation of hydrogen
[NASA-CASE-NPO-15015-1] c 25 N82-28368

Method of forming frozen spheres in a force-free drop tower
[NASA-CASE-NPO-14845-1] c 27 N82-28442

Method and apparatus for Delta K synthetic aperture radar measurement of ocean current
[NASA-CASE-NPO-15704-1] c 32 N82-28502

High power metallic halide laser
[NASA-CASE-NPO-14782-1] c 36 N82-28616

Arrangement for damping the resonance in a laser diode
[NASA-CASE-NPO-15980-1] c 36 N82-28618

Method and apparatus for transfer function simulator for testing complex systems
[NASA-CASE-NPO-15696-1] c 36 N82-28619

Improved ingot slicing machine
[NASA-CASE-NPO-15483-1] c 37 N82-28642

Method of fabricating Schottky Barrier solar cell
[NASA-CASE-NPO-13689-4] c 44 N82-28780

Wind and solar powered turbine
[NASA-CASE-NPO-15496-1] c 44 N82-28784

Solar concentrator protective system
[NASA-CASE-NPO-15662-1] c 44 N82-28785

Acoustic particle separation
[NASA-CASE-NPO-15559-1] c 71 N82-29112

Coal desulfurization by aqueous chlorination
[NASA-CASE-NPO-14902-1] c 25 N82-29371

Control means for a solid state crossbar switch
[NASA-CASE-NPO-15066-1] c 33 N82-29538

Coherently pulsed laser source
[NASA-CASE-NPO-15111-1] c 36 N82-29589

Solid electrolyte cell
[NASA-CASE-NPO-15269-1] c 44 N82-29710

Saltless solar pond
[NASA-CASE-NPO-15808-1] c 44 N82-29714

Electromigration process for the purification of molten silicon during crystal growth
[NASA-CASE-NPO-14831-1] c 76 N82-30105

Low noise lead screw positioner
[NASA-CASE-NPO-15617-1] c 35 N82-33681

CAT altitude avoidance system
[NASA-CASE-NPO-15351-1] c 06 N83-10040

Method and apparatus for convection control of metallic halide vapor density in a metallic halide laser
[NASA-CASE-NPO-15021-1] c 36 N83-10417

Thermal reactor
[NASA-CASE-NPO-14369-1] c 44 N83-10501

Retinally stabilized differential resolution television display
[NASA-CASE-NPO-15432-1] c 32 N83-12308

Submillimeter wave Schottky barrier diode with low series resistance and low noise
[NASA-CASE-NPO-15935-1] c 33 N83-12334

Closed loop electrostatic system
[NASA-CASE-NPO-15553-1] c 33 N83-12335

Apparatus and method to keep the walls of a free space reactor free from deposits of solid materials
[NASA-CASE-NPO-15851-1] c 73 N83-12986

Ranging system
[NASA-CASE-NPO-15865-1] c 74 N83-12991

Integrated optics in an electrically scanned imaging Fourier transform spectrometer [NASA-CASE-NPO-15844-1] c 74 N83-12992

Total immersion crystal growth [NASA-CASE-NPO-15800-1] c 76 N83-15149

Enhancement of in vitro guanylate propagation [NASA-CASE-NPO-15213-1] c 51 N83-17045

System for indicating fuel-efficient aircraft altitude [NASA-CASE-NPO-15351-2] c 06 N83-17536

Contactless pellet fabrication [NASA-CASE-NPO-15592-1] c 31 N83-17746

Optical fiber tactile sensor [NASA-CASE-NPO-15375-1] c 74 N83-18485

Servomechanism for Doppler shift compensation in optical correlator for synthetic aperture radar [NASA-CASE-NPO-14998-1] c 32 N83-18975

Synchronized voltage contrast display analysis system [NASA-CASE-NPO-14567-1] c 33 N83-18996

Broadband optical radiation detector [US-PATENT-4,262,198] c 74 N83-19597

Combustion engine system [NASA-CASE-NPO-14565-2] c 25 N83-19826

Production of ultrapure amorphous metals utilizing acoustic cooling [NASA-CASE-NPO-15658-1] c 26 N83-19890

Elastomer coated filler and composites thereof comprising at least 60% by weight of a hydrated filler and an elastomer containing an acid substituent [NASA-CASE-NPO-14857-1] c 27 N83-19900

Absorbable susceptor joining of ceramic surfaces [NASA-CASE-NPO-15640-1] c 27 N83-19904

Thin wire pointing method [NASA-CASE-NPO-15789-1] c 31 N83-19947

Clutter free synthetic aperture radar correlator [NASA-CASE-NPO-14035-1] c 32 N83-19968

Beam forming network [NASA-CASE-NPO-15743-1] c 32 N83-19969

Electronic con scanning spacecraft communication system [NASA-CASE-NPO-15899-1] c 32 N83-19970

Integrated opto-electronic laser beam deflector position detector [NASA-CASE-NPO-15943-1] c 36 N83-20092

High production shuttle car system for coal mines [NASA-CASE-NPO-15949-1] c 37 N83-20155

Articulated joint for deployable structures [NASA-CASE-NPO-16038-1] c 37 N83-20157

Method and apparatus for contour mapping using synthetic aperture radar [NASA-CASE-NPO-15939-1] c 43 N83-20324

Apparatus and method for destructive removal of particles contained in a flowing fluid [NASA-CASE-NPO-15426-1] c 45 N83-20447

Multicomputer communication system [NASA-CASE-NPO-15433-1] c 62 N83-20634

Integrating IR detector imaging systems [NASA-CASE-NPO-15805-1] c 74 N83-20757

Controlled in situ etch-back [NASA-CASE-NPO-15625-1] c 76 N83-20789

Method of making macrocrystalline or single crystal semiconductive material and products produced thereby [NASA-CASE-NPO-15904-1] c 76 N83-21993

Stabilized lanthanum sulphur compounds [NASA-CASE-NPO-16135-1] c 25 N83-24572

Split-cross-bridge-resistor for testing for proper fabrication of integrated circuit [NASA-CASE-NPO-16021-1] c 33 N83-24769

Digital control of diode laser for atmospheric spectroscopy [NASA-CASE-NPO-16000-1] c 36 N83-24842

Mobile sampler for use in acquiring samples of terrestrial atmospheric gases [NASA-CASE-NPO-15220-1] c 45 N83-25217

System and method for moving a probe to follow movements of tissue [NASA-CASE-NPO-15197-1] c 52 N83-25346

Method for making a bonded single mode fiber optic wavelength coupler [NASA-CASE-NPO-15464-1] c 74 N83-25540

Optical system [NASA-CASE-NPO-15801-1] c 74 N83-25541

Photoelectrochemical electrodes [NASA-CASE-NPO-15458-1] c 76 N83-25587

Waveguide cooling system [NASA-CASE-NPO-15401-1] c 32 N83-27085

Particle analyzing method and apparatus [NASA-CASE-NPO-15292-1] c 35 N83-27184

Carbon granule probe microphone for leak detection [NASA-CASE-NPO-16027-1] c 33 N83-29595

Production of butanol by fermentation in the presence of co-culture of clostridium [NASA-CASE-NPO-16203-1] c 44 N83-29806

X-ray imaging mirror system and method of producing the same [NASA-CASE-NPO-15828-1] c 74 N83-30222

Method for growing low defect, high purity crystalline layers [NASA-CASE-NPO-15813-1] c 76 N83-30269

Hydrodesulfurization of chlorinated coal [NASA-CASE-NPO-15304-1] c 25 N83-31743

Method and apparatus for producing gas-filled hollow spheres [NASA-CASE-NPO-14596-3] c 31 N83-31896

Cycling Joule Thomson refrigerator [NASA-CASE-NPO-15251-1] c 31 N83-31897

Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths [NASA-CASE-NPO-14525-2] c 32 N83-31918

Method and device for detection of a substance [NASA-CASE-NPO-14940-1] c 33 N83-31954

System for monitoring physical characteristics of fluids [NASA-CASE-NPO-15400-1] c 34 N83-31993

Cloud cover sensor [NASA-CASE-NPO-14936-1] c 47 N83-32232

Distributed multipoint memory architecture [NASA-CASE-NPO-15342-1] c 60 N83-32342

Acoustic system for material transport [NASA-CASE-NPO-15453-1] c 71 N83-32515

System for controlled acoustic rotation of objects [NASA-CASE-NPO-15522-1] c 71 N83-32516

Portable laser remote system for methane gas detection [NASA-CASE-NPO-15790-1] c 36 N83-33137

Mixed polyvalent-monovalent metal coating for carbon-graphite fibers [NASA-CASE-NPO-14987-1] c 24 N83-33950

Antenna grout replacement system [NASA-CASE-NPO-15202-1] c 27 N83-34043

Sphere forming method and apparatus [NASA-CASE-NPO-15070-1] c 31 N83-35176

Resonant isolator for maser amplifier [NASA-CASE-NPO-15201-1] c 36 N83-35350

Acoustic bubble removal method [NASA-CASE-NPO-15334-1] c 71 N83-35781

Method of increasing minority carrier lifetime in silicon web or the like [NASA-CASE-NPO-15530-1] c 76 N83-35888

Tower evaporator [NASA-CASE-NPO-15609-1] c 25 N83-36119

Fluidized bed coal liquefaction [NASA-CASE-NPO-15891-1] c 25 N83-36120

Fluidized bed liquefaction of biomass [NASA-CASE-NPO-15907-1] c 25 N83-36121

Fluidized bed desulfurization [NASA-CASE-NPO-15924-1] c 25 N83-36122

Rotary stepping device with memory metal actuator [NASA-CASE-NPO-15482-1] c 37 N83-36484

Memory metal actuator [NASA-CASE-NPO-15960-1] c 37 N83-36485

Acoustic suspension system [NASA-CASE-NPO-15435-1] c 71 N83-36846

High temperature acoustic levitator [NASA-CASE-NPO-16022-1] c 71 N83-36847

K

Kelsey-Hayes Co., Romulus, Mich.

Variable thrust ion engine utilizing thermally decomposable solid fuel Patent [NASA-CASE-XMF-00923] c 28 N70-36802

Keltec Industries, Inc., Alexandria, Va.

Unfurlable structure including coiled strips thrust launched upon tension release Patent [NASA-CASE-HQN-00937] c 07 N71-28979

Kentucky Univ., Lexington.

Apparatus for determining changes in limb volume [NASA-CASE-MSC-18759-1] c 52 N83-27578

Kinologic Corp., Pasadena, Calif.

Excitation and detection circuitry for a flux responsive magnetic head [NASA-CASE-XNP-04183] c 09 N69-24329

Tape guidance system and apparatus for the provision thereof Patent [NASA-CASE-XNP-09453] c 08 N71-19420

Incremental tape recorder and data rate converter Patent [NASA-CASE-XNP-02778] c 08 N71-22710

Kollman Instrument Corp., Elmhurst, N. Y.

Wide angle long eye relief eyepiece Patent [NASA-CASE-XMS-06056-1] c 23 N71-24857

Kollman Instrument Corp., Syosset, N. Y.

Digital modulator and demodulator Patent [NASA-CASE-ERC-10041] c 08 N71-29138

Ritchey-Chretien Telescope

[NASA-CASE-GSC-11487-1] c 14 N73-30393

Konigsberg Instruments, Inc., Pasadena, Calif.

Accelerometer telemetry system [NASA-CASE-ARC-10849-1] c 17 N76-29347

Korad Corp., New York.

Laser apparatus for removing material from rotating objects Patent [NASA-CASE-MFS-11279] c 16 N71-20400

L

Life Systems, Inc., Beachwood, Ohio.

Iodine generator for reclaimed water purification [NASA-CASE-MSC-14632-1] c 54 N78-14784

Ling-Temco-Vought, Inc., Dallas, Tex.

Latch/ejector unit Patent [NASA-CASE-XLA-03538] c 15 N71-24897

Little (Arthur D.), Inc., Cambridge, Mass.

Apparatus for measuring thermal conductivity Patent [NASA-CASE-XGS-01052] c 14 N71-15992

Non-flammable elastomeric fiber from a fluorinated elastomer and containing an halogenated flame retardant [NASA-CASE-MSC-14331-1] c 27 N76-24405

Flame retardant spandex type polyurethanes [NASA-CASE-MSC-14331-2] c 27 N78-17213

Process for spinning flame retardant elastomeric compositions [NASA-CASE-MSC-14331-3] c 27 N78-32262

Heat sealable, flame and abrasion resistant coated fabric [NASA-CASE-MSC-18382-1] c 27 N82-16238

Heat sealable, flame and abrasion resistant coated fabric [NASA-CASE-MSC-18382-2] c 27 N82-24344

Heat resistant protective hand covering [NASA-CASE-MSC-20261-1] c 54 N82-32985

Heat resistant protective hand covering [NASA-CASE-MSC-20261-2] c 54 N82-32986

Litton Industries, Beverly Hills, Calif.

Life support system [NASA-CASE-MSC-12411-1] c 05 N72-20096

Litton Industries, College Park, Md.

Shrink-fit gas valve Patent [NASA-CASE-XGS-00587] c 15 N70-35087

Litton Industries, San Carlos, Calif.

Very high intensity light source using a cathode ray tube [NASA-CASE-XNP-01296] c 33 N75-27250

Litton Systems, Inc., Minneapolis, Minn.

Apparatus for sampling particulates in gases [NASA-CASE-HQN-10037-1] c 14 N73-27376

Lockheed Aircraft Corp., Burbank, Calif.

Aerodynamic protection for space flight vehicles Patent [NASA-CASE-XNP-02507] c 31 N71-17679

Lockheed-California Co., Burbank.

Absorptive splitter for closely spaced supersonic engine air inlets Patent [NASA-CASE-XLA-02865] c 28 N71-15563

Lockheed Electronics Co., Houston, Tex.

Television signal scan rate conversion system Patent [NASA-CASE-XMS-07168] c 07 N71-11300

Burst synchronization detection system Patent [NASA-CASE-XMS-05605-1] c 10 N71-19468

Automatic signal range selector for metering devices Patent [NASA-CASE-XMS-06497] c 14 N71-26244

Monostable multivibrator with complementary NOR gates Patent [NASA-CASE-MSC-13492-1] c 10 N71-28860

Ultraprecise calibrated light source [NASA-CASE-MSC-12293-1] c 14 N72-27411

Data storage, image tube type [NASA-CASE-MSC-14053-1] c 60 N74-12888

Differential phase shift keyed communication system [NASA-CASE-MSC-14065-1] c 32 N74-26654

Differential phase shift keyed signal resolver [NASA-CASE-MSC-14066-1] c 33 N74-27705

Method and apparatus for decoding compatible convolutional codes [NASA-CASE-MSC-14070-1] c 32 N74-32598

Pulse stretcher for narrow pulses [NASA-CASE-MSC-14130-1] c 33 N74-32711

Peak holding circuit for extremely narrow pulses [NASA-CASE-MSC-14129-1] c 33 N75-18479

Random pulse generator [NASA-CASE-MSC-14131-1] c 33 N75-19515

Digital transmitter for data bus communications system [NASA-CASE-MSC-14558-1] c 32 N75-21486

Low distortion receiver for bi-level baseband PCM waveforms [NASA-CASE-MSC-14557-1] c 32 N76-16249

System for producing chroma signals [NASA-CASE-MSC-14683-1] c 74 N77-18893

Phased array antenna control
[NASA-CASE-MSC-14939-1] c 32 N79-11264

Apparatus and method for stabilized phase detection for binary signal tracking loops
[NASA-CASE-MSC-16461-1] c 33 N79-11313

Multiple band circularly polarized microstrip antenna
[NASA-CASE-MSC-18334-1] c 32 N80-32604

Multispectral scanner optical system
[NASA-CASE-MSC-18255-1] c 74 N80-33210

Random digital encryption secure communication system
[NASA-CASE-MSC-16462-1] c 32 N82-31583

Lockheed Missiles and Space Co., Sunnyvale, Calif.

Device for handling heavy loads
[NASA-CASE-XNP-04969] c 11 N69-27466

Transient heat transfer gauge Patent
[NASA-CASE-XNP-09802] c 33 N71-15641

Dual solid cryogenics for spacecraft refrigeration Patent
[NASA-CASE-GSC-10188-1] c 23 N71-24725

Apparatus for detecting the amount of material in a resonant cavity container Patent
[NASA-CASE-XNP-02500] c 18 N71-27397

Emergency earth orbital escape device
[NASA-CASE-MSC-13281] c 31 N72-18859

Solar energy powered heliotrope
[NASA-CASE-GSC-10945-1] c 21 N72-31637

Coaxial inverted geometry transistor having buried emitter
[NASA-CASE-ARC-10330-1] c 09 N73-32112

Whole body measurement systems
[NASA-CASE-MSC-13972-1] c 52 N74-10975

Four phase logic systems
[NASA-CASE-MSC-14240-1] c 33 N75-14957

Strain arrestor plate for fused silica tile
[NASA-CASE-MSC-14182-1] c 27 N76-14264

Medical subject monitoring systems
[NASA-CASE-MSC-14180-1] c 52 N76-14757

Two-component ceramic coating for silica insulation
[NASA-CASE-MSC-14270-1] c 27 N76-22377

Optical alignment device
[NASA-CASE-ARC-10932-1] c 74 N76-22993

Three-component ceramic coating for silica insulation
[NASA-CASE-MSC-14270-2] c 27 N76-23426

Process of forming catalytic surfaces for wet oxidation reactions
[NASA-CASE-MSC-14831-1] c 25 N78-10225

Partial polarizer filter
[NASA-CASE-GSC-12225-1] c 74 N79-14891

Method of fabricating a photovoltaic module of a substantially transparent construction
[NASA-CASE-NPO-14303-1] c 44 N80-18550

Lockheed Propulsion Co., Redlands, Calif.

Propellant grain for rocket motors Patent
[NASA-CASE-XGS-03556] c 27 N70-35534

LTV Aerospace Corp., Dallas, Tex.

Method of fluxless brazing and diffusion bonding of aluminum containing components
[NASA-CASE-MSC-14435-1] c 37 N76-18455

LTV Aerospace Corp., Hampton, Va.

Explosively activated egress area
[NASA-CASE-LAR-12624-1] c 01 N83-35992

M

Macon-Rust Co., Lexington, Ky.

Stretcher Patent
[NASA-CASE-XMF-06589] c 05 N71-23159

Marlin-Rockwell Corp., Jamestown, N. Y.

Drilled ball bearing with a one piece anti-tipping cage assembly
[NASA-CASE-LEW-11925-1] c 37 N75-31446

Marquardt Corp., Van Nuys, Calif.

Fuel injection pump for internal combustion engines Patent
[NASA-CASE-MSC-12139-1] c 28 N71-14058

Multislot film cooled pyrolytic graphite rocket nozzle Patent
[NASA-CASE-XNP-04389] c 28 N71-20942

Tube sealing device Patent
[NASA-CASE-NPO-10431] c 15 N71-29132

Martin Marietta Aerospace, Denver, Colo.

Method and apparatus for tensile testing of metal foil
[NASA-CASE-LAR-10208-1] c 35 N76-18400

Pulse transducer with artifact signal attenuator
[NASA-CASE-FRC-11012-1] c 52 N80-23969

Urne collection apparatus
[NASA-CASE-MSC-18381-1] c 52 N81-28740

Martin Marietta Corp., Baltimore, Md.

Landing gear Patent
[NASA-CASE-XMF-01174] c 02 N70-41589

Emergency escape system Patent
[NASA-CASE-XKS-02342] c 05 N71-11199

Martin Marietta Corp., Denver, Colo.

Flexible/rigidifiable cable assembly
[NASA-CASE-MSC-13512-1] c 15 N72-22485

Derivation of a tangent function using an integrated circuit four-quadrant multiplier
[NASA-CASE-MSC-13907-1] c 10 N73-26230

Low distortion automatic phase control circuit
[NASA-CASE-MFS-21671-1] c 33 N74-22885

Variable ratio mixed-mode bilateral master-slave control system for shuttle remote manipulator system
[NASA-CASE-MSC-14245-1] c 18 N75-27041

Filter regeneration systems
[NASA-CASE-MSC-14273-1] c 34 N75-33342

Turnstile and flared cone UHF antenna
[NASA-CASE-LAR-10970-1] c 33 N76-14372

Method and apparatus for fluffing, separating, and cleaning fibers
[NASA-CASE-LAR-11224-1] c 37 N76-18456

Hearing aid malfunction detection system
[NASA-CASE-MSC-14916-1] c 33 N78-10375

Urne collection device
[NASA-CASE-MSC-16433-1] c 52 N78-27750

Positive isolation disconnect
[NASA-CASE-MSC-16043-1] c 37 N79-11402

Urne collection device
[NASA-CASE-MSC-16433-1] c 52 N81-24711

Thermal protection system
[NASA-CASE-MSC-18796-1] c 24 N82-26389

Maryland Univ., College Park.

Method and apparatus for optical modulating a light signal Patent
[NASA-CASE-GSC-10216-1] c 23 N71-26722

Massachusetts Inst. of Tech., Cambridge.

Pretreatment method for anti-wettable materials
[NASA-CASE-XMS-03537] c 15 N69-21471

Hydraulic drive mechanism Patent
[NASA-CASE-XMS-03252] c 15 N71-10658

Electronic amplifier with power supply switching Patent
[NASA-CASE-XMS-00945] c 09 N71-10798

Method and apparatus for stabilizing a gaseous optical maser Patent
[NASA-CASE-XGS-03644] c 16 N71-18614

Power supply Patent
[NASA-CASE-XMS-02159] c 10 N71-22961

Optical frequency waveguide Patent
[NASA-CASE-HQN-10541-1] c 07 N71-26291

Laser machining apparatus Patent
[NASA-CASE-HQN-10541-2] c 15 N71-27135

Optical frequency waveguide and transmission system Patent
[NASA-CASE-HQN-10541-4] c 16 N71-27183

Compact spectroradiometer
[NASA-CASE-HQN-10683] c 14 N71-34389

Optical frequency waveguide and transmission system
[NASA-CASE-HQN-10541-3] c 23 N72-23695

Display research collision warning system
[NASA-CASE-HQN-10703] c 21 N73-13643

Transparent switchboard
[NASA-CASE-MSC-13746-1] c 10 N73-32143

Vapor deposition apparatus
[NASA-CASE-HQN-10462] c 25 N75-29192

Fault tolerant clock apparatus utilizing a controlled minority of clock elements
[NASA-CASE-MSC-12531-1] c 35 N75-30504

MB Associates, San Ramon, Calif.

Hypervelocity gun
[NASA-CASE-XLE-03186-1] c 09 N79-21084

McDonnell Aircraft Co., St. Louis, Mo.

Method for making a heat insulating and ablative structure
[NASA-CASE-XMS-01108] c 15 N69-24322

Heat flux sensor assembly
[NASA-CASE-XMS-05909-1] c 14 N69-27459

Apparatus for purging systems handling toxic, corrosive, noxious and other fluids Patent
[NASA-CASE-XMS-01905] c 12 N71-21089

Power supply circuit Patent
[NASA-CASE-XMS-00913] c 10 N71-23543

Multiple circuit protector device
[NASA-CASE-XMS-02744] c 33 N75-27249

Apparatus for welding sheet material
[NASA-CASE-XMS-01330] c 37 N75-27376

Fused switch
[NASA-CASE-XMS-01244-1] c 33 N79-33393

Cooling system for high speed aircraft
[NASA-CASE-LAR-12406-1] c 05 N81-26114

McDonnell-Douglas Astronautics Co., Huntington Beach, Calif.

Heat transfer device
[NASA-CASE-MFS-22938-1] c 34 N76-18374

McDonnell-Douglas Astronautics Co., Santa Monica, Calif.

New polymers of perfluorobutadiene and method of manufacture Patent application
[NASA-CASE-NPO-10863] c 06 N70-11251

Method of polymerizing perfluorobutadiene Patent application
[NASA-CASE-NPO-10447] c 06 N70-11252

McDonnell-Douglas Astronautics Co., St. Louis, Mo.

Passive propellant system
[NASA-CASE-MFS-23642-2] c 20 N78-27176

McDonnell-Douglas Corp., Huntington Beach, Calif.

Variable direction force coupler
[NASA-CASE-MFS-20317] c 15 N73-13463

Potable water dispenser
[NASA-CASE-MFS-21115-1] c 54 N74-12779

Metering gun for dispensing precisely measured charges of fluid
[NASA-CASE-MFS-21163-1] c 54 N74-17853

Airlock
[NASA-CASE-MFS-20922-1] c 18 N74-22136

Device for monitoring a change in mass in varying gravimetric environments
[NASA-CASE-MFS-21556-1] c 35 N74-26945

Thrust-isolating mounting
[NASA-CASE-MFS-21680-1] c 18 N74-27397

Device for measuring tensile forces
[NASA-CASE-MFS-21728-1] c 35 N74-27865

Flame detector operable in presence of proton radiation
[NASA-CASE-MFS-21577-1] c 19 N74-29410

Phase-locked servo system
[NASA-CASE-MFS-22073-1] c 33 N75-13139

Vacuum leak detector
[NASA-CASE-LAR-11237-1] c 35 N75-19612

Meter for use in detecting tension in straps having predetermined elastic characteristics
[NASA-CASE-MFS-22189-1] c 35 N75-19615

Latching device
[NASA-CASE-MFS-21606-1] c 37 N75-19685

Device for use in loading tension members
[NASA-CASE-MFS-21488-1] c 14 N75-24794

McDonnell-Douglas Corp., Newport Beach, Calif.

Method of making membranes
[NASA-CASE-XNP-04264] c 03 N69-21337

McDonnell-Douglas Corp., Santa Monica, Calif.

Rocket nozzle test method Patent
[NASA-CASE-NPO-10311] c 31 N71-15643

Reaction of fluorine with polyperfluoropolyenes
[NASA-CASE-NPO-10862] c 06 N72-22107

Polymers of perfluorobutadiene and method of manufacture
[NASA-CASE-NPO-10863-2] c 06 N72-25152

Electrolytic cell structure
[NASA-CASE-LAR-11042-1] c 33 N75-27252

Prevention of hydrogen embrittlement of high strength steel by hydrazine compositions
[NASA-CASE-NPO-12122-1] c 24 N76-14203

Utilization of oxygen difluoride for syntheses of fluoropolymers
[NASA-CASE-NPO-12061-1] c 27 N76-16228

McDonnell-Douglas Corp., St. Louis, Mo.

Thermally conductive polymers
[NASA-CASE-GSC-11304-1] c 06 N72-21105

Passive propellant system
[NASA-CASE-MFS-23642-1] c 20 N80-10278

Method of preparing radially homogeneous mercury cadmium telluride crystals
[NASA-CASE-MFS-25788-1] c 76 N83-18533

Medical Sciences Research Foundation, San Francisco, Calif.

Reduction of blood serum cholesterol
[NASA-CASE-NPO-12119-1] c 52 N75-15270

Mellon Inst., Pittsburgh, Pa.

Instrument for measuring torsional creep and recovery Patent
[NASA-CASE-XLE-01481] c 14 N71-10781

Melpar, Inc., Falls Church, Va.

Television simulation for aircraft and space flight Patent
[NASA-CASE-XFR-03107] c 09 N71-19449

Compact solar still Patent
[NASA-CASE-XMS-04533] c 15 N71-23086

Metcom, Inc., Salem, Mass.

Tuning arrangement for an electron discharge device or the like Patent
[NASA-CASE-NPO-09771] c 09 N71-24841

Methodist Hospital, Houston, Tex.

Snap-in compressible biomedical electrode
[NASA-CASE-MSC-14623-1] c 52 N77-28717

Microwave Electronics Corp., Palo Alto, Calif.

Folded traveling wave maser structure Patent
[NASA-CASE-XNP-05219] c 16 N71-15550

Superconducting magnet Patent
[NASA-CASE-XNP-06503] c 23 N71-29049

Microwave Research Corp., North Andover, Mass.

Highly efficient antenna system using a corrugated horn and scanning hyperbolic reflector
[NASA-CASE-NPO-13568-1] c 32 N76-21365

Multifrequency broadband polarized horn antenna
[NASA-CASE-NPO-14588-1] c 32 N81-25278

Midwest Research Inst., Kansas City, Mo.

- Preparation of ordered polyarylenesiloxane/polymers
[NASA-CASE-XMF-10753] c 06 N71-11237
- Inorganic solid film lubricants Patent
[NASA-CASE-XMF-03988] c 15 N71-21403
- Fluorinated esters of polycarboxylic acids
[NASA-CASE-MFS-21040-1] c 06 N73-30098
- Milliken (D. B.) Co., Arcadia, Calif.**
Film feed camera having a detent means Patent
[NASA-CASE-LAR-10686] c 14 N71-28935
- Minneapolis-Honeywell Regulator Co., Minn.**
Microelectronic module package Patent
[NASA-CASE-XMS-02182] c 10 N71-28783
- Mississippi Methodist Rehabilitation Center, Jackson.**
Universal connectors for joining strings
[NASA-CASE-LAR-12744-1] c 37 N81-31551
- Modern Machine and Tool Co., Newport News, Va.**
Means for accommodating large overstrain in lead wires
[NASA-CASE-LAR-10168-1] c 33 N74-22865
- Monsanto Co., St. Louis, Mo.**
Method for the preparation of inorganic single crystal and polycrystalline electronic materials
[NASA-CASE-XLE-02545-1] c 78 N79-21910
- Monsanto Research Corp., Dayton, Ohio.**
Perfluoro alkylene dioxy-bis-(4-phthalic anhydrides and oxy-bis-(perfluoroalkyleneoxyphthalic anhydrides
[NASA-CASE-MFS-22356-1] c 23 N75-30256
- Polyimides of ether-linked aryl tetracarboxylic dianhydrides
[NASA-CASE-MFS-22355-1] c 23 N76-15268
- Motorola, Inc., Phoenix, Ariz.**
Automatic frequency discriminators and control for a phase-lock loop providing frequency preset capabilities Patent
[NASA-CASE-XMF-08665] c 10 N71-19467
- Method of purifying metallurgical grade silicon employing reduced pressure atmospheric control
[NASA-CASE-NPO-14474-1] c 26 N80-14229
- Quartz ball valve
[NASA-CASE-NPO-14473-1] c 37 N80-23654
- Method and apparatus for quadrupole-shift-key and linear phase modulation
[NASA-CASE-NPO-14444-1] c 33 N81-15192
- PN lock indicator for dithered PN code tracking loop
[NASA-CASE-NPO-14435-1] c 33 N81-33405
- Motorola, Inc., Scottsdale, Ariz.**
Sealed cabinet Patent
[NASA-CASE-MSC-12168-1] c 09 N71-18600
- Digital frequency discriminator Patent
[NASA-CASE-MFS-14322] c 08 N71-18692
- Phase modulator Patent
[NASA-CASE-MSC-13201-1] c 07 N71-28429
- Capacitance multiplier and filter synthesizing network
[NASA-CASE-NPO-11948-1] c 33 N74-32712
- Quadrature demodulation
[NASA-CASE-GSC-12137-1] c 33 N78-32338
- Discriminator aided phase lock acquisition for suppressed carrier signals
[NASA-CASE-NPO-14311-1] c 33 N82-29539

N

Narco Scientific, Houston, Tex.

- Dual physiological rate measurement instrument
[NASA-CASE-MSC-20078-1] c 52 N82-32971

National Academy of Sciences - National Research Council, Washington, D. C.

- Gyrator employing field effect transistors
[NASA-CASE-MFS-21433] c 09 N73-20232
- Suppression of flutter
[NASA-CASE-LAR-10682-1] c 02 N73-26004
- Optical data processing using paraboloidal mirror segments
[NASA-CASE-GSC-11296-1] c 23 N73-30666
- Power supply for carbon dioxide lasers
[NASA-CASE-GSC-11222-1] c 16 N73-32391
- High field CdS detector for infrared radiation
[NASA-CASE-LAR-11027-1] c 35 N74-18088
- Holography utilizing surface plasmon resonances
[NASA-CASE-MFS-22040-1] c 35 N74-26946
- Stagnation pressure probe
[NASA-CASE-LAR-11139-1] c 35 N74-32878
- Integrated P-channel MOS gyrator
[NASA-CASE-MFS-22343-1] c 33 N74-34638
- Automated analysis of oxidative metabolites
[NASA-CASE-ARC-10469-1] c 25 N75-12086
- Method of preparing water purification membranes
[NASA-CASE-ARC-10643-1] c 25 N75-12087
- Method of forming aperture plate for electron microscope
[NASA-CASE-ARC-10448-2] c 74 N75-12732
- Dually mode locked Nd YAG laser
[NASA-CASE-GSC-11746-1] c 36 N75-19654

- Anti-gravity device
[NASA-CASE-MFS-22758-1] c 70 N75-26789
- Impact position detector for outer space particles
[NASA-CASE-GSC-11829-1] c 35 N75-27331
- Integrable power gyrator
[NASA-CASE-MFS-22342-1] c 33 N75-30428
- Two stage light gas-plasma projectile accelerator
[NASA-CASE-MFS-22287-1] c 75 N76-14931
- Micrometeoroid velocity and trajectory analyzer
[NASA-CASE-GSC-11892-1] c 35 N76-15433
- Moving particle composition analyzer
[NASA-CASE-GSC-11889-1] c 35 N76-16393
- Self-energized plasma compressor
[NASA-CASE-MFS-22145-2] c 75 N76-17951
- Readout electrode assembly for measuring biological impedance
[NASA-CASE-ARC-10816-1] c 35 N76-24525
- Electron microscope aperture system
[NASA-CASE-ARC-10448-3] c 35 N77-14408
- Method for making a hot wire anemometer and product thereof
[NASA-CASE-ARC-10900-1] c 35 N77-24454
- Length controlled stabilized mode-locked Nd:YAG laser
[NASA-CASE-GSC-11571-1] c 38 N77-25499
- Method of growing composites of the type exhibiting the Soret effect
[NASA-CASE-MFS-22926-1] c 24 N77-27187
- Method and apparatus for splitting a beam of energy
[NASA-CASE-GSC-12083-1] c 73 N78-32848
- Cantilever mounted resilient pad gas bearing
[NASA-CASE-LEW-12569-1] c 37 N79-10418
- Shock isolator for operating a diode laser on a closed-cycle refrigerator
[NASA-CASE-GSC-12297-1] c 37 N79-28549
- An improved synthesis of 2,4,8,10-tetroxaspiro (5,5) undecane
[NASA-CASE-ARC-11243-2] c 23 N80-31472
- Pocket ECG electrode
[NASA-CASE-ARC-11258-1] c 52 N80-33081
- Subcutaneous electrode structure
[NASA-CASE-ARC-11117-1] c 52 N81-14612
- Microwave integrated circuit for Josephson voltage standards
[NASA-CASE-MFS-23845-1] c 33 N81-17348
- Autonomous navigation system
[NASA-CASE-ARC-11257-1] c 04 N81-21047
- Phosphorus-containing bisimide resins
[NASA-CASE-ARC-11321-1] c 27 N81-27272
- Synthesis of polyformals
[NASA-CASE-ARC-11244-1] c 23 N82-16174
- Nickel ternary alloy having improved cyclic oxidation resistance
[NASA-CASE-LEW-13339-1] c 26 N82-31505
- Massively parallel processor computer
[NASA-CASE-GSC-12223-1] c 60 N83-25378
- Non-invasive method and apparatus for measuring pressure within a pliable vessel
[NASA-CASE-ARC-11264-2] c 52 N83-29991
- National Aeronautics and Space Administration, Washington, D. C.**
Optical spin compensator
[NASA-CASE-XGS-02401] c 14 N69-27485
- Waveguide mixer
[NASA-CASE-ERC-10179] c 07 N72-20141
- Semiconductor-ferroelectric memory device
[NASA-CASE-ERC-10307] c 08 N72-21198
- Shielded cathode mode bulk effect devices
[NASA-CASE-ERC-10119] c 26 N72-21701
- Fabrication of single crystal film semiconductor devices
[NASA-CASE-ERC-10222] c 09 N72-22199
- Two color horizon sensor
[NASA-CASE-ERC-10174] c 14 N72-25409
- Ultraviolet atomic emission detector
[NASA-CASE-HQN-10756-1] c 14 N72-25428
- Optical pump and driver system for lasers
[NASA-CASE-ERC-10283] c 16 N72-25485
- Clear air turbulence detector
[NASA-CASE-ERC-10081] c 14 N72-28437
- Head-up attitude display
[NASA-CASE-ERC-10392] c 21 N73-14692
- System for indicating direction of intruder aircraft
[NASA-CASE-ERC-10226-1] c 14 N73-16483
- Aircraft control system
[NASA-CASE-ERC-10439] c 02 N73-19004
- Display system
[NASA-CASE-ERC-10350] c 14 N73-20474
- Method and apparatus for measuring solar activity and atmospheric radiation effects
[NASA-CASE-ERC-10276] c 14 N73-26432
- Doppler shift system
[NASA-CASE-HQN-10740-1] c 72 N74-19310
- Auditory display for the blind
[NASA-CASE-HQN-10832-1] c 71 N74-21014
- Laser system with an antiresonant optical ring
[NASA-CASE-HQN-10844-1] c 36 N75-19653

- Physical correction filter for improving the optical quality of an image
[NASA-CASE-HQN-10542-1] c 74 N75-25706
- Folding structure fabricated of rigid panels
[NASA-CASE-XHQ-02146] c 18 N75-27040
- Traveling wave solid state amplifier utilizing a semiconductor with negative differential mobility
[NASA-CASE-HQN-10069] c 33 N75-27251
- Vapor deposition apparatus
[NASA-CASE-HQN-10462] c 25 N75-29192
- Resistive anode image converter
[NASA-CASE-HQN-10876-1] c 33 N76-27473
- Rechargeable battery which combats shape change of the zinc anode
[NASA-CASE-HQN-10862-1] c 44 N76-29699
- System and method for tracking a signal source
[NASA-CASE-HQN-10880-1] c 17 N78-17140
- Non-equilibrium radiation nuclear reactor
[NASA-CASE-HQN-10841-1] c 73 N78-19920
- Cooling system for removing metabolic heat from an hermetically sealed spacesuit
[NASA-CASE-ARC-11059-1] c 54 N78-32721
- Safety flywheel
[NASA-CASE-HQN-10888-1] c 44 N79-14527
- Flow diverter valve and flow diversion method
[NASA-CASE-HQN-00573-1] c 37 N79-33468
- Glass compositions with a high modulus of elasticity
[NASA-CASE-HQN-10274-1] c 27 N82-29451
- High modulus invert analog glass compositions containing beryllia
[NASA-CASE-HQN-10931-2] c 27 N82-29452
- Non-toxic invert analog glass compositions of high modulus
[NASA-CASE-HQN-10328-2] c 27 N82-29454
- High modulus rare earth and beryllium containing silicate glass compositions
[NASA-CASE-HQN-10595-1] c 27 N82-29455
- National Aeronautics and Space Administration, Ames Research Center, Moffett Field, Calif.**
Nonmagnetic thermal motor for a magnetometer
[NASA-CASE-XAC-03786] c 09 N69-21313
- Balanced bellows spirometer
[NASA-CASE-XAC-01547] c 05 N69-21473
- Cryogenic apparatus for measuring the intensity of magnetic fields
[NASA-CASE-XAC-02407] c 14 N69-27423
- Variable stiffness polymers damper
[NASA-CASE-XAC-11225] c 14 N69-27486
- Shock-layer radiation measurement
[NASA-CASE-XAC-02970] c 14 N69-39896
- Protective circuit of the spark gap type
[NASA-CASE-XAC-08981] c 09 N69-39897
- Apparatus for coupling a plurality of ungrounded circuits to a grounded circuit Patent
[NASA-CASE-XAC-00086] c 09 N70-33182
- Two-plane balance Patent
[NASA-CASE-XAC-00073] c 14 N70-34813
- Centrifuge mounted motion simulator Patent
[NASA-CASE-XAC-00399] c 11 N70-34815
- Differential pressure cell Patent
[NASA-CASE-XAC-00042] c 14 N70-34816
- High-temperature, high-pressure spherical segment valve Patent
[NASA-CASE-XAC-00074] c 15 N70-34817
- Magnetically centered liquid column float Patent
[NASA-CASE-XAC-00030] c 14 N70-34820
- Propeller blade loading control Patent
[NASA-CASE-XAC-00139] c 02 N70-34856
- Temperature compensated solid state differential amplifier Patent
[NASA-CASE-XAC-00435] c 09 N70-35440
- High speed low level electrical stepping switch Patent
[NASA-CASE-XAC-00060] c 09 N70-39915
- Analog-to-digital conversion system Patent
[NASA-CASE-XAC-00404] c 08 N70-40125
- Null-type vacuum microbalance Patent
[NASA-CASE-XAC-00472] c 15 N70-40180
- Thermo-protective device for balances Patent
[NASA-CASE-XAC-00648] c 14 N70-40400
- Three-axis controller Patent
[NASA-CASE-XAC-01404] c 05 N70-41581
- Electric arc device for heating gases Patent
[NASA-CASE-XAC-00319] c 25 N70-41628
- Dynamic sensor Patent
[NASA-CASE-XAC-02877] c 14 N70-41681
- Universal pilot restraint suit and body support therefor Patent
[NASA-CASE-XAC-00405] c 05 N70-41819
- Proportional controller Patent
[NASA-CASE-XAC-03392] c 03 N70-41954
- Force transducer Patent
[NASA-CASE-XAC-01101] c 14 N70-41957
- Electrode construction Patent
[NASA-CASE-ARC-10043-1] c 05 N71-11193

Telemeter adaptable for implanting in an animal Patent [NASA-CASE-XAC-05706]	c 05	N71-12342	Laser fluid velocity detector Patent [NASA-CASE-XAC-10770-1]	c 16	N71-24828	Intumescent composition, foamed product prepared therewith, and process for making same [NASA-CASE-ARC-10304-1]	c 18	N73-26572
Gyrator type circuit Patent [NASA-CASE-XAC-10608-1]	c 09	N71-12517	Transient video signal recording with expanded playback Patent [NASA-CASE-ARC-10003-1]	c 09	N71-25866	Infrared tunable laser [NASA-CASE-ARC-10463-1]	c 09	N73-32111
Ultraviolet resonance lamp Patent [NASA-CASE-ARC-10030]	c 09	N71-12521	Thermally cycled magnetometer Patent [NASA-CASE-XAC-03740]	c 14	N71-26135	Low power electromagnetic flowmeter providing accurate zero set [NASA-CASE-ARC-10362-1]	c 14	N73-32326
Differential temperature transducer Patent [NASA-CASE-XAC-00812]	c 14	N71-15598	Optical machine tool alignment indicator Patent [NASA-CASE-XAC-09489-1]	c 15	N71-26673	Hand-held photomicroscope [NASA-CASE-ARC-10468-1]	c 14	N73-33361
Multiple circuit switch apparatus with improved pivot actuator structure Patent [NASA-CASE-XAC-03777]	c 10	N71-15909	Energy limiter for hydraulic actuators Patent [NASA-CASE-ARC-10131-1]	c 15	N71-27754	Alignment apparatus using a laser having a gravitationally sensitive cavity reflector [NASA-CASE-ARC-10444-1]	c 16	N73-33397
Method of planetary atmospheric investigation using a split-trajectory dual flyby mode Patent [NASA-CASE-XAC-08494]	c 30	N71-15990	Multivibrator circuit with means to prevent false triggering from supply voltage fluctuations Patent [NASA-CASE-ARC-10137-1]	c 09	N71-28468	Polyimide foam for the thermal insulation and fire protection [NASA-CASE-ARC-10464-1]	c 27	N74-12812
High efficiency multivibrator Patent [NASA-CASE-XAC-00942]	c 10	N71-16042	Locomotion and restraint aid Patent [NASA-CASE-ARC-10153]	c 05	N71-28619	Flexible fire retardant polyisocyanate modified neoprene foam [NASA-CASE-ARC-10180-1]	c 27	N74-12814
Apparatus for measuring conductivity and velocity of plasma utilizing a plurality of sensing coils positioned in the plasma Patent [NASA-CASE-XAC-05695]	c 25	N71-16073	Line following servosystem Patent [NASA-CASE-XAC-00001]	c 15	N71-28952	Heater-mixer for stored fluids [NASA-CASE-ARC-10442-1]	c 35	N74-15093
Flight craft Patent [NASA-CASE-XAC-02058]	c 02	N71-16087	Mechanically limited, electrically operated hydraulic valve system for aircraft controls Patent [NASA-CASE-XAC-00048]	c 02	N71-29128	Bimetallic fluid displacement apparatus [NASA-CASE-ARC-10441-1]	c 35	N74-15126
Three-axis finger tip controller for switches Patent [NASA-CASE-XAC-02405]	c 09	N71-16089	Precision rectifier with FET switching means Patent [NASA-CASE-ARC-10101-1]	c 09	N71-33109	Automatic real-time pair-feeding system for animals [NASA-CASE-ARC-10302-1]	c 51	N74-15778
Electrostatic charged particle analyzer having deflection members shaped according to the periodic voltage applied thereto Patent [NASA-CASE-XAC-05506-1]	c 24	N71-16095	Solar cell Patent [NASA-CASE-ARC-10050]	c 03	N71-33409	Overvoltage protection network [NASA-CASE-ARC-10197-1]	c 33	N74-17929
Inertial reference apparatus Patent [NASA-CASE-XAC-03107]	c 23	N71-16098	Phase shift circuit apparatus [NASA-CASE-ARC-10269-1]	c 10	N72-16172	Ultrasonic biomedical measuring and recording apparatus [NASA-CASE-ARC-10597-1]	c 52	N74-20726
Fastener apparatus Patent [NASA-CASE-ARC-10140-1]	c 15	N71-17653	High intensity radiant energy pulse source having means for opening shutter when light flux has reached a desired level [NASA-CASE-ARC-10178-1]	c 09	N72-17152	Ultraviolet and thermally stable polymer compositions [NASA-CASE-ARC-10592-1]	c 27	N74-21156
Stabilization of gravity oriented satellites Patent [NASA-CASE-XAC-01591]	c 31	N71-17729	Telemetry actuated switch [NASA-CASE-ARC-10105]	c 09	N72-17153	High speed shutter [NASA-CASE-ARC-10516-1]	c 70	N74-21300
Microwave flaw detector Patent [NASA-CASE-ARC-10009-1]	c 15	N71-17822	Active RC networks [NASA-CASE-ARC-10020]	c 10	N72-17172	Bio-isolated dc operational amplifier [NASA-CASE-ARC-10596-1]	c 33	N74-21851
Hypervelocity gun Patent [NASA-CASE-XAC-05902]	c 11	N71-18578	Apparatus for automatically stabilizing the attitude of a nonguided vehicle [NASA-CASE-ARC-10134]	c 30	N72-17873	Programmable physiological infusion [NASA-CASE-ARC-10447-1]	c 52	N74-22771
Nonlinear analog-to-digital converter Patent [NASA-CASE-XAC-04031]	c 08	N71-18594	Flexible fire retardant foam [NASA-CASE-ARC-10180-1]	c 28	N72-20767	Chromato-fluorographic drug detector [NASA-CASE-ARC-10633-1]	c 25	N74-26947
Demodulation system Patent [NASA-CASE-XAC-04030]	c 10	N71-19472	Method and apparatus for swept-frequency impedance measurements of welds [NASA-CASE-ARC-10176-1]	c 15	N72-21464	Intumescent composition, foamed product prepared therewith and process for making same [NASA-CASE-ARC-10304-2]	c 27	N74-27037
Phase quadrature-plural channel data transmission system Patent [NASA-CASE-XAC-06302]	c 08	N71-19763	Space suit having improved waist and torso movement [NASA-CASE-ARC-10275-1]	c 05	N72-22092	Photomultiplier circuit including means for rapidly reducing the sensitivity thereof [NASA-CASE-ARC-10593-1]	c 33	N74-27682
Two force component measuring device Patent [NASA-CASE-XAC-04886-1]	c 14	N71-20439	RF controlled solid state switch [NASA-CASE-ARC-10136-1]	c 09	N72-22202	G-load measuring and indicator apparatus [NASA-CASE-ARC-10806]	c 06	N74-27872
Attitude controls for VTOL aircraft Patent [NASA-CASE-XAC-08972]	c 02	N71-20570	Wide range dynamic pressure sensor [NASA-CASE-ARC-10263-1]	c 14	N72-22438	Concentric differential gearing arrangement [NASA-CASE-ARC-10462-1]	c 37	N74-27901
Electric arc apparatus Patent [NASA-CASE-XAC-01677]	c 09	N71-20816	Method and apparatus for measuring the damping characteristics of a structure [NASA-CASE-ARC-10154-1]	c 14	N72-22440	Measurement of plasma temperature and density using radiation absorption [NASA-CASE-ARC-10598-1]	c 75	N74-30156
Inertia diaphragm pressure transducer Patent [NASA-CASE-XAC-02981]	c 14	N71-21072	Magnetic position detection method and apparatus [NASA-CASE-ARC-10179-1]	c 21	N72-22619	Abating exhaust noises in jet engines [NASA-CASE-ARC-10712-1]	c 07	N74-33218
Stirring apparatus for plural test tubes Patent [NASA-CASE-XAC-06956]	c 15	N71-21177	Fluidic proportional thruster system [NASA-CASE-ARC-10106-1]	c 28	N72-22769	Solid medium thermal engine [NASA-CASE-ARC-10461-1]	c 44	N74-33379
Exposure system for animals Patent [NASA-CASE-XAC-05333]	c 11	N71-22875	Thermoelectric radiometer utilizing polymer film [NASA-CASE-ARC-10138-1]	c 14	N72-24477	Automated analysis of oxidative metabolites [NASA-CASE-ARC-10469-1]	c 25	N75-12086
Vibrating element electrometer with output signal magnified over input signal by a function of the mechanical Q of the vibrating element Patent [NASA-CASE-XAC-02807]	c 09	N71-23021	Polymers vehicles as carriers for sulfonic acid salt of nitrosubstituted aromatic amines [NASA-CASE-ARC-10325]	c 06	N72-25147	Method of preparing water purification membranes [NASA-CASE-ARC-10643-1]	c 25	N75-12087
Hall current measuring apparatus having a series resistor for temperature compensation Patent [NASA-CASE-XAC-01662]	c 14	N71-23037	Stereoscopic television system and apparatus [NASA-CASE-ARC-10160-1]	c 23	N72-27728	Method of forming aperture plate for electron microscope [NASA-CASE-ARC-10448-2]	c 74	N75-12732
Transfer valve Patent [NASA-CASE-XAC-01158]	c 15	N71-23051	Metallic intrusion detector system [NASA-CASE-ARC-10265-1]	c 10	N72-28240	Integrated lift/drag controller for aircraft [NASA-CASE-ARC-10456-1]	c 05	N75-12930
Hard space suit Patent [NASA-CASE-XAC-07043]	c 05	N71-23161	Apparatus for ionization analysis [NASA-CASE-ARC-10017-1]	c 14	N72-29464	Wind tunnel flow generation section [NASA-CASE-ARC-10710-1]	c 09	N75-12969
Method and apparatus for continuously monitoring blood oxygenation, blood pressure, pulse rate and the pressure pulse curve utilizing an ear oximeter as transducer Patent [NASA-CASE-XAC-05422]	c 04	N71-23185	Nondispersive gas analyzing method and apparatus wherein radiation is serially passed through a reference and unknown gas [NASA-CASE-ARC-10308-1]	c 06	N72-31141	Continuous Fourier transform method and apparatus [NASA-CASE-ARC-10466-1]	c 60	N75-13539
Feedback integrator with grounded capacitor Patent [NASA-CASE-XAC-10607]	c 10	N71-23669	Two degree inverted flexure [NASA-CASE-ARC-10345-1]	c 15	N73-12488	Dual wavelength scanning Doppler velocimeter [NASA-CASE-ARC-10637-1]	c 35	N75-16783
Floating two force component measuring device Patent [NASA-CASE-XAC-04885]	c 14	N71-23790	Intumescent paint containing nitrile rubber [NASA-CASE-ARC-10196-1]	c 18	N73-13562	Signal conditioning circuit apparatus [NASA-CASE-ARC-10348-1]	c 33	N75-19518
Control device Patent [NASA-CASE-XAC-10019]	c 15	N71-23809	Temperature compensated light source using a light emitting diode [NASA-CASE-ARC-10467-1]	c 09	N73-14214	Diode-quad bridge circuit means [NASA-CASE-ARC-10364-3]	c 33	N75-19520
Means for suppressing or attenuating bending motion of elastic bodies Patent [NASA-CASE-XAC-05632]	c 32	N71-23971	Self-tuning bandpass filter [NASA-CASE-ARC-10264-1]	c 09	N73-20231	Reversed cowl flap inlet thrust augmentor [NASA-CASE-ARC-10754-1]	c 07	N75-24736
Device for measuring pressure Patent [NASA-CASE-XAC-04458]	c 14	N71-24232	Micrometeoroid analyzer [NASA-CASE-ARC-10443-1]	c 14	N73-20477	Diode-quad bridge circuit means [NASA-CASE-ARC-10364-2]	c 33	N75-25041
Transducer circuit and catheter transducer Patent [NASA-CASE-ARC-10132-1]	c 09	N71-24597	Multiple pass reimagining optical system [NASA-CASE-ARC-10194-1]	c 23	N73-20741	Rotary plant growth accelerating apparatus [NASA-CASE-ARC-10722-1]	c 51	N75-25503
Skeletal stressing method and apparatus Patent [NASA-CASE-ARC-10100-1]	c 05	N71-24738	Intruder detection system [NASA-CASE-ARC-10097-2]	c 07	N73-25160	Shoulder harness and lap belt restraint system [NASA-CASE-ARC-10519-2]	c 05	N75-25915
Modified polyurethane foams for fuel-fire Patent [NASA-CASE-ARC-10098-1]	c 06	N71-24739	Interferometric rotation sensor [NASA-CASE-ARC-10278-1]	c 14	N73-25463	Gas chromatograph injection system [NASA-CASE-ARC-10344-2]	c 35	N75-26334
Deep space monitor communication satellite system Patent [NASA-CASE-XAC-06029-1]	c 31	N71-24813	Dual-fuselage aircraft having yawable wing and horizontal stabilizer [NASA-CASE-ARC-10470-1]	c 02	N73-26005	Reference apparatus for medical ultrasonic transducer [NASA-CASE-ARC-10753-1]	c 54	N75-27760
			Temperature controller for a fluid cooled garment [NASA-CASE-ARC-10599-1]	c 05	N73-26071	Electric arc light source having undercut recessed anode [NASA-CASE-ARC-10266-1]	c 33	N75-29318
			Visual examination apparatus [NASA-CASE-ARC-10329-1]	c 05	N73-26072	G-load measuring and indicator apparatus [NASA-CASE-ARC-10806-1]	c 35	N75-29381
						NDIR gas analyzer based on absorption modulation ratios for known and unknown samples [NASA-CASE-ARC-10802-1]	c 35	N75-30502

- Diatomic infrared gasdynamic laser
[NASA-CASE-ARC-10370-1] c 36 N75-31426
- Pneumatic load compensating or controlling system
[NASA-CASE-ARC-10907-1] c 37 N75-32465
- Combined dual scatter, local oscillator laser Doppler velocimeter
[NASA-CASE-ARC-10642-1] c 36 N76-14447
- Fiber modified polyurethane foam for ballistic protection
[NASA-CASE-ARC-10714-1] c 27 N76-15310
- Transparent fire resistant polymeric structures
[NASA-CASE-ARC-10813-1] c 27 N76-16230
- Modulated hydrogen ion flame detector
[NASA-CASE-ARC-10322-1] c 35 N76-18403
- Electrical conductivity cell and method for fabricating the same
[NASA-CASE-ARC-10810-1] c 33 N76-19339
- Method and apparatus for compensating reflection losses in a path length modulated absorption-absorption trace gas detector
[NASA-CASE-ARC-10631-1] c 74 N76-20958
- Trelectrode capacitive pressure transducer
[NASA-CASE-ARC-10711-2] c 33 N76-21390
- Nulling device for detection of trace gases by NDIR absorption
[NASA-CASE-ARC-10760-1] c 25 N76-22323
- Silica reusable surface insulation
[NASA-CASE-ARC-10721-1] c 27 N76-22376
- Optical alignment device
[NASA-CASE-ARC-10932-1] c 74 N76-22993
- Vehicle simulator binocular multiplexed visual display system
[NASA-CASE-ARC-10808-1] c 09 N76-24280
- Readout electrode assembly for measuring biological impedance
[NASA-CASE-ARC-10816-1] c 35 N76-24525
- System for measuring Reynolds in a turbulently flowing fluid
[NASA-CASE-ARC-10755-2] c 34 N76-27517
- Oblique-wing supersonic aircraft
[NASA-CASE-ARC-10470-3] c 05 N76-29217
- Accelerometer telemetry system
[NASA-CASE-ARC-10849-1] c 17 N76-29347
- Miniature ingestible telemeter devices to measure deep-body temperature
[NASA-CASE-ARC-10583-1] c 52 N76-29894
- Visual examination apparatus
[US-PATENT-RE-28,921] c 52 N76-30793
- Integrated structure vacuum tube
[NASA-CASE-ARC-10445-1] c 31 N76-31365
- Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-2] c 27 N76-32315
- Biomedical ultrasonoscope
[NASA-CASE-ARC-10994-1] c 52 N76-33835
- Thermistor holder for skin temperature measurements
[NASA-CASE-ARC-10855-1] c 52 N77-10780
- Smoke generator
[NASA-CASE-ARC-10905-1] c 37 N77-13418
- Electron microscope aperture system
[NASA-CASE-ARC-10448-3] c 35 N77-14408
- Liquid cooled brassiere and method of diagnosing malignant tumors therewith
[NASA-CASE-ARC-11007-1] c 52 N77-14736
- Hingeless helicopter rotor with improved stability
[NASA-CASE-ARC-10807-1] c 05 N77-17029
- The engine air intake system
[NASA-CASE-ARC-10761-1] c 07 N77-18154
- Spring operated accelerator and constant force spring mechanism therefor
[NASA-CASE-ARC-10898-1] c 35 N77-18417
- Rotating launch device for a remotely piloted aircraft
[NASA-CASE-ARC-10979-1] c 09 N77-19076
- Tubular sublimatory evaporator heat sink
[NASA-CASE-ARC-10912-1] c 34 N77-19353
- Selective data segment monitoring system
[NASA-CASE-ARC-10899-1] c 60 N77-19760
- All sky pointing attitude control system
[NASA-CASE-ARC-10716-1] c 35 N77-20399
- Metallic hot wire anemometer
[NASA-CASE-ARC-10911-1] c 35 N77-20400
- Optical instrument employing reticle having preselected visual response pattern formed thereon
[NASA-CASE-ARC-10976-1] c 74 N77-22950
- Sampling video compression system
[NASA-CASE-ARC-10984-1] c 32 N77-24328
- Method for making a hot wire anemometer and product thereof
[NASA-CASE-ARC-10900-1] c 35 N77-24454
- Pseudo-backscatter laser Doppler velocimeter employing antiparallel-reflector in the forward direction
[NASA-CASE-ARC-10970-1] c 36 N77-25501
- System for measuring three fluctuating velocity components in a turbulently flowing fluid
[NASA-CASE-ARC-10974-1] c 34 N77-27345
- Twinn-capacitive shaft angle encoder with analog output signal
[NASA-CASE-ARC-10897-1] c 33 N77-31404
- Anthropomorphic master/slave manipulator system
[NASA-CASE-ARC-10756-1] c 54 N77-32721
- Mechanical energy storage device for hip disarticulation
[NASA-CASE-ARC-10916-1] c 52 N78-10686
- Optically selective, acoustically resonant gas detecting transducer
[NASA-CASE-ARC-10639-1] c 35 N78-13400
- Intumescent coatings containing 4,4'-dinitrosulfanilide
[NASA-CASE-ARC-11042-1] c 24 N78-14096
- Automatic multiple-sample applicator and electrophoresis apparatus
[NASA-CASE-ARC-10991-1] c 25 N78-14104
- Flow separation detector
[NASA-CASE-ARC-11046-1] c 35 N78-14364
- Honeycomb-laminate composite structure
[NASA-CASE-ARC-10913-1] c 24 N78-15180
- Heat pipe with dual working fluids
[NASA-CASE-ARC-10198] c 34 N78-17336
- Multi-chamber controllable heat pipe
[NASA-CASE-ARC-10199] c 34 N78-17337
- Walking boot assembly
[NASA-CASE-ARC-11101-1] c 54 N78-17675
- Full color hybrid display for aircraft simulators
[NASA-CASE-ARC-10903-1] c 09 N78-18083
- Apparatus for measuring a sorbate dispersed in a fluid stream
[NASA-CASE-ARC-10896-1] c 35 N78-19465
- Automatic fluid dispenser
[NASA-CASE-ARC-10820-1] c 35 N78-19466
- Intumescent-ablator coatings using endothermic fillers
[NASA-CASE-ARC-11043-1] c 24 N78-27180
- Low density bismaleimide-carbon microballoon composites
[NASA-CASE-ARC-11040-2] c 24 N78-27184
- Rotary leveling base platform
[NASA-CASE-ARC-10981-1] c 37 N78-27425
- Tread drum for animals
[NASA-CASE-ARC-10917-1] c 51 N78-27733
- Polymeric foams from cross-linkable poly-n-arylenebenzimidazoles
[NASA-CASE-ARC-11008-1] c 27 N78-31232
- Boron trifluoride coatings for thermoplastic materials and method of applying same in glow discharge
[NASA-CASE-ARC-11057-1] c 27 N78-31233
- Spacesuit mobility joints
[NASA-CASE-ARC-11058-1] c 54 N78-31735
- Spacesuit torso closure
[NASA-CASE-ARC-11100-1] c 54 N78-31736
- Process for preparing higher oxides of the alkali and alkaline earth metals
[NASA-CASE-ARC-10992-1] c 26 N78-32229
- Reaction cured glass and glass coatings
[NASA-CASE-ARC-11051-1] c 27 N78-32260
- Angle detector
[NASA-CASE-ARC-11036-1] c 35 N78-32395
- Process for producing a well-adhered durable optical coating on an optical plastic substrate
[NASA-CASE-ARC-11039-1] c 74 N78-32854
- Process for the preparation of calcium superoxide
[NASA-CASE-ARC-11053-1] c 25 N79-10162
- Contour detector and data acquisition system for the left ventricular outline
[NASA-CASE-ARC-10985-1] c 52 N79-10724
- Ambient cure polyimide foams
[NASA-CASE-ARC-11170-1] c 27 N79-11215
- Microelectrophoretic apparatus and process
[NASA-CASE-ARC-11121-1] c 25 N79-14169
- Preparation of dielectric coating of variable dielectric constant by plasma polymerization
[NASA-CASE-ARC-10892-2] c 27 N79-14214
- Electric discharge for treatment of trace contaminants
[NASA-CASE-ARC-10975-1] c 33 N79-15245
- Low density bismaleimide-carbon microballoon composites
[NASA-CASE-ARC-11040-1] c 24 N79-16915
- Constant lift rotor for a heavier than air craft
[NASA-CASE-ARC-11045-1] c 05 N79-17847
- Oxygen post-treatment of plastic surface coated with plasma polymerized silicon-containing monomers
[NASA-CASE-ARC-10915-2] c 27 N79-18052
- Miniature implantable ultrasonic echosonometer
[NASA-CASE-ARC-11035-1] c 52 N79-18580
- Preparation of heterocyclic block copolymer omega-diamidoximes
[NASA-CASE-ARC-11060-1] c 27 N79-22300
- Fibrous refractory composite insulation
[NASA-CASE-ARC-11169-1] c 24 N79-24062
- Spacesuit mobility knee joints
[NASA-CASE-ARC-11058-2] c 54 N79-24651
- Fire protection covering for small diameter missiles
[NASA-CASE-ARC-11104-1] c 15 N79-26100
- Biomedical ultrasonoscope
[NASA-CASE-ARC-10994-2] c 52 N79-26771
- Controller arm for a remotely related slave arm
[NASA-CASE-ARC-11052-1] c 37 N79-28551
- Acoustically swept rotor
[NASA-CASE-ARC-11106-1] c 05 N80-14107
- Catalysts for polyimide foams from aromatic isocyanates and aromatic dianhydrides
[NASA-CASE-ARC-11107-1] c 25 N80-16116
- Cryogenic container compound suspension strap
[NASA-CASE-ARC-11157-1] c 37 N80-18393
- Induction powered biological radiosonde
[NASA-CASE-ARC-11120-1] c 52 N80-18691
- Chelate-modified polymers for atmospheric gas chromatography
[NASA-CASE-ARC-11154-1] c 25 N80-23383
- Reverse osmosis membrane of high urea rejection properties
[NASA-CASE-ARC-10980-1] c 27 N80-23452
- Reduction of nitric oxide emissions from a combustor
[NASA-CASE-ARC-10814-2] c 07 N80-26298
- Preparation of perfluorinated imidoylamidoximes
[NASA-CASE-ARC-11267-1] c 23 N80-26386
- An improved synthesis of 2,4,8,10-tetroxaspiro (5,5) undecane
[NASA-CASE-ARC-11243-2] c 23 N80-31472
- Aircraft engine nozzle
[NASA-CASE-ARC-10977-1] c 07 N80-32392
- Pocket ECG electrode
[NASA-CASE-ARC-11258-1] c 52 N80-33081
- Structural wood panels with improved fire resistance
[NASA-CASE-ARC-11174-1] c 24 N81-13999
- Perfluoroalkyl polytriazines containing pendant iododifluoromethyl groups
[NASA-CASE-ARC-11241-1] c 25 N81-14016
- Micro-fluid exchange coupling apparatus
[NASA-CASE-ARC-11114-1] c 51 N81-14605
- Subcutaneous electrode structure
[NASA-CASE-ARC-11117-1] c 52 N81-14612
- Indomethacin-antihistamine combination for gastric ulceration control
[NASA-CASE-ARC-11118-2] c 52 N81-14613
- Process for the preparation of fluorine containing crosslinked elastomeric polytriazine and product so produced
[NASA-CASE-ARC-11248-1] c 27 N81-17259
- The 1,2,4-oxadiazole elastomers
[NASA-CASE-ARC-11253-1] c 27 N81-17262
- Pressure control valve
[NASA-CASE-ARC-11251-1] c 37 N81-17433
- Autonomous navigation system
[NASA-CASE-ARC-11257-1] c 04 N81-21047
- Bifunctional monomers having terminal oxime and cyano or amine groups
[NASA-CASE-ARC-11253-3] c 27 N81-24256
- Spine immobilization apparatus
[NASA-CASE-ARC-11167-1] c 52 N81-25662
- Process for the preparation of polycarbonarylphosphazenes
[NASA-CASE-ARC-11176-2] c 27 N81-27271
- Phosphorus-containing bisimide resins
[NASA-CASE-ARC-11321-1] c 27 N81-27272
- Sweat collection capsule
[NASA-CASE-ARC-11031-1] c 52 N81-29763
- Indomethacin-antihistamine combination for gastric ulceration control
[NASA-CASE-ARC-11118-1] c 52 N81-29764
- Non-invasive method and apparatus for measuring pressure within a pliable vessel
[NASA-CASE-ARC-11264-1] c 52 N81-33804
- Spectrally balanced chromatic landing approach lighting system
[NASA-CASE-ARC-10990-1] c 04 N82-16059
- Synthesis of polyformals
[NASA-CASE-ARC-11244-1] c 23 N82-16174
- Carbonarylcyclotriphosphazenes and their polymers
[NASA-CASE-ARC-11176-1] c 27 N82-18389
- Use of glow discharge in fluidized beds
[NASA-CASE-ARC-11245-1] c 28 N82-18401
- Clutchless multiple drive source for output shaft
[NASA-CASE-ARC-11325-1] c 37 N82-22496
- Environmental fog/rain visual display system for aircraft simulators
[NASA-CASE-ARC-11158-1] c 09 N82-24212
- High acceleration cable deployment system
[NASA-CASE-ARC-11256-1] c 15 N82-24272
- The 1,1,1-triaryl-2,2,2-trifluoroethanes and process for their synthesis
[NASA-CASE-ARC-11097-1] c 25 N82-24312
- Preparation of crosslinked 1,2,4-oxadiazole polymer
[NASA-CASE-ARC-11253-2] c 27 N82-24338
- Adjustable high emittance gap filter
[NASA-CASE-ARC-11310-1] c 27 N82-24339
- Test apparatus for locating shorts during assembly of electrical buses
[NASA-CASE-ARC-11116-1] c 33 N82-24420

- Spray coating apparatus having a rotatable workpiece holder
[NASA-CASE-ARC-11110-1] c 37 N82-24492
- Improved process for preparing perfluorotriazine elastomers and precursors thereof
[NASA-CASE-ARC-11402-1] c 27 N82-26462
- Electronic scanning pressure measuring system and transducer package
[NASA-CASE-ARC-11361-1] c 35 N82-26635
- Pressure suit joint analyzer
[NASA-CASE-ARC-11314-1] c 54 N82-26987
- Preparation of perfluorinated 1,2,4-oxadiazoles
[NASA-CASE-ARC-11267-2] c 23 N82-28353
- Method for the preparation of thin-skinned asymmetric reverse osmosis membranes and products thereof
[NASA-CASE-ARC-11359-1] c 27 N82-28444
- High performance fillet sealant
[NASA-CASE-ARC-11409-1] c 27 N82-32490
- High performance channel injection sealant invention abstract
[NASA-CASE-ARC-14408-1] c 27 N82-33523
- Thumb actuated two axis controller
[NASA-CASE-ARC-11372-1] c 08 N83-12098
- Metal phthalocyanine polymers
[NASA-CASE-ARC-11405-1] c 27 N83-12239
- Rhomboid prism pair for rotating the plane of parallel light beams
[NASA-CASE-ARC-11311-1] c 74 N83-13978
- Phthalocyanine polymers
[NASA-CASE-ARC-11413-1] c 27 N83-14275
- Elastomer-modified phosphorus-containing imide resins
[NASA-CASE-ARC-11400-1] c 27 N83-14276
- Fire blocking systems for aircraft seat cushions
[NASA-CASE-ARC-11423-1] c 03 N83-17525
- Fluoroether modified epoxy composites
[NASA-CASE-ARC-11418-1] c 24 N83-17603
- Fluid driven sump pump
[NASA-CASE-ARC-11414-1] c 37 N83-20152
- Apparatus and method for tracking the fundamental frequency of an analog input signal
[NASA-CASE-ARC-11367-1] c 33 N83-21238
- Dual-beam skin friction interferometer
[NASA-CASE-ARC-11354-1] c 74 N83-21949
- Rotor blade with passive tuned tab
[NASA-CASE-ARC-11444-1] c 02 N83-25663
- Method of carbonizing polyacrylonitrile fibers
[NASA-CASE-ARC-11261-1] c 24 N83-25789
- Toughening reinforced epoxy composites with brominated polymeric additives
[NASA-CASE-ARC-11427-1] c 24 N83-25791
- Carboranyl-methylene-substituted phosphazenes, polymers thereof and process for the production thereof
[NASA-CASE-ARC-11370-1] c 27 N83-25884
- The 1 - (dialkoxyposphoryl)methyl -2,4- and -2,6-dinitro- and diamino benzenes and their derivatives
[NASA-CASE-ARC-11425-1] c 23 N83-28076
- Elevated waterproof access floor system and method of making the same
[NASA-CASE-ARC-11363-1] c 31 N83-28281
- Method for detecting coliform organisms
[NASA-CASE-ARC-11322-1] c 51 N83-28849
- Non-invasive method and apparatus for measuring pressure within a pliable vessel
[NASA-CASE-ARC-11264-2] c 52 N83-29991
- Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-1] c 27 N83-31854
- Noise suppressor for turbo fan jet engines
[NASA-CASE-ARC-10812-1] c 07 N83-33884
- Synthesis of dawsonites
[NASA-CASE-ARC-11326-1] c 25 N83-33977
- Method of tracing contour patterns for use in making gradual contour resin matrix composites
[NASA-CASE-ARC-11246-1] c 31 N83-34073
- Scanning seismic intrusion detection method and apparatus
[NASA-CASE-ARC-11317-1] c 35 N83-34272
- Sidelooking laser altimeter for a flight simulator
[NASA-CASE-ARC-11312-1] c 36 N83-34304
- High temperature glass thermal control structure and coating
[NASA-CASE-ARC-11164-1] c 44 N83-34448
- Fire extinguishant materials
[NASA-CASE-ARC-11252-1] c 25 N83-36118
- National Aeronautics and Space Administration. Hugh L. Dryden Flight Research Center, Edwards, Calif.**
- Fifth wheel
[NASA-CASE-FRC-10081-1] c 37 N77-14477
- Window comparator
[NASA-CASE-FRC-10090-1] c 33 N78-18308
- Wire stripper
[NASA-CASE-FRC-10111-1] c 37 N79-10419
- Free wing assembly for an aircraft
[NASA-CASE-FRC-10092-1] c 05 N79-12061
- Voltage regulator for battery power source
[NASA-CASE-FRC-10116-1] c 33 N79-23345
- Air speed and altitude probe
[NASA-CASE-FRC-11009-1] c 06 N80-18036
- Attaching of strain gages to substrates
[NASA-CASE-FRC-10093-1] c 35 N80-20560
- Pulse transducer with artifact signal attenuator
[NASA-CASE-FRC-11012-1] c 52 N80-23969
- Portable device for use in starting air-start-units for aircraft and having cable lead testing capability
[NASA-CASE-FRC-11013-1] c 33 N80-26599
- System for use in conducting wake investigation for a wing in flight
[NASA-CASE-FRC-11024-1] c 02 N80-28300
- Active notch filter network with variable notch depth, width and frequency
[NASA-CASE-FRC-11055-1] c 33 N80-29583
- Skin friction measuring device for aircraft
[NASA-CASE-FRC-11029-1] c 06 N81-17057
- Method for observing the features characterizing the surface of a land mass
[NASA-CASE-FRC-11013-1] c 43 N81-17499
- Thermocouple, multiple junction reference oven
[NASA-CASE-FRC-10112-1] c 35 N81-26431
- Electrical servo actuator bracket
[NASA-CASE-FRC-11044-1] c 37 N81-33483
- System for providing an integrated display of instantaneous information relative to aircraft attitude, heading, altitude, and horizontal situation
[NASA-CASE-FRC-11005-1] c 06 N82-16075
- Multiple pure tone elimination strut assembly
[NASA-CASE-FRC-11062-1] c 71 N82-16800
- Apparatus for damping operator induced oscillations of a controlled system
[NASA-CASE-FRC-11041-1] c 33 N82-18493
- Power converter
[NASA-CASE-FRC-11014-1] c 33 N82-18494
- Sun sensing guidance system for high altitude aircraft
[NASA-CASE-FRC-11052-1] c 04 N82-23231
- Superplastically formed diffusion bonded metallic structure
[NASA-CASE-FRC-11026-1] c 24 N82-24296
- Smoothing filter for digital to analog conversion
[NASA-CASE-FRC-11025-1] c 33 N82-24417
- Inflatable device for installing strain gage bridges
[NASA-CASE-FRC-11068-1] c 35 N82-24473
- Computer circuit card puller
[NASA-CASE-FRC-11042-1] c 60 N82-24839
- Annular wing
[NASA-CASE-FRC-11007-2] c 05 N82-26277
- Low-drag ground vehicle particularly suited for use in safely transporting livestock
[NASA-CASE-FRC-11058-1] c 85 N82-33288
- Aircraft canopy lock
[NASA-CASE-FRC-11065-1] c 05 N83-19737
- Adapter for mounting a microphone flush with the external surface of the skin of a pressurized aircraft
[NASA-CASE-FRC-11072-1] c 05 N83-27975
- Aircraft body-axis rotation measurement system
[NASA-CASE-FRC-11043-1] c 06 N83-33882
- National Aeronautics and Space Administration. Electronics Research Center, Cambridge, Mass.**
- Method and apparatus for wavelength tuning of liquid lasers
[NASA-CASE-ERC-10187] c 16 N69-31343
- A method for the deposition of beta-silicon carbide by isoeptaxy
[NASA-CASE-ERC-10120] c 26 N69-33482
- Full flow with shut off and selective drainage control valve Patent application
[NASA-CASE-ERC-10208] c 15 N70-10867
- A method for selective gold diffusion of monolithic silicon devices and/or circuits Patent application
[NASA-CASE-ERC-10072] c 09 N70-11148
- Method and means for an improved electron beam scanning system Patent
[NASA-CASE-ERC-10552] c 09 N71-12539
- Apparatus and method for separating a semiconductor wafer Patent
[NASA-CASE-ERC-10138] c 26 N71-14354
- Focused image holography with extended sources Patent
[NASA-CASE-ERC-10019] c 16 N71-15551
- Recording and reconstructing focused image holograms Patent
[NASA-CASE-ERC-10017] c 16 N71-15567
- Sorption vacuum trap Patent
[NASA-CASE-XER-09519] c 14 N71-18483
- Voltage tunable Gunn-type microwave generator Patent
[NASA-CASE-XER-07894] c 09 N71-18721
- Array phasing device Patent
[NASA-CASE-ERC-10046] c 10 N71-18722
- Parametric microwave noise generator Patent
[NASA-CASE-XER-11019] c 09 N71-23598
- Saturation current protection apparatus for saturable core transformers Patent
[NASA-CASE-ERC-10075] c 09 N71-24800
- Repetitively pulsed, wavelength selective laser Patent
[NASA-CASE-ERC-10178] c 16 N71-24832
- Optical mirror apparatus Patent
[NASA-CASE-ERC-10001] c 23 N71-24868
- Unsaturating saturable core transformer Patent
[NASA-CASE-ERC-10125] c 09 N71-24893
- Leak detector wherein a probe is monitored with ultraviolet radiation Patent
[NASA-CASE-ERC-10034] c 15 N71-24896
- Method for detecting leaks in hermetically sealed containers Patent
[NASA-CASE-ERC-10045] c 15 N71-24910
- Satellite aided vehicle avoidance system Patent
[NASA-CASE-ERC-10090] c 21 N71-24948
- Transverse piezoresistance and pinch effect electromechanical transducers Patent
[NASA-CASE-ERC-10088] c 26 N71-25490
- A solid state acoustic variable time delay line Patent
[NASA-CASE-ERC-10032] c 10 N71-25900
- Method and means for recording and reconstructing holograms without use of a reference beam Patent
[NASA-CASE-ERC-10020] c 16 N71-26154
- Electromechanical control actuator system Patent
[NASA-CASE-ERC-10022] c 15 N71-26635
- Method and apparatus for detecting gross leaks Patent
[NASA-CASE-ERC-10033] c 14 N71-26672
- Field ionization electrodes Patent
[NASA-CASE-ERC-10013] c 09 N71-26678
- Voltage regulator Patent
[NASA-CASE-ERC-10113] c 09 N71-27053
- A multichannel photoionization chamber for absorption analysis Patent
[NASA-CASE-ERC-10044-1] c 14 N71-27090
- Pressure sensitive transducers Patent
[NASA-CASE-ERC-10087] c 14 N71-27334
- Constant frequency output two stage induction machine systems Patent
[NASA-CASE-ERC-10065] c 09 N71-27364
- Fluid power transmitting gas bearing Patent
[NASA-CASE-ERC-10097] c 15 N71-28465
- Color television systems using a single gun color cathode ray tube Patent
[NASA-CASE-ERC-10098] c 09 N71-28618
- Ion microprobe mass spectrometer for analyzing fluid materials Patent
[NASA-CASE-ERC-10014] c 14 N71-28863
- Onchic gross leak tester Patent
[NASA-CASE-ERC-10150] c 14 N71-28992
- Device for measuring light scattering wherein the measuring beam is successively reflected between a pair of parallel reflectors Patent
[NASA-CASE-XER-11203] c 14 N71-28994
- Quasi-optical microwave component Patent
[NASA-CASE-ERC-10011] c 07 N71-29065
- Multiple hologram recording and readout system Patent
[NASA-CASE-ERC-10151] c 16 N71-29131
- Plasma fluidic hybrid display Patent
[NASA-CASE-ERC-10100] c 09 N71-33519
- Optical systems having spatially invariant outputs
[NASA-CASE-ERC-10248] c 14 N72-17323
- Method of detecting impending saturation of magnetic cores
[NASA-CASE-ERC-10089] c 23 N72-17747
- Logarithmic function generator utilizing an exponentially varying signal in an inverse manner
[NASA-CASE-ERC-10267] c 09 N72-23173
- Method and apparatus for limiting field emission current
[NASA-CASE-ERC-10015-2] c 10 N72-27246
- National Aeronautics and Space Administration. Flight Research Center, Edwards, Calif.**
- Rocket chamber leak test fixture
[NASA-CASE-XFR-09479] c 14 N69-27503
- Three axis controller Patent
[NASA-CASE-XFR-00181] c 21 N70-33279
- Catalyst bed removing tool Patent
[NASA-CASE-XFR-00811] c 15 N70-36901
- Two-axis controller Patent
[NASA-CASE-XFR-04104] c 03 N70-42073
- Controlled visibility device for an aircraft Patent
[NASA-CASE-XFR-04147] c 11 N71-10748
- Biomedical electrode arrangement Patent
[NASA-CASE-XFR-10856] c 05 N71-11189
- Lifting body Patent Application
[NASA-CASE-FRC-10063] c 01 N71-12217
- Energy management system for glider type vehicle Patent
[NASA-CASE-XFR-00756] c 02 N71-13421
- Quick attach mechanism Patent
[NASA-CASE-XFR-05421] c 15 N71-22994
- Heat flux measuring system Patent
[NASA-CASE-XFR-03802] c 33 N71-23085
- Threadless fastener apparatus Patent
[NASA-CASE-XFR-05302] c 15 N71-23254

Traversing probe Patent
[NASA-CASE-XFR-02007] c 12 N71-24692
Layout tool Patent
[NASA-CASE-FRC-10005] c 15 N71-26145
Pulsed excitation voltage circuit for transducers
[NASA-CASE-FRC-10036] c 09 N72-22200
Acoustical transducer calibrating system and apparatus
[NASA-CASE-FRC-10060-1] c 14 N73-27379
Three-axis adjustable loading structure
[NASA-CASE-FRC-10051-1] c 35 N74-13129
Terminal guidance system
[NASA-CASE-FRC-10049-1] c 04 N74-13420
Full wave modulator-demodulator amplifier apparatus
[NASA-CASE-FRC-10072-1] c 33 N74-14939
Rotating raster generator
[NASA-CASE-FRC-10071-1] c 32 N74-20813

National Aeronautics and Space Administration.

Goddard Inst. for Space Studies, New York.

Application of luciferase assay for ATP to antimicrobial drug susceptibility
[NASA-CASE-GSC-12039-1] c 51 N77-22794
Method for fabricating a mass spectrometer inlet leak
[NASA-CASE-GSC-12077-1] c 35 N77-24455
Length controlled stabilized mode-lock ND YAG laser
[NASA-CASE-GSC-11571-1] c 36 N77-25499
Three phase full wave dc motor decoder
[NASA-CASE-GSC-11824-1] c 33 N77-26386
Gregorian all-reflective optical system
[NASA-CASE-GSC-12058-1] c 74 N77-26942
Opto-mechanical subsystem with temperature compensation through isothermal design
[NASA-CASE-GSC-12059-1] c 35 N77-27366
Controlled caging and uncaging mechanism
[NASA-CASE-GSC-11063-1] c 37 N77-27400
Wideband heterodyne receiver for laser communication system
[NASA-CASE-GSC-12053-1] c 32 N77-28346
Method and apparatus for producing an image from a transparent object
[NASA-CASE-GSC-11989-1] c 74 N77-28932
Pseudo noise code and data transmission method and apparatus
[NASA-CASE-GSC-12017-1] c 32 N77-30308
Speech analyzer
[NASA-CASE-GSC-11898-1] c 32 N77-30309
Automatic transponder
[NASA-CASE-GSC-12075-1] c 32 N77-31350
Method of treating the surface of a glass member
[NASA-CASE-GSC-12110-1] c 27 N77-32308
Flat-plate heat pipe
[NASA-CASE-GSC-11998-1] c 34 N77-32413
Fluid sampling device
[NASA-CASE-GSC-12143-1] c 35 N77-32456
Analog to digital converter for two-dimensional radiant energy array computers
[NASA-CASE-GSC-11839-3] c 60 N77-32731
Remote sensing of vegetation and soil using microwave ellipsometry
[NASA-CASE-GSC-11976-1] c 43 N78-10529
Memory device for two-dimensional radiant energy array computers
[NASA-CASE-GSC-11839-2] c 60 N78-10709

National Aeronautics and Space Administration.

Goddard Space Flight Center, Greenbelt, Md.

Regulated dc to dc converter
[NASA-CASE-XGS-03429] c 03 N69-21330
Apparatus for measuring swelling characteristics of membranes
[NASA-CASE-XGS-03865] c 14 N69-21363
Tumbler system to provide random motion
[NASA-CASE-XGS-02437] c 15 N69-21472
Automatic acquisition system for phase-lock loop
[NASA-CASE-XGS-04994] c 09 N69-21543
Low power drain semi-conductor circuit
[NASA-CASE-XGS-04999] c 09 N69-24317
Spacecraft battery seals
[NASA-CASE-XGS-03864] c 15 N69-24320
Scanning aspect sensor employing an apertured disc and a commutator
[NASA-CASE-XGS-08266] c 14 N69-27432
Monopulse system with an electronic scanner
[NASA-CASE-XGS-05582] c 07 N69-27460
Ring counter
[NASA-CASE-XGS-03095] c 09 N69-27463
Retrodirective optical system
[NASA-CASE-XGS-04480] c 16 N69-27491
Time division multiplex system
[NASA-CASE-XGS-05918] c 07 N69-39974
Doppler frequency spread correction device for multiplex transmissions
[NASA-CASE-XGS-02749] c 07 N69-39978
Alkali-metal silicate protective coating
[NASA-CASE-XGS-04119] c 18 N69-39979

Device for measuring electron-beam intensities and for subjecting materials to electron irradiation in an electron microscope
[NASA-CASE-XGS-01725] c 14 N69-39982
Light sensitive digital aspect sensor Patent
[NASA-CASE-XGS-00359] c 14 N70-34158
Method and apparatus for determining satellite orientation utilizing spatial energy sources Patent
[NASA-CASE-XGS-00466] c 21 N70-34297
Binary magnetic memory device Patent
[NASA-CASE-XGS-00174] c 08 N70-34743
Full binary adder Patent
[NASA-CASE-XGS-00689] c 08 N70-34787
Ultra-long monostable multivibrator employing bistable semiconductor switch to allow charging of timing circuit Patent
[NASA-CASE-XGS-00381] c 09 N70-34819
Space and atmospheric reentry vehicle Patent
[NASA-CASE-XGS-00260] c 31 N70-37924
Variable frequency magnetic multivibrator Patent
[NASA-CASE-XGS-00458] c 09 N70-38604
Switching mechanism with energy storage means Patent
[NASA-CASE-XGS-00473] c 03 N70-38713
Variable frequency magnetic multivibrator Patent
[NASA-CASE-XGS-00131] c 09 N70-38995
Stretch de-spin mechanism Patent
[NASA-CASE-XGS-00619] c 30 N70-40016
Folding boom assembly Patent
[NASA-CASE-XGS-00938] c 32 N70-41367
Cryogenic connector for vacuum use Patent
[NASA-CASE-XGS-02441] c 15 N70-41629
Endless tape cartridge Patent
[NASA-CASE-XGS-00769] c 14 N70-41647
Apparatus for producing three-dimensional recordings of fluorescence spectra Patent
[NASA-CASE-XGS-01231] c 14 N70-41676
Method and apparatus for determining electromagnetic characteristics of large surface area passive reflectors Patent
[NASA-CASE-XGS-02608] c 07 N70-41678
Prevention of pressure build-up in electrochemical cells Patent
[NASA-CASE-XGS-01419] c 03 N70-41864
Variable time constant smoothing circuit Patent
[NASA-CASE-XGS-01983] c 10 N70-41964
Endless tape transport mechanism Patent
[NASA-CASE-XGS-01223] c 07 N71-10609
Reversible ring counter employing cascaded single SCR stages Patent
[NASA-CASE-XGS-01473] c 09 N71-10673
Electronic beam switching commutator Patent
[NASA-CASE-XGS-01451] c 09 N71-10677
Sun tracker with rotatable plane-parallel plate and two photocells Patent
[NASA-CASE-XGS-01159] c 21 N71-10678
Non-magnetic battery case Patent
[NASA-CASE-XGS-00886] c 03 N71-11053
Interconnection of solar cells Patent
[NASA-CASE-XGS-01475] c 03 N71-11058
Frequency shift keyed demodulator Patent
[NASA-CASE-XGS-02889] c 07 N71-11282
Bi-polar phase detector and corrector for split phase PCM data signals Patent
[NASA-CASE-XGS-01590] c 07 N71-12392
Data processor having multiple sections activated at different times by selective power coupling to the sections Patent
[NASA-CASE-XGS-04767] c 08 N71-12494
Position location system and method Patent
[NASA-CASE-GSC-10087-2] c 21 N71-13958
Fire resistant coating composition Patent
[NASA-CASE-GSC-10072] c 18 N71-14014
Passively regulated water electrolysis rocket engine Patent
[NASA-CASE-XGS-08729] c 28 N71-14044
Attitude control system Patent
[NASA-CASE-XGS-04393] c 21 N71-14159
Retrodirective modulator Patent
[NASA-CASE-GSC-10062] c 14 N71-15605
Spacecraft attitude detection system by stellar reference Patent
[NASA-CASE-XGS-03431] c 21 N71-15642
Cartwheel satellite synchronization system Patent
[NASA-CASE-XGS-05579] c 31 N71-15676
Wide range linear fluxgate magnetometer Patent
[NASA-CASE-XGS-01587] c 14 N71-15962
Low friction magnetic recording tape Patent
[NASA-CASE-XGS-00373] c 23 N71-15978
Method for etching copper Patent
[NASA-CASE-XGS-06306] c 17 N71-16044
Bacteriostatic conformal coating and methods of application Patent
[NASA-CASE-GSC-10007] c 18 N71-16046

Serrodyne frequency converter re-entrant amplifier system Patent
[NASA-CASE-XGS-01022] c 07 N71-16088
Position location and data collection system and method Patent
[NASA-CASE-GSC-10083-1] c 30 N71-16090
Position sensing device employing misaligned magnetic field generating and detecting apparatus Patent
[NASA-CASE-XGS-07514] c 23 N71-16099
Optical tracker having overlapping reticles on parallel axes Patent
[NASA-CASE-XGS-05715] c 23 N71-16100
Self-erecting reflector Patent
[NASA-CASE-XGS-09190] c 31 N71-16102
Dust particle injector for hypervelocity accelerators Patent
[NASA-CASE-XGS-06628] c 24 N71-16213
Ellipsoidal mirror reflectometer including means for averaging the radiation reflected from the sample Patent
[NASA-CASE-XGS-05291] c 23 N71-16341
Angular position and velocity sensing apparatus Patent
[NASA-CASE-XGS-05680] c 14 N71-17585
Apparatus for controlling the velocity of an electromechanical drive for interferometers and the like Patent
[NASA-CASE-XGS-03532] c 14 N71-17627
Omni-directional anisotropic molecular trap Patent
[NASA-CASE-XGS-00783] c 30 N71-17788
Method of making tubes Patent
[NASA-CASE-XGS-04175] c 15 N71-18579
Pulse-type magnetic core memory element circuit with blocking oscillator feedback Patent
[NASA-CASE-XGS-03303] c 08 N71-18595
Ripple add and ripple subtract binary counters Patent
[NASA-CASE-XGS-04766] c 08 N71-18602
Computing apparatus Patent
[NASA-CASE-XGS-04765] c 08 N71-18693
Stepping motor control circuit Patent
[NASA-CASE-GSC-10366-1] c 10 N71-18772
Traffic control system and method Patent
[NASA-CASE-GSC-10087-1] c 02 N71-19287
Apparatus for measuring current flow Patent
[NASA-CASE-XGS-02439] c 14 N71-19431
Synchronous counter Patent
[NASA-CASE-XGS-02440] c 08 N71-19432
Wide range data compression system Patent
[NASA-CASE-XGS-02612] c 08 N71-19435
Apparatus for computing square roots Patent
[NASA-CASE-XGS-04768] c 08 N71-19437
Method and apparatus for battery charge control Patent
[NASA-CASE-XGS-05432] c 03 N71-19438
Stable amplifier having a stable quiescent point Patent
[NASA-CASE-XGS-02812] c 09 N71-19466
Tracking antenna system Patent
[NASA-CASE-GSC-10553-1] c 07 N71-19854
Electrochemical coulometer and method of forming same Patent
[NASA-CASE-XGS-05434] c 03 N71-20491
Display for binary characters Patent
[NASA-CASE-XGS-04987] c 08 N71-20571
Amplifier clamping circuit for horizon scanner Patent
[NASA-CASE-XGS-01784] c 10 N71-20782
Diversity receiving system with diversity phase lock Patent
[NASA-CASE-XGS-01222] c 10 N71-20841
Signal detection and tracking apparatus Patent
[NASA-CASE-XGS-03502] c 10 N71-20852
Polarization diversity monopulse tracking receiver Patent
[NASA-CASE-XGS-03501] c 09 N71-20864
System for recording and reproducing pulse code modulated data Patent
[NASA-CASE-XGS-01021] c 08 N71-21042
Satellite appendage tie down cord Patent
[NASA-CASE-XGS-02554] c 31 N71-21064
Reaction wheel scanner Patent
[NASA-CASE-XGS-02629] c 14 N71-21082
Nonmagnetic, explosive actuated indexing device Patent
[NASA-CASE-XGS-02422] c 15 N71-21529
Bidirectional step torque filter with zero backlash characteristic Patent
[NASA-CASE-XGS-04227] c 15 N71-21744
Conforming polisher for aspheric surface of revolution Patent
[NASA-CASE-XGS-02884] c 15 N71-22705
Precision thrust gage Patent
[NASA-CASE-XGS-02319] c 14 N71-22965
Sealing device for an electrochemical cell Patent
[NASA-CASE-XGS-02630] c 03 N71-22974

Rotary bead dropper and selector for testing micrometeorite detectors Patent [NASA-CASE-XGS-03304]	c 09	N71-22988	Synchronous dc direct drive system Patent [NASA-CASE-GSC-10065-1]	c 10	N71-27136	Method and apparatus for determining the contents of contained gas samples [NASA-CASE-GSC-10903-1]	c 14	N73-12444
Moment of inertia test fixture Patent [NASA-CASE-XGS-01023]	c 14	N71-22992	Antenna array at focal plane of reflector with coupling network for beam switching Patent [NASA-CASE-GSC-10220-1]	c 07	N71-27233	System for stabilizing torque between a balloon and gondola [NASA-CASE-GSC-11077-1]	c 02	N73-13008
Fluid flow meter with comparator reference means Patent [NASA-CASE-XGS-01331]	c 14	N71-22996	Gravity gradient attitude control system Patent [NASA-CASE-GSC-10555-1]	c 21	N71-27324	Diffuse reflective coating [NASA-CASE-GSC-11214-1]	c 06	N73-13128
Foamed in place ceramic refractory insulating material Patent [NASA-CASE-XGS-02435]	c 18	N71-22998	Segmented superconducting magnet for a broadband traveling wave maser Patent [NASA-CASE-XGS-10518]	c 16	N71-28554	Data processor with conditionally supplied clock signals [NASA-CASE-GSC-10975-1]	c 08	N73-13187
Digital telemetry system Patent [NASA-CASE-XGS-01812]	c 07	N71-23001	Millimeter wave antenna system Patent Application [NASA-CASE-GSC-10949-1]	c 07	N71-28965	Apparatus for vibrational testing of articles [NASA-CASE-GSC-11302-1]	c 14	N73-13416
Bonded elastomeric seal for electrochemical cells Patent [NASA-CASE-XGS-02631]	c 03	N71-23006	Sampled data controller Patent [NASA-CASE-GSC-10554-1]	c 08	N71-29033	Method and system for ejecting fairing sections from a rocket vehicle [NASA-CASE-GSC-10590-1]	c 31	N73-14853
Apparatus providing a directive field pattern and attitude sensing of a spin stabilized satellite Patent [NASA-CASE-XGS-02607]	c 31	N71-23009	Variable digital processor including a register for shifting and rotating bits in either direction Patent [NASA-CASE-GSC-10186]	c 08	N71-33110	Plural beam antenna [NASA-CASE-GSC-11013-1]	c 09	N73-19234
Complementary regenerative switch Patent [NASA-CASE-XGS-02751]	c 09	N71-23015	Combustion products generating and metering device [NASA-CASE-GSC-11095-1]	c 14	N72-10375	Star tracking reticles and process for the production thereof [NASA-CASE-GSC-11188-2]	c 21	N73-19630
Solid state pulse generator with constant output width, for variable input width, in nanosecond range Patent [NASA-CASE-XGS-03427]	c 10	N71-23029	Analog spatial maneuver computer [NASA-CASE-GSC-10880-1]	c 08	N72-11172	Delayed simultaneous release mechanism [NASA-CASE-GSC-10814-1]	c 03	N73-20039
Sidereal frequency generator Patent [NASA-CASE-XGS-02610]	c 14	N71-23174	Helical recorder arrangement for multiple channel recording on both sides of the tape [NASA-CASE-GSC-10614-1]	c 09	N72-11224	Doppler compensation by shifting transmitted object frequency within limits [NASA-CASE-GSC-10087-4]	c 07	N73-20174
Solar cell and circuit array and process for nullifying magnetic fields Patent [NASA-CASE-XGS-03390]	c 03	N71-23187	Method and apparatus for eliminating coherent noise in a coherent energy imaging system without destroying spatial coherence [NASA-CASE-GSC-11133-1]	c 23	N72-11568	Signal-to-noise ratio determination circuit [NASA-CASE-GSC-11239-1]	c 10	N73-25241
Passive synchronized spike generator with high input impedance and low output impedance and capacitor power supply Patent [NASA-CASE-XGS-03632]	c 09	N71-23311	Position location system and method [NASA-CASE-GSC-10087-3]	c 07	N72-12080	Nutation damper [NASA-CASE-GSC-11205-1]	c 15	N73-25513
Sealed electrochemical cell provided with a flexible casing Patent [NASA-CASE-XGS-01513]	c 03	N71-23336	Facsimile video remodulation network [NASA-CASE-GSC-10185-1]	c 07	N72-12081	Low outgassing polydimethylsiloxane material and preparation thereof [NASA-CASE-GSC-11358-1]	c 06	N73-26100
Digitally controlled frequency synthesizer Patent [NASA-CASE-XGS-02317]	c 09	N71-23525	Frangible electrochemical cell [NASA-CASE-XGS-10010]	c 03	N72-15986	Method of detecting and counting bacteria in body fluids [NASA-CASE-GSC-11092-2]	c 04	N73-27052
Radio frequency coaxial high pass filter Patent [NASA-CASE-XGS-01418]	c 09	N71-23573	Caterpillar micro positioner [NASA-CASE-GSC-10780-1]	c 14	N72-16283	Protein sterilization method of firefly luciferase using reduced pressure and molecular sieves [NASA-CASE-GSC-10225-1]	c 06	N73-27086
Apparatus for phase stability determination Patent [NASA-CASE-XGS-01118]	c 10	N71-23662	Minimech self-deploying boom mechanism [NASA-CASE-GSC-10568-1]	c 15	N72-18477	Process for making RF shielded cable connector assemblies and the products formed thereby [NASA-CASE-GSC-11215-1]	c 09	N73-28083
Tape recorder Patent [NASA-CASE-XGS-08259]	c 14	N71-23698	Heated porous plug microthruster [NASA-CASE-GSC-10640-1]	c 28	N72-18766	Device for determining relative angular position between a spacecraft and a radiation emitting celestial body [NASA-CASE-GSC-11444-1]	c 14	N73-28490
Balance torquemeter Patent [NASA-CASE-XGS-01013]	c 14	N71-23725	Optimum performance spacecraft solar cell system [NASA-CASE-GSC-10669-1]	c 03	N72-20031	Fastener stretcher [NASA-CASE-GSC-11149-1]	c 15	N73-30457
Mechanical actuator Patent [NASA-CASE-XGS-04548]	c 15	N71-24045	Monostable multivibrator [NASA-CASE-GSC-10082-1]	c 10	N72-20221	Spacecraft attitude sensor [NASA-CASE-GSC-10890-1]	c 21	N73-30640
Selective plating of etched circuits without removing previous plating Patent [NASA-CASE-XGS-03120]	c 15	N71-24047	Roll alignment detector [NASA-CASE-GSC-10514-1]	c 14	N72-20379	Automatic instrument for chemical processing to detect microorganism in biological samples by measuring light reactions [NASA-CASE-GSC-11169-2]	c 05	N73-32011
Alkali metal silicate protective coating Patent [NASA-CASE-XGS-04799]	c 18	N71-24183	Cosmic dust sensor [NASA-CASE-GSC-10503-1]	c 14	N72-20381	Star tracking reticles [NASA-CASE-GSC-11188-3]	c 74	N74-20008
Strain gauge measuring techniques Patent [NASA-CASE-XGS-04478]	c 14	N71-24233	Solenoid valve including guide for armature and valve member [NASA-CASE-GSC-10607-1]	c 15	N72-20442	Radiation hardening of MOS devices by boron [NASA-CASE-GSC-11425-1]	c 76	N74-20329
Electromagnetic polarization systems and methods Patent [NASA-CASE-GSC-10021-1]	c 09	N71-24595	Fast response low power drain logic circuits [NASA-CASE-GSC-10878-1]	c 10	N72-22236	Amplitude steered array [NASA-CASE-GSC-11446-1]	c 33	N74-20860
Redundant actuating mechanism Patent [NASA-CASE-XGS-08718]	c 15	N71-24600	Trap for preventing diffusion pump backstreaming [NASA-CASE-GSC-10518-1]	c 15	N72-22489	Rotary solenoid shutter drive assembly and rotary inertia damper and stop plate assembly [NASA-CASE-GSC-11560-1]	c 33	N74-20861
Satellite communication system and method Patent [NASA-CASE-GSC-10118-1]	c 07	N71-24621	Resistance soldering apparatus [NASA-CASE-GSC-10913]	c 15	N72-22491	Ultra-stable oscillator with complementary transistors [NASA-CASE-GSC-11513-1]	c 33	N74-20862
Programmable telemetry system Patent [NASA-CASE-GSC-10131-1]	c 07	N71-24624	Optical system support apparatus [NASA-CASE-XER-07896-2]	c 23	N72-22673	High efficiency multifrequency feed [NASA-CASE-GSC-11909]	c 32	N74-20863
Coulometer and third electrode battery charging circuit Patent [NASA-CASE-GSC-10487-1]	c 03	N71-24719	SCR lamp driver [NASA-CASE-GSC-10221-1]	c 09	N72-23171	Turnstile slot antenna [NASA-CASE-GSC-11428-1]	c 32	N74-20864
Electronic scanning of 2-channel monopulse patterns Patent [NASA-CASE-GSC-10299-1]	c 09	N71-24804	Potassium silicate zinc coatings [NASA-CASE-GSC-10361-1]	c 18	N72-23581	Method and apparatus for checking fire detectors [NASA-CASE-GSC-11600-1]	c 35	N74-21019
Annular slit collimator Patent [NASA-CASE-GSC-10709-1]	c 28	N71-25213	Synchronous orbit battery cycler [NASA-CASE-GSC-11211-1]	c 03	N72-25020	Long range laser traversing system [NASA-CASE-GSC-11262-1]	c 36	N74-21091
Voltage to frequency converter Patent [NASA-CASE-GSC-10022-1]	c 10	N71-25882	Flavin coenzyme assay [NASA-CASE-GSC-10565-1]	c 06	N72-25149	Method and apparatus for optically monitoring the angular position of a rotating mirror [NASA-CASE-GSC-11353-1]	c 74	N74-21304
Direct current motor with stationary armature and field Patent [NASA-CASE-XGS-05290]	c 09	N71-25999	Location identification system [NASA-CASE-ERC-10324]	c 07	N72-25173	Image tube [NASA-CASE-GSC-11602-1]	c 33	N74-21850
Buck boost voltage regulation circuit Patent [NASA-CASE-XGS-10735-1]	c 10	N71-26085	A dc to ac to dc converter having transistor synchronous rectifiers [NASA-CASE-GSC-11126-1]	c 09	N72-25253	Apparatus for controlling the temperature of balloon-borne equipment [NASA-CASE-GSC-11620-1]	c 34	N74-23039
Adaptive system and method for signal generation Patent [NASA-CASE-GSC-11367]	c 10	N71-26374	Tungsten contacts on silicon substrates [NASA-CASE-GSC-10695-1]	c 09	N72-25259	Coaxial anode wire for gas radiation counters [NASA-CASE-GSC-11492-1]	c 35	N74-26949
Control apparatus for applying pulses of selectively predetermined duration to a sequence of loads Patent [NASA-CASE-XGS-04224]	c 10	N71-26418	Bacterial contamination monitor [NASA-CASE-GSC-10879-1]	c 14	N72-25413	Arterial pulse wave pressure transducer [NASA-CASE-GSC-11531-1]	c 52	N74-27566
Turn on transient limiter Patent [NASA-CASE-GSC-10413]	c 10	N71-26531	Honeycomb panels formed of minimal surface periodic tubule layers [NASA-CASE-ERC-10364]	c 18	N72-25540	Heat flow calorimeter [NASA-CASE-GSC-11434-1]	c 34	N74-27859
Voltage regulator with plural parallel power source sections Patent [NASA-CASE-GSC-10891-1]	c 10	N71-26626	Honeycomb core structures of minimal surface tubule sections [NASA-CASE-ERC-10363]	c 18	N72-25541			
Method for generating ultra-precise angles Patent [NASA-CASE-XGS-04173]	c 19	N71-26674	Gunn-type solid state devices [NASA-CASE-XER-07895]	c 26	N72-25679			
Resettable monostable pulse generator Patent [NASA-CASE-GSC-11139]	c 09	N71-27016	Use of unilluminated solar cells as shunt diodes for a solar array [NASA-CASE-GSC-10344-1]	c 03	N72-27053			
Micro-pound extended range thrust stand Patent [NASA-CASE-GSC-10710-1]	c 28	N71-27094	Active tuned circuit [NASA-CASE-GSC-11340-1]	c 10	N72-33230			
			Electric motive machine including magnetic bearing [NASA-CASE-XGS-07805]	c 15	N72-33476			
			Cosmic dust or other similar outer space particles impact location detector [NASA-CASE-GSC-11291-1]	c 25	N72-33696			

Air conditioning system and component therefore distributing air flow from opposite directions
[NASA-CASE-GSC-11445-1] c 31 N74-27902

Passive dual spin misalignment compensators
[NASA-CASE-GSC-11479-1] c 35 N74-28097

Star scanner
[NASA-CASE-GSC-11569-1] c 89 N74-30886

Millimeter wave pumped parametric amplifier
[NASA-CASE-GSC-11617-1] c 33 N74-32660

Structural heat pipe
[NASA-CASE-GSC-11619-1] c 34 N75-12222

Remote platform power conserving system
[NASA-CASE-GSC-11182-1] c 15 N75-13007

Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
[NASA-CASE-GSC-11577-1] c 37 N75-15992

Magnetic bearing
[NASA-CASE-GSC-11079-1] c 37 N75-18574

Dish antenna having switchable beamwidth
[NASA-CASE-GSC-11760-1] c 33 N75-19516

X-Y alphanumeric character generator for oscilloscopes
[NASA-CASE-GSC-11582-1] c 33 N75-19517

Controllable high voltage source having fast settling time
[NASA-CASE-GSC-11844-1] c 33 N75-19522

Dually mode locked Nd YAG laser
[NASA-CASE-GSC-11746-1] c 36 N75-19654

Self-regulating proportionally controlled heating apparatus and technique
[NASA-CASE-GSC-11752-1] c 77 N75-20140

Low speed phaselock speed control system
[NASA-CASE-GSC-11127-1] c 09 N75-24758

Modulator for tone and binary signals
[NASA-CASE-GSC-11743-1] c 32 N75-24981

Digital phase-locked loop
[NASA-CASE-GSC-11623-1] c 33 N75-25040

Radiation hardening of MOS devices by boron
[NASA-CASE-GSC-11425-2] c 76 N75-25730

Correlation type phase detector
[NASA-CASE-GSC-11744-1] c 33 N75-26243

Process for making sheets with parallel pores of uniform size
[NASA-CASE-GSC-10984-1] c 37 N75-26371

Impact position detector for outer space particles
[NASA-CASE-GSC-11829-1] c 35 N75-27331

Single frequency, two feed dish antenna having switchable beamwidth
[NASA-CASE-GSC-11968-1] c 32 N76-15329

Micrometeoroid velocity and trajectory analyzer
[NASA-CASE-GSC-11892-1] c 35 N76-15433

Atomic standard with variable storage volume
[NASA-CASE-GSC-11895-1] c 35 N76-15436

High voltage distributor
[NASA-CASE-GSC-11849-1] c 33 N76-16332

Moving particle composition analyzer
[NASA-CASE-GSC-11889-1] c 35 N76-16393

Variable beamwidth antenna
[NASA-CASE-GSC-11862-1] c 32 N76-18295

Automatic character skew and spacing checking network
[NASA-CASE-GSC-11925-1] c 33 N76-18353

Axially and radially controllable magnetic bearing
[NASA-CASE-GSC-11551-1] c 37 N76-18459

Apparatus for simulating optical transmission links
[NASA-CASE-GSC-11877-1] c 74 N76-18913

Telemetry synchronizer
[NASA-CASE-GSC-11868-1] c 17 N76-22245

Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-1] c 54 N76-22914

Ultraviolet light reflective coating
[NASA-CASE-GSC-11786-1] c 24 N76-24363

Switchable beamwidth monopulse method and system
[NASA-CASE-GSC-11924-1] c 33 N76-27472

Fabrication of polycrystalline solar cells on low-cost substrates
[NASA-CASE-GSC-12022-1] c 44 N76-28635

Method of detecting and counting bacteria
[NASA-CASE-GSC-11917-2] c 51 N76-29891

Polarization compensator for optical communications
[NASA-CASE-GSC-11782-1] c 74 N76-30053

Static coefficient test method and apparatus
[NASA-CASE-GSC-11893-1] c 35 N76-31489

Digital plus analog output encoder
[NASA-CASE-GSC-12115-1] c 62 N76-31946

Method and apparatus for neutralizing potentials induced on spacecraft surfaces
[NASA-CASE-GSC-11963-1] c 33 N77-10429

Inrush current limiter
[NASA-CASE-GSC-11789-1] c 33 N77-14333

Linear phase demodulator including a phase locked loop with auxiliary feedback loop
[NASA-CASE-GSC-12018-1] c 33 N77-14334

Reel safety brake
[NASA-CASE-GSC-11960-1] c 37 N77-14479

Two-dimensional radiant energy array computers and computing devices
[NASA-CASE-GSC-11839-1] c 60 N77-14751

Magnetic bearing system
[NASA-CASE-GSC-11978-1] c 37 N77-17464

Method and apparatus for measuring web material wound on a reel
[NASA-CASE-GSC-11902-1] c 38 N77-17495

Cyclical bi-directional rotary actuator
[NASA-CASE-GSC-11883-1] c 37 N77-19458

The 2 deg/90 deg laboratory scattering photometer
[NASA-CASE-GSC-12088-1] c 74 N78-13874

Transformer regulated self-stabilizing chopper
[NASA-CASE-GSC-09186] c 33 N78-17295

Shunt regulation electric power system
[NASA-CASE-GSC-10135] c 33 N78-17296

Binary to binary coded decimal converter
[NASA-CASE-GSC-12044-1] c 60 N78-17691

Magnifying image intensifier
[NASA-CASE-GSC-12010-1] c 74 N78-18905

Energy storage apparatus
[NASA-CASE-GSC-12030-1] c 44 N78-24608

Process for utilizing low-cost graphite substrates for polycrystalline solar cells
[NASA-CASE-GSC-12022-2] c 44 N78-24609

Actuator mechanism
[NASA-CASE-GSC-11883-2] c 37 N78-31426

Quadrature demodulation
[NASA-CASE-GSC-12137-1] c 33 N78-32338

Logarithmic circuit with wide dynamic range
[NASA-CASE-GSC-12145-1] c 33 N78-32339

Wide power range microwave feedback controller
[NASA-CASE-GSC-12146-1] c 33 N78-32340

Method and apparatus for splitting a beam of energy
[NASA-CASE-GSC-12083-1] c 73 N78-32848

Time domain phase measuring apparatus
[NASA-CASE-GSC-12228-1] c 33 N79-10338

System for and method of freezing biological tissue
[NASA-CASE-GSC-12173-1] c 51 N79-10694

Systems and methods for determining radio frequency interference
[NASA-CASE-GSC-12150-1] c 32 N79-11265

Complementary DMOS-VMOS integrated circuit structure
[NASA-CASE-GSC-12190-1] c 33 N79-12321

Electrically conductive thermal control coatings
[NASA-CASE-GSC-12207-1] c 24 N79-14156

External bulb variable volume maser
[NASA-CASE-GSC-12334-1] c 36 N79-14362

Determination of antimicrobial susceptibilities on infected unnes without isolation
[NASA-CASE-GSC-12046-1] c 52 N79-14750

Partial polarizer filter
[NASA-CASE-GSC-12225-1] c 74 N79-14891

Thermal compensator for closed-cycle helium refrigerator
[NASA-CASE-GSC-12168-1] c 31 N79-17029

Solar cell module assembly jig
[NASA-CASE-GSC-00829-1] c 44 N79-19447

System for synchronizing synthesizers of communication systems
[NASA-CASE-GSC-12148-1] c 32 N79-20296

Rotary electric device
[NASA-CASE-GSC-12138-1] c 33 N79-20314

Low intensity X-ray and gamma-ray imaging device
[NASA-CASE-GSC-12263-1] c 74 N79-20857

Inductorless narrow-band filter/amplifier
[NASA-CASE-GSC-12410-1] c 33 N79-24260

Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
[NASA-CASE-GSC-11577-3] c 24 N79-25143

Microwave dichroic plate
[NASA-CASE-GSC-12171-1] c 33 N79-28416

Shock isolator for operating a diode laser on a closed-cycle refrigerator
[NASA-CASE-GSC-12297-1] c 37 N79-28549

Toggle mechanism for pinching metal tubes
[NASA-CASE-GSC-12274-1] c 37 N79-28550

Alkali-metal silicate binders and methods of manufacture
[NASA-CASE-GSC-12303-1] c 24 N79-31347

Thermal control canister
[NASA-CASE-GSC-12253-1] c 34 N79-31523

Wedge immersed thermistor bolometers
[NASA-CASE-GSC-01245-1] c 35 N79-33449

Bakeable McLeod gauge
[NASA-CASE-GSC-01293-1] c 35 N79-33450

Fluid pressure balanced seal
[NASA-CASE-GSC-01286-1] c 37 N79-33469

Antenna deployment mechanism for use with a spacecraft
[NASA-CASE-GSC-12331-1] c 18 N80-14183

Laser apparatus
[NASA-CASE-GSC-12237-1] c 36 N80-14384

Coupling device for moving vehicles
[NASA-CASE-GSC-12322-1] c 37 N80-14398

Voltage feed through apparatus having reduced partial discharge
[NASA-CASE-GSC-12347-1] c 33 N80-18286

Distributed-switch Dicke radiometers
[NASA-CASE-GSC-12219-1] c 35 N80-18359

Method and apparatus for slicing crystals
[NASA-CASE-GSC-12291-1] c 76 N80-18951

Diffraction grating configuration for X-ray and ultraviolet focusing
[NASA-CASE-GSC-12357-1] c 74 N80-21140

Active nutation controller
[NASA-CASE-GSC-12273-1] c 35 N80-21719

Memory-based parallel data output controller
[NASA-CASE-GSC-12447-1] c 60 N80-21987

Method and apparatus for holding two separate metal pieces together for welding
[NASA-CASE-GSC-12318-1] c 37 N80-23655

Method of forming a sharp edge on an optical device
[NASA-CASE-GSC-12348-1] c 74 N80-24149

JFET oscillator
[NASA-CASE-GSC-12555-1] c 33 N80-26601

Scannable beam forming interferometer antenna array system
[NASA-CASE-GSC-12365-1] c 32 N80-28578

Apparatus for supplying conditioned air at a substantially constant temperature and humidity
[NASA-CASE-GSC-12191-1] c 31 N80-32583

Belt for transmitting power from a cogged driving member to a cogged driven member
[NASA-CASE-GSC-12289-1] c 37 N80-32717

Off-axis coherently pumped laser
[NASA-CASE-GSC-12592-1] c 36 N81-12407

System for a displaying at a remote station data generated at a central station and for powering the remote station from the central station
[NASA-CASE-GSC-12411-1] c 33 N81-14221

Device for coupling a first vehicle to a second vehicle
[NASA-CASE-GSC-12429-1] c 37 N81-14320

Linear magnetic bearings
[NASA-CASE-GSC-12582-1] c 37 N81-16469

Holding fixture for a hot stamping press
[NASA-CASE-GSC-12619-1] c 37 N81-16470

Safety shield for vacuum/pressure chamber viewing port
[NASA-CASE-GSC-12513-1] c 31 N81-19343

Buck/boost regulator
[NASA-CASE-GSC-12360-1] c 33 N81-19392

Geodetic distance measuring apparatus
[NASA-CASE-GSC-12609-1] c 36 N81-22344

Apparatus for and method of compensating dynamic unbalance
[NASA-CASE-GSC-12550-1] c 37 N81-22358

Unidirectional flexural pivot
[NASA-CASE-GSC-12622-1] c 37 N81-22359

Fluorescent radiation converter
[NASA-CASE-GSC-12528-1] c 74 N81-24900

Portable appliance security apparatus
[NASA-CASE-GSC-12399-1] c 33 N81-25299

Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-2] c 52 N81-25661

Navigation system and method
[NASA-CASE-GSC-12508-1] c 04 N81-26085

Method of making V-MOS field effect transistors utilizing a two-step anisotropic etching and ion implantation
[NASA-CASE-GSC-12515-1] c 33 N81-26360

Apparatus and method for determining the position of a radiant energy source
[NASA-CASE-GSC-12147-1] c 32 N81-27341

Interleaving device
[NASA-CASE-GSC-12111-2] c 33 N81-29342

High stability buffered phase comparator
[NASA-CASE-GSC-12645-1] c 33 N81-31482

Time delay and integration detectors using charge transfer devices
[NASA-CASE-GSC-12324-1] c 33 N81-33403

Tuned analog network
[NASA-CASE-GSC-12650-1] c 33 N82-10324

Real-time 3D X-ray and gamma-ray viewer
[NASA-CASE-GSC-12640-1] c 74 N82-10862

Stirling cycle cryogenic cooler
[NASA-CASE-GSC-12697-1] c 31 N82-11312

Low noise tuned amplifier
[NASA-CASE-GSC-12567-1] c 33 N82-11359

Scanner
[NASA-CASE-GSC-12032-2] c 43 N82-13465

Microwave switching power divider
[NASA-CASE-GSC-12420-1] c 33 N82-16340

Laser measuring system for incremental assemblies
[NASA-CASE-GSC-12321-1] c 36 N82-16396

Memory-based frame synchronizer
[NASA-CASE-GSC-12430-1] c 60 N82-16747

Low thrust monopropellant engine
[NASA-CASE-GSC-12194-2] c 20 N82-18314

Microwave field effect transistor
[NASA-CASE-GSC-12442-1] c 33 N82-20398

Cervix-to-rectum measuring device in a radiation applicator for use in the treatment of cervical cancer [NASA-CASE-GSC-12081-2] c 52 N82-22875

Automatic thermal switch [NASA-CASE-GSC-12415-1] c 33 N82-24419

Linear magnetic motor/generator [NASA-CASE-GSC-12518-1] c 33 N82-24421

Non-contacting power transfer device [NASA-CASE-GSC-12595-1] c 33 N82-24422

Inorganic spark chamber frame and method of making the same [NASA-CASE-GSC-12354-1] c 35 N82-24471

Laser resonator [NASA-CASE-GSC-12565-1] c 36 N82-24485

Process of treating cellulosic membrane and alkaline with membrane separator [NASA-CASE-GSC-10019-1] c 44 N82-24641

Separator for alkaline batteries and method of making same [NASA-CASE-GSC-10350-1] c 44 N82-24642

Separator for alkaline electric cells and method of making [NASA-CASE-GSC-10017-1] c 44 N82-24643

Separator for alkaline electric batteries and method of making [NASA-CASE-GSC-10018-1] c 44 N82-24644

Alkaline electrochemical cells and method of making [NASA-CASE-GSC-10349-1] c 44 N82-24645

Imaging X-ray spectrometer [NASA-CASE-GSC-12682-1] c 35 N82-26629

Apparatus for disintegrating kidney stones [NASA-CASE-GSC-12652-1] c 52 N82-26961

Aqueous alkali metal hydroxide insoluble cellulose ether membrane [NASA-CASE-XGS-05584-1] c 25 N82-29370

Method of an apparatus for measuring temperature and pressure [NASA-CASE-GSC-12558-1] c 35 N82-29580

Workpiece positioning vise [NASA-CASE-GSC-12762-1] c 37 N82-29604

Implantable electrical device [NASA-CASE-GSC-12560-1] c 52 N82-29863

Dual aperture multispectral Schmidt objective [NASA-CASE-GSC-12756-1] c 74 N82-30073

Low intensity X-ray and gamma-ray spectrometer [NASA-CASE-GSC-12587-1] c 35 N82-32659

Crystal cleaving machine [NASA-CASE-GSC-12584-1] c 37 N82-32730

Multiplex collimator [NASA-CASE-GSC-12608-1] c 74 N83-10900

Reciprocating linear motor [NASA-CASE-GSC-12773-1] c 33 N83-12332

Reactanceless bandpass amplifier [NASA-CASE-GSC-12788-1] c 33 N83-12333

Thermal control system [NASA-CASE-GSC-12771-1] c 34 N83-12361

Tool for releasing optical elements [NASA-CASE-GSC-12794-1] c 37 N83-12434

Integrated photo-responsive metal oxide semiconductor circuit [NASA-CASE-GSC-12782-1] c 33 N83-13360

Procedure for internally mounting strain gauges [NASA-CASE-GSC-12824-1] c 35 N83-13424

Portable pallet weight apparatus [NASA-CASE-GSC-12789-1] c 35 N83-13425

Linear magnetic bearings [NASA-CASE-GSC-12582-2] c 37 N83-13460

Optical distance measuring instrument [NASA-CASE-12761-1] c 74 N83-13982

Cerenkov radiator material and charged particle detection process [NASA-CASE-GSC-12805-1] c 72 N83-18423

The 3-dimensional and tomographic imaging device for X-ray and gamma-ray emitting objects [NASA-CASE-GSC-12851-1] c 35 N83-20083

Temperature averaging thermal probe [NASA-CASE-GSC-12795-1] c 35 N83-20085

Magnetically actuated compressor [NASA-CASE-GSC-12799-1] c 37 N83-20153

Method and apparatus for mapping the distribution of chemical elements in an extended medium [NASA-CASE-GSC-12808-1] c 45 N83-20446

Massively parallel processor computer [NASA-CASE-GSC-12223-1] c 60 N83-25378

Variable speed drive [NASA-CASE-GSC-12643-1] c 37 N83-26078

Method for milling and drilling glass [NASA-CASE-GSC-12636-1] c 31 N83-27058

Rapid, quantitative determination of bacteria in water [NASA-CASE-GSC-12158-1] c 51 N83-27569

Method of damping nutation motion with minimum spin axis attitude disturbance [NASA-CASE-GSC-12551-1] c 18 N83-28064

Automatic thermal switch [NASA-CASE-GSC-12553-1] c 34 N83-28356

Memory-based parallel data output controller [NASA-CASE-GSC-12447-2] c 17 N83-29302

Cooling by conversion of para to ortho-hydrogen [NASA-CASE-GSC-12770-1] c 25 N83-29324

High voltage isolation transformer [NASA-CASE-GSC-12817-1] c 33 N83-29590

High voltage power supply [NASA-CASE-GSC-12818-1] c 33 N83-29594

Geodetic distance measuring apparatus [NASA-CASE-GSC-12609-2] c 36 N83-29681

GaAs Schottky barrier photo-responsive device and method of fabrication [NASA-CASE-GSC-12816-1] c 76 N83-30268

Linear magnetic bearing [NASA-CASE-GSC-12517-1] c 37 N83-32067

Interferometric angle monitor [NASA-CASE-GSC-12614-1] c 74 N83-32577

Method of neutralizing the corrosive surface of amine-cured epoxy resins [NASA-CASE-GSC-12686-1] c 27 N83-34039

Active lamp pulse driver circuit [NASA-CASE-GSC-12566-1] c 33 N83-34189

High stability amplifier [NASA-CASE-GSC-12646-1] c 33 N83-34191

Magnetic bearing and motor [NASA-CASE-GSC-12726-1] c 37 N83-34323

Automatic oscillator frequency control system [NASA-CASE-GSC-12804-1] c 33 N83-35228

Heat pipe thermal switch [NASA-CASE-12812-1] c 34 N83-35307

Focal axis resolver for offset reflector antennas [NASA-CASE-GSC-12630-1] c 33 N83-36355

High speed multi focal plane optical system [NASA-CASE-GSC-12683-1] c 74 N83-36898

National Aeronautics and Space Administration, Lyndon B. Johnson Space Center, Houston, Tex.

Coupling device [NASA-CASE-XMS-07846-1] c 09 N69-21927

Flow test device [NASA-CASE-XMS-04917] c 14 N69-24257

Visual target for retrofitter attitude control [NASA-CASE-XMS-12158-1] c 31 N69-27499

System for monitoring signal amplitude ranges [NASA-CASE-XMS-04061-1] c 09 N69-39885

Amplifier drift tester [NASA-CASE-XMS-05562-1] c 09 N69-39986

System for improving signal-to-noise ratio of a communication signal Patent Application [NASA-CASE-MSC-12259-1] c 07 N70-12616

Two-step rocket engine bipropellant valve Patent [NASA-CASE-XMS-04890-1] c 15 N70-22192

Heat shield Patent [NASA-CASE-XMS-00486] c 33 N70-33344

Life raft Patent [NASA-CASE-XMS-00863] c 05 N70-34857

Shock absorbing support and restraint means Patent [NASA-CASE-XMS-01240] c 05 N70-35152

Energy absorbing structure Patent Application [NASA-CASE-MSC-12279-1] c 15 N70-35679

Bonded solid lubricant coating Patent [NASA-CASE-XMS-00259] c 18 N70-36400

Life preserver Patent [NASA-CASE-XMS-00864] c 05 N70-36493

Resuscitation apparatus Patent [NASA-CASE-XMS-01115] c 05 N70-39922

Inflatable radar reflector unit Patent [NASA-CASE-XMS-00893] c 07 N70-40063

Measuring device Patent [NASA-CASE-XMS-01546] c 14 N70-40233

Liquid-gas separator for zero gravity environment Patent [NASA-CASE-XMS-01492] c 05 N70-41297

Instrument for use in performing a controlled Valsalva maneuver Patent [NASA-CASE-XMS-01615] c 05 N70-41329

Radial module space station Patent [NASA-CASE-XMS-01906] c 31 N70-41373

Hypersonic reentry vehicle Patent [NASA-CASE-XMS-04142] c 31 N70-41631

Angular accelerometer Patent [NASA-CASE-XMS-05936] c 14 N70-41682

Indexed keyed connection Patent [NASA-CASE-XMS-02532] c 15 N70-41808

Discrete local altitude sensing device Patent [NASA-CASE-XMS-03792] c 14 N70-41812

Cryogenic storage system Patent [NASA-CASE-XMS-04390] c 31 N70-41871

Mass measuring system Patent [NASA-CASE-XMS-03371] c 05 N70-42000

Line cutter Patent [NASA-CASE-XMS-04072] c 15 N70-42017

Transpirationally cooled heat ablation system Patent [NASA-CASE-XMS-02677] c 31 N70-42075

Voltage-current characteristic simulator Patent [NASA-CASE-XMS-01554] c 10 N71-10578

Training vehicle for controlling attitude Patent [NASA-CASE-XMS-02977] c 11 N71-10746

Gravity stabilized flying vehicle Patent [NASA-CASE-MSC-12111-1] c 02 N71-11039

Helmet assembly and latch means therefor Patent [NASA-CASE-XMS-04935] c 05 N71-11190

Pressure suit tie-down mechanism Patent [NASA-CASE-XMS-00784] c 05 N71-12335

Hand-held self-manuevering unit Patent [NASA-CASE-XMS-05304] c 05 N71-12336

Pressure garment joint Patent [NASA-CASE-XMS-09636] c 05 N71-12344

Emergency escape system Patent [NASA-CASE-MSC-12086-1] c 05 N71-12345

Dynamic Doppler simulator Patent [NASA-CASE-XMS-05454-1] c 07 N71-12391

Electrical load protection device Patent [NASA-CASE-MSC-12135-1] c 09 N71-12526

High voltage pulse generator Patent [NASA-CASE-MSC-12178-1] c 09 N71-13518

Process for conditioning tanned sharkskin and articles made therefrom Patent [NASA-CASE-XMS-09691-1] c 18 N71-15545

Ablation structures Patent [NASA-CASE-XMS-01816] c 33 N71-15623

Fluid power transmission Patent [NASA-CASE-XMS-01445] c 12 N71-16031

Spacecraft radiator cover Patent [NASA-CASE-MSC-12049] c 31 N71-16080

Method of improving heat transfer characteristics in a nucleate boiling process Patent [NASA-CASE-XMS-04268] c 33 N71-16277

Heated element fluid flow sensor Patent [NASA-CASE-MSC-12084-1] c 12 N71-17569

Biological isolation garment Patent [NASA-CASE-MSC-12206-1] c 05 N71-17599

Metal valve pinile with encapsulated elastomeric body Patent [NASA-CASE-MSC-12116-1] c 15 N71-17648

Method for forming plastic materials Patent [NASA-CASE-XMS-05516] c 15 N71-17803

Flexible blade antenna Patent [NASA-CASE-MSC-12101] c 09 N71-18720

Space suit heat exchanger Patent [NASA-CASE-XMS-09571] c 05 N71-19439

Light intensity modulator controller Patent [NASA-CASE-XMS-04300] c 09 N71-19479

Solar optical telescope dome control system Patent [NASA-CASE-MSC-10968] c 14 N71-19568

Subgravity simulator Patent [NASA-CASE-XMS-04798] c 11 N71-21474

Shock absorber Patent [NASA-CASE-XMS-03722] c 15 N71-21530

Apparatus for machining geometric cones Patent [NASA-CASE-XMS-04292] c 15 N71-22722

Rescue litter flotation assembly Patent [NASA-CASE-XMS-04170] c 05 N71-22748

Aligning and positioning device Patent [NASA-CASE-XMS-04178] c 15 N71-22798

Tension measurement device Patent [NASA-CASE-XMS-04545] c 15 N71-22878

Amplitude modulated laser transmitter Patent [NASA-CASE-XMS-04269] c 16 N71-22895

Digital cardiostomometer system Patent [NASA-CASE-XMS-02399] c 05 N71-22896

Phonocardiograph transducer Patent [NASA-CASE-XMS-05365] c 14 N71-22993

Multiple environment materials test chamber having a multiple port X-ray tube for irradiating a plurality of samples Patent [NASA-CASE-XMS-02930] c 11 N71-23042

Soft frame adjustable eyeglasses Patent [NASA-CASE-XMS-06064] c 05 N71-23096

Blood pressure measuring system for separating and separately recording dc signal and an ac signal Patent [NASA-CASE-XMS-06061] c 05 N71-23317

Signal ratio system utilizing voltage controlled oscillators Patent [NASA-CASE-XMF-04367] c 09 N71-23545

Winch having cable position and load indicators Patent [NASA-CASE-MSC-12052-1] c 15 N71-24599

Radar antenna system for acquisition and tracking Patent [NASA-CASE-XMS-09610] c 07 N71-24625

Extravehicular tunnel suit system Patent [NASA-CASE-MSC-12243-1] c 05 N71-24728

Broadband modified turnstile antenna Patent [NASA-CASE-MSC-12209] c 09 N71-24842

Quick release hook tape Patent [NASA-CASE-XMS-10660-1] c 15 N71-25975

Plated electrodes Patent [NASA-CASE-XMS-04213-1] c 09 N71-26002

Audio signal processor Patent [NASA-CASE-MSC-12223-1] c 07 N71-26181

C-22

- Phased array antenna control
[NASA-CASE-MSC-14939-1] c 32 N79-11264
- Apparatus and method for stabilized phase detection for binary signal tracking loops
[NASA-CASE-MSC-16461-1] c 33 N79-11313
- Positive isolation disconnect
[NASA-CASE-MSC-16043-1] c 37 N79-11402
- Thermal insulation attaching means
[NASA-CASE-MSC-12619-2] c 27 N79-12221
- Lightweight electrically-powered flexible thermal laminate
[NASA-CASE-MSC-12662-1] c 33 N79-12331
- Simultaneous treatment of SO₂ containing stack gases and waste water
[NASA-CASE-MSC-16258-1] c 45 N79-12584
- Length mode piezoelectric ultrasonic transducer for inspection of solid objects
[NASA-CASE-MSC-19672-1] c 38 N79-14398
- Interactive color display for multispectral imagery using correlation clustering
[NASA-CASE-MSC-16253-1] c 32 N79-20297
- Sequencing device utilizing planetary gear set
[NASA-CASE-MSC-19514-1] c 37 N79-20377
- Water separator
[NASA-CASE-XMS-01295-1] c 37 N79-21345
- Metabolic rate meter and method
[NASA-CASE-MSC-12239-1] c 52 N79-21750
- Diced tile thermal protection for spacecraft
[NASA-CASE-MSC-16366-1] c 24 N79-23142
- Fluid sample collection and distribution system
[NASA-CASE-MSC-16841-1] c 34 N79-24285
- Thermal insulation protection means
[NASA-CASE-MSC-12737-1] c 24 N79-25142
- System for automatically switching transformer coupled lines
[NASA-CASE-MSC-16697-1] c 33 N79-28415
- Fused switch
[NASA-CASE-XMS-01244-1] c 33 N79-33393
- Chassis unit insert tightening-extract device
[NASA-CASE-XMS-01077-1] c 37 N79-33467
- Compound oxidized styrylphosphine
[NASA-CASE-MSC-14903-3] c 27 N80-10358
- Portable breathing system
[NASA-CASE-MSC-16182-1] c 54 N80-10799
- Method and apparatus for eliminating luminol interference material
[NASA-CASE-MSC-16260-1] c 51 N80-16714
- Pressure limiting propellant actuating system
[NASA-CASE-MSC-18179-1] c 20 N80-18097
- Method of forming dynamic membrane on stainless steel support
[NASA-CASE-MSC-18172-1] c 26 N80-19237
- Floating nut retention system
[NASA-CASE-MSC-16938-1] c 37 N80-23653
- Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MSC-14903-3] c 27 N80-24438
- Vitro-violet process for producing flame resistant polyamides and products produced thereby
[NASA-CASE-MSC-16074-1] c 27 N80-26446
- Method and automated apparatus for detecting coliform organisms
[NASA-CASE-MSC-16777-1] c 51 N80-27067
- Multiple band circularly polarized microstrip antenna
[NASA-CASE-MSC-18334-1] c 32 N80-32604
- Multispectral scanner optical system
[NASA-CASE-MSC-18255-1] c 74 N80-33210
- Surface finishing
[NASA-CASE-MSC-12631-3] c 27 N81-14077
- Coaxial phased array antenna
[NASA-CASE-MSC-16800-1] c 32 N81-14187
- Installing fiber insulation
[NASA-CASE-MSC-16973-1] c 37 N81-14317
- Pseudonoise code tracking loop
[NASA-CASE-MSC-18035-1] c 32 N81-15179
- Thermal barrier pressure seal
[NASA-CASE-MSC-18134-1] c 37 N81-15363
- Receiving and tracking phase modulated signals
[NASA-CASE-MSC-16170-2] c 32 N81-16338
- Digital numerically controlled oscillator
[NASA-CASE-MSC-16747-1] c 33 N81-17349
- Self-calibrating threshold detector
[NASA-CASE-MSC-16370-1] c 35 N81-19427
- Cell and method for electrolysis of water and anode
[NASA-CASE-MSC-16394-1] c 28 N81-24280
- Urine collection device
[NASA-CASE-MSC-16433-1] c 52 N81-24711
- Apparatus for fiber optic liquid level sensing
[NASA-CASE-MSC-18674-1] c 74 N81-24907
- Method for applying photographic resists to otherwise incompatible substrates
[NASA-CASE-MSC-18107-1] c 27 N81-25209
- Structural members, method and apparatus
[NASA-CASE-MSC-16217-1] c 31 N81-27323
- Shielded conductor cable system
[NASA-CASE-MSC-12745-1] c 33 N81-27397
- Urine collection apparatus
[NASA-CASE-MSC-18381-1] c 52 N81-28740
- Doppler radar having phase modulation of both transmitted and reflected return signals
[NASA-CASE-MSC-18675-1] c 32 N81-29312
- Reciprocating engines
[NASA-CASE-MSC-16239-1] c 37 N81-32510
- Cavity-backed, micro-strip dipole antenna array
[NASA-CASE-MSC-18606-1] c 32 N82-11336
- Low temperature latching solenoid
[NASA-CASE-MSC-18106-1] c 33 N82-11357
- Logic-controlled occlusive cuff system
[NASA-CASE-MSC-18436-1] c 52 N82-11770
- Electrophotolysis oxidation system for measurement of organic concentration in water
[NASA-CASE-MSC-16497-1] c 25 N82-12166
- Heat sealable, flame and abrasion resistant coated fabric
[NASA-CASE-MSC-18382-1] c 27 N82-16238
- Surface conforming thermal/pressure seal
[NASA-CASE-MSC-18422-1] c 37 N82-16408
- Heat sealable, flame and abrasion resistant coated fabric
[NASA-CASE-MSC-18382-2] c 27 N82-24344
- Direct current ballast circuit for metal halide lamp
[NASA-CASE-MSC-18407-1] c 33 N82-24427
- Precision heat forming of tetrafluoroethylene tubing
[NASA-CASE-MSC-18430-1] c 37 N82-24491
- High temperature penetrator assembly with bayonet plug and ramp-activated lock
[NASA-CASE-MSC-18526-1] c 37 N82-24494
- A method and technique for installing light-weight fragile, high-temperature fiber insulation
[NASA-CASE-MSC-18934-3] c 24 N82-26387
- Thermal protection system
[NASA-CASE-MSC-18796-1] c 24 N82-26389
- High temperature emittance coatings and coating compositions
[NASA-CASE-MSC-18851-1] c 27 N82-26460
- Moisture content and gas sampling device
[NASA-CASE-MSC-18866-1] c 35 N82-26634
- Open ended tubing cutters
[NASA-CASE-MSC-18538-1] c 37 N82-26672
- Reusable captive blind fastener
[NASA-CASE-MSC-18742-1] c 37 N82-26673
- Absorbent product and articles made therefrom
[NASA-CASE-MSC-18223-2] c 52 N82-26960
- Television camera video level control system
[NASA-CASE-MSC-18578-1] c 74 N82-27121
- Spiral slotted phased antenna array
[NASA-CASE-MSC-18532-1] c 32 N82-27558
- Apparatus for releasably connecting first and second objects in predetermined space relationship
[NASA-CASE-MSC-18969-1] c 15 N82-28318
- Thermal garment
[NASA-CASE-XMS-03694-1] c 54 N82-29002
- Reconfiguring redundancy management
[NASA-CASE-MSC-18498-1] c 60 N82-29013
- Absorbent product to absorb fluids
[NASA-CASE-MSC-18223-1] c 24 N82-29362
- Attachment system for silica tiles
[NASA-CASE-MSC-18741-1] c 27 N82-29456
- Optical crystal temperature gauge with fiber optic connections
[NASA-CASE-MSC-18627-1] c 74 N82-30071
- Random digital encryption secure communication system
[NASA-CASE-MSC-16462-1] c 32 N82-31583
- Connection system
[NASA-CASE-MSC-20319-1] c 37 N82-31689
- CAM controlled retractable door latch
[NASA-CASE-MSC-20304-1] c 37 N82-31690
- Reactant pressure differential control for fuel cell gases
[NASA-CASE-MSC-20127-1] c 44 N82-32843
- Dual physiological rate measurement instrument
[NASA-CASE-MSC-20078-1] c 52 N82-32971
- Heat resistant protective hand covering
[NASA-CASE-MSC-20261-1] c 54 N82-32985
- Heat resistant protective hand covering
[NASA-CASE-MSC-20261-2] c 54 N82-32986
- Densification of porous refractory substrates
[NASA-CASE-MSC-18737-1] c 24 N83-13171
- Method of repairing surface damage to porous refractory substrates
[NASA-CASE-MSC-18736-1] c 24 N83-13172
- Gas-to-hydraulic power converter
[NASA-CASE-MSC-18794-1] c 44 N83-14693
- Prestressed thermal protection systems
[NASA-CASE-MSC-20254-1] c 24 N83-17601
- Self-charging metering and dispensing device for fluids
[NASA-CASE-MSC-20275-1] c 35 N83-17856
- X-ray determination of parts alignment
[NASA-CASE-MSC-20418-1] c 37 N83-17882
- Lower body negative pressure apparatus
[NASA-CASE-MSC-20202-1] c 54 N83-18254
- High temperature silicon carbide impregnated insulating fabrics
[NASA-CASE-MSC-18832-1] c 27 N83-18908
- Kinesimetric method and apparatus
[NASA-CASE-MSC-18929-1] c 39 N83-20280
- Compression test apparatus
[NASA-CASE-MSC-18723-1] c 35 N83-21312
- Bio-medical flow sensor
[NASA-CASE-MSC-18761-1] c 52 N83-27577
- Apparatus for determining changes in limb volume
[NASA-CASE-MSC-18759-1] c 52 N83-27578
- A spillage detector for liquid chromatography systems
[NASA-CASE-MSC-20206-1] c 25 N83-29325
- Degassing and mixing apparatus for liquids
[NASA-CASE-MSC-18936-1] c 35 N83-29652
- Portable 90 deg proof loading device
[NASA-CASE-MSC-20250-1] c 37 N83-29707
- Apparatus for accurately preloading auger attachment means for frangible protective material
[NASA-CASE-MSC-18791-1] c 37 N83-36482
- Automatic compression adjusting mechanism for internal combustion engines
[NASA-CASE-MSC-18807-1] c 37 N83-36483

National Aeronautics and Space Administration. John F. Kennedy Space Center, Cocoa Beach, Fla.

Device for determining the accuracy of the flare on a flared tube

[NASA-CASE-XKS-03495] c 14 N69-39785

Quick attach and release fluid coupling assembly Patent

[NASA-CASE-XKS-01985] c 15 N71-10782

Parasitic probe antenna Patent

[NASA-CASE-XKS-09348] c 09 N71-13521

Electronic checkout system for space vehicles Patent

[NASA-CASE-XKS-08012-2] c 31 N71-15566

Apparatus for tensile testing Patent

[NASA-CASE-XKS-06250] c 14 N71-15600

Weatherproof helix antenna Patent

[NASA-CASE-XKS-08485] c 07 N71-19493

Valve seat with resilient support member Patent

[NASA-CASE-XKS-02582] c 15 N71-21234

Diode and protection fuse unit Patent

[NASA-CASE-XKS-03381] c 09 N71-22796

Optical monitor panel Patent

[NASA-CASE-XKS-03509] c 14 N71-23175

Separation simulator Patent

[NASA-CASE-XKS-04631] c 10 N71-23663

Controlled release device Patent

[NASA-CASE-XKS-03338] c 15 N71-24043

Phonocardiogram simulator Patent

[NASA-CASE-XKS-10804] c 05 N71-24606

VHF/UHF parasitic probe antenna Patent

[NASA-CASE-XKS-09340] c 07 N71-24614

BCD to decimal decoder Patent

[NASA-CASE-XKS-06167] c 08 N71-24890

Flammability test chamber Patent

[NASA-CASE-KSC-10126] c 11 N71-24985

Video sync processor Patent

[NASA-CASE-KSC-10002] c 10 N71-25865

Weld preparation machine Patent

[NASA-CASE-XKS-07953] c 15 N71-26134

Validation device for spacecraft checkout equipment Patent

[NASA-CASE-XKS-10543] c 07 N71-26292

Internal work light Patent

[NASA-CASE-XKS-05932] c 09 N71-26787

Emergency escape system Patent

[NASA-CASE-XKS-07814] c 15 N71-27067

Voltage dropout sensor Patent

[NASA-CASE-KSC-10020] c 10 N71-27338

Autoignition test cell Patent

[NASA-CASE-KSC-10198] c 11 N71-28629

Protective suit having an audio transceiver Patent

[NASA-CASE-KSC-10164] c 07 N71-33108

Ripple indicator

[NASA-CASE-KSC-10162] c 09 N72-11225

High speed photo-optical time recording

[NASA-CASE-KSC-10294] c 14 N72-18411

High speed direct binary-to-binary coded decimal converter

[NASA-CASE-KSC-10326] c 08 N72-21197

Automatic frequency control loop including synchronous switching circuits

[NASA-CASE-KSC-10393] c 09 N72-21247

Zero gravity shadow shield aligner

[NASA-CASE-KSC-10622-1] c 31 N72-21893

Universal environment package with sectional component housing

[NASA-CASE-KSC-10031] c 15 N72-22486

Buffered analog converter

[NASA-CASE-KSC-10397] c 08 N72-25206

Lamp modulator

[NASA-CASE-KSC-10565] c 09 N72-25250

Cable stabilizer for open shaft cable operated elevators				Method for repair of thin glass coatings				Gas actuated bolt disconnect Patent			
[NASA-CASE-KSC-10513]	c 15	N72-25453		[NASA-CASE-KSC-11097-1]	c 27	N82-33520		[NASA-CASE-XLA-00326]	c 03	N70-34667	
Pressurized lighting system				Sensal data correlator/code translator				Logarithmic converter Patent			
[NASA-CASE-KSC-10644]	c 09	N72-27227		[NASA-CASE-KSC-11025-1]	c 32	N83-13323		[NASA-CASE-XLA-00471]	c 08	N70-34778	
High speed direct binary to binary coded decimal converter and scaler				Fiber optic crossbar switch for automatically patching optical signals				Mandrel for shaping solid propellant rocket fuel into a motor casing Patent			
[NASA-CASE-KSC-10595]	c 08	N73-12176		[NASA-CASE-KSC-11104-1]	c 74	N83-29032		[NASA-CASE-XLA-00304]	c 27	N70-34783	
Geysening inhibitor for vertical cryogenic transfer pipe				Automatic level control circuit				Impact simulator Patent			
[NASA-CASE-KSC-10615]	c 15	N73-12486		[NASA-CASE-KSC-11170-1]	c 33	N83-36356		[NASA-CASE-XLA-00493]	c 11	N70-34786	
Electronic video editor				National Aeronautics and Space Administration.				Accelerometer with FM output Patent			
[NASA-CASE-KSC-10003]	c 10	N73-13235		Langley Research Center, Hampton, Va.				[NASA-CASE-XLA-00492]	c 14	N70-34799	
Collapsible high gain antenna				Jet shoes				Frangible tube energy dissipation Patent			
[NASA-CASE-KSC-10392]	c 07	N73-26117		[NASA-CASE-XLA-08491]	c 05	N69-21380		[NASA-CASE-XLA-00754]	c 15	N70-34850	
Floating baffle to improve efficiency of liquid transfer from tanks				Condenser - Separator				Landing arrangement for aerial vehicle Patent			
[NASA-CASE-KSC-10639]	c 15	N73-26472		[NASA-CASE-XLA-08645]	c 15	N69-21465		[NASA-CASE-XLA-00806]	c 02	N70-34858	
Zero gravity liquid transfer screen				Connector - Electrical				Method and apparatus for shock protection Patent			
[NASA-CASE-KSC-10626]	c 14	N73-27378		[NASA-CASE-XLA-01288]	c 09	N69-21470		[NASA-CASE-XLA-00482]	c 15	N70-36409	
Television multiplexing system				A support technique for vertically oriented launch vehicles				Inflatable honeycomb Patent			
[NASA-CASE-KSC-10654-1]	c 07	N73-30115		[NASA-CASE-XLA-02704]	c 11	N69-21540		[NASA-CASE-XLA-00204]	c 32	N70-36536	
Lightning tracking system				Electromagnetic mirror drive system				Thermal control of space vehicles Patent			
[NASA-CASE-KSC-10729-1]	c 09	N73-32110		[NASA-CASE-XLA-03724]	c 14	N69-27461		[NASA-CASE-XLA-01291]	c 33	N70-36617	
Rocket borne instrument to measure electric fields inside electrified clouds				Evaporant holder				Foam generator Patent			
[NASA-CASE-KSC-10730-1]	c 14	N73-32318		[NASA-CASE-XLA-03105]	c 15	N69-27483		[NASA-CASE-XLA-00838]	c 03	N70-36778	
Electric field measuring and display system				Compensating radiometer				Parachute glider Patent			
[NASA-CASE-KSC-10731-1]	c 33	N74-27862		[NASA-CASE-XLA-04556]	c 14	N69-27484		[NASA-CASE-XLA-00898]	c 02	N70-36804	
Digital servo controller				Tubular coupling having frangible connecting means				Production of high purity silicon carbide Patent			
[NASA-CASE-KSC-10769-1]	c 33	N74-29556		[NASA-CASE-XLA-02854]	c 15	N69-27490		[NASA-CASE-XLA-00158]	c 26	N70-36805	
Signal conditioner test set				Fatigue-resistant shear pin				Airplane take-off performance indicator Patent			
[NASA-CASE-KSC-10750-1]	c 35	N75-12270		[NASA-CASE-XLA-09122]	c 15	N69-27505		[NASA-CASE-XLA-00100]	c 14	N70-36807	
Variable resistance constant tension and lubrication device				Ablation sensor				Aerodynamic measuring device Patent			
[NASA-CASE-KSC-10723-1]	c 37	N75-13265		[NASA-CASE-XLA-01781]	c 14	N69-39975		[NASA-CASE-XLA-00481]	c 14	N70-36824	
Voltage monitoring system				Aeroflexible structures				Aircraft wheel spray drag alleviator Patent			
[NASA-CASE-KSC-10736-1]	c 33	N75-19521		[NASA-CASE-XLA-06095]	c 01	N69-39981		[NASA-CASE-XLA-01583]	c 02	N70-36825	
Lightning current measuring systems				Transient-compensated SCR inverter				Attitude orientation of spin-stabilized space vehicles Patent			
[NASA-CASE-KSC-10807-1]	c 33	N75-26246		[NASA-CASE-XLA-08507]	c 09	N69-39984		[NASA-CASE-XLA-00281]	c 21	N70-36943	
Dual digital video switcher				Disk pack cleaning table Patent Application				Continuously operating induction plasma accelerator Patent			
[NASA-CASE-KSC-10782-1]	c 33	N75-30431		[NASA-CASE-LAR-10590-1]	c 15	N70-26819		[NASA-CASE-XLA-01354]	c 25	N70-36946	
Compact bi-phase pulse coded modulation decoder				Folding apparatus Patent				Check valve assembly for a probe Patent			
[NASA-CASE-KSC-10834-1]	c 33	N76-14371		[NASA-CASE-XLA-00137]	c 15	N70-33180		[NASA-CASE-XLA-00128]	c 15	N70-37925	
Percutaneous connector device				Infrared scanner Patent				Space capsule Patent			
[NASA-CASE-KSC-10849-1]	c 52	N77-14738		[NASA-CASE-XLA-00120]	c 21	N70-33181		[NASA-CASE-XLA-00149]	c 31	N70-37938	
Magnetic electrical connectors for biomedical percutaneous implants				Reentry vehicle leading edge Patent				Sandwich panel construction Patent			
[NASA-CASE-KSC-11030-1]	c 52	N77-25772		[NASA-CASE-XLA-00165]	c 31	N70-33242		[NASA-CASE-XLA-00349]	c 33	N70-37979	
Rotational joint assembly for the prosthetic leg				Motion picture camera for optical pyrometry Patent				Reflector space satellite Patent			
[NASA-CASE-KSC-11004-1]	c 54	N77-30749		[NASA-CASE-XLA-00062]	c 14	N70-33254		[NASA-CASE-XLA-00138]	c 31	N70-37981	
Fiber optic multiplex optical transmission system				Variable sweep wing configuration Patent				Variable-geometry winged reentry vehicle Patent			
[NASA-CASE-KSC-11047-1]	c 74	N78-14889		[NASA-CASE-XLA-00230]	c 02	N70-33255		[NASA-CASE-XLA-00241]	c 31	N70-37986	
Microcomputerized electric field meter diagnostic and calibration system				Variable sweep wing aircraft Patent				Vehicle parachute and equipment jettison system Patent			
[NASA-CASE-KSC-11035-1]	c 35	N78-28411		[NASA-CASE-XLA-00221]	c 02	N70-33266		[NASA-CASE-XLA-00195]	c 02	N70-38009	
Ocean thermal plant				Plasma accelerator Patent				Landing arrangement for aerospace vehicle Patent			
[NASA-CASE-KSC-11034-1]	c 44	N78-32542		[NASA-CASE-XLA-00675]	c 25	N70-33267		[NASA-CASE-XLA-00805]	c 31	N70-38010	
Lightning current waveform measuring system				Survival couch Patent				Antenna system using parasitic elements and two driven elements at 90 deg angle fed 180 deg out of phase Patent			
[NASA-CASE-KSC-11018-1]	c 33	N79-10337		[NASA-CASE-XLA-00118]	c 05	N70-33285		[NASA-CASE-XLA-00414]	c 07	N70-38200	
Remote lightning monitor system				Landing arrangement for aerial vehicles Patent				Despin weight release Patent			
[NASA-CASE-KSC-11031-1]	c 33	N79-11315		[NASA-CASE-XLA-00142]	c 02	N70-33286		[NASA-CASE-XLA-00679]	c 15	N70-38601	
Illumination control apparatus for compensating solar light				Wind tunnel airstream oscillating apparatus Patent				Manned space station Patent			
[NASA-CASE-KSC-11010-1]	c 74	N79-12890		[NASA-CASE-XLA-00112]	c 11	N70-33287		[NASA-CASE-XLA-00258]	c 31	N70-38676	
Lightning current detector				Hydrofoil Patent				Missile stage separation indicator and stage initiator Patent			
[NASA-CASE-KSC-11057-1]	c 33	N79-14305		[NASA-CASE-XLA-00229]	c 12	N70-33305		[NASA-CASE-XLA-00791]	c 03	N70-39930	
Apparatus including a plurality of spaced transformers for locating short circuits in cables				High intensity heat and light unit Patent				Apparatus for producing high purity silicon carbide crystals Patent			
[NASA-CASE-KSC-10899-1]	c 33	N79-18193		[NASA-CASE-XLA-00141]	c 09	N70-33312		[NASA-CASE-XLA-02057]	c 26	N70-40015	
Digital automatic gain amplifier				Particle detection apparatus Patent				Miniature vibration isolator Patent			
[NASA-CASE-KSC-11008-1]	c 33	N79-22373		[NASA-CASE-XLA-00135]	c 14	N70-33322		[NASA-CASE-XLA-01019]	c 15	N70-40156	
Telephone multiline signaling using common signal pair				Runway light Patent				Aircraft instrument Patent			
[NASA-CASE-KSC-11023-1]	c 32	N79-23310		[NASA-CASE-XLA-00119]	c 11	N70-33329		[NASA-CASE-XLA-00487]	c 14	N70-40157	
Prosthesis coupling				Spherical solid-propellant rocket motor Patent				Radiation direction detector including means for compensating for photocell aging Patent			
[NASA-CASE-KSC-11069-1]	c 52	N79-26772		[NASA-CASE-XLA-00105]	c 28	N70-33331		[NASA-CASE-XLA-00183]	c 14	N70-40239	
Fire extinguishing apparatus having a slidable mass for a penetrator nozzle				Jet aircraft configuration Patent				Passive communication satellite Patent			
[NASA-CASE-KSC-11064-1]	c 31	N81-14137		[NASA-CASE-XLA-00087]	c 02	N70-33332		[NASA-CASE-XLA-00210]	c 30	N70-40309	
System for sterilizing objects				Aerial capsule emergency separation device Patent				Electrostatic plasma modulator for space vehicle re-entry communication Patent			
[NASA-CASE-KSC-11085-1]	c 54	N81-24724		[NASA-CASE-XLA-00115]	c 03	N70-33343		[NASA-CASE-XLA-01400]	c 07	N70-41331	
Common data buffer system				Nozzle Patent				Micrometeoroid velocity measuring device Patent			
[NASA-CASE-KSC-11048-1]	c 62	N81-24779		[NASA-CASE-XLA-00154]	c 28	N70-33374		[NASA-CASE-XLA-00495]	c 14	N70-41332	
System and method for refurbishing and processing parachutes				Air frame drag balance Patent				Method of obtaining permanent record of surface flow phenomena Patent			
[NASA-CASE-KSC-11042-2]	c 02	N81-26073		[NASA-CASE-XLA-00113]	c 14	N70-33386		[NASA-CASE-XLA-01353]	c 14	N70-41366	
Decommutator patchboard verifier				Flexible foam erectable space structures Patent				Means for communicating through a layer of ionized gases Patent			
[NASA-CASE-KSC-11065-1]	c 33	N81-26359		[NASA-CASE-XLA-00686]	c 31	N70-34135		[NASA-CASE-XLA-01127]	c 07	N70-41372	
Automatic flowmeter calibration system				Nose gear steering system for vehicle with main skids Patent				Quick release separation mechanism Patent			
[NASA-CASE-KSC-11076-1]	c 34	N81-26402		[NASA-CASE-XLA-01804]	c 02	N70-34160		[NASA-CASE-XLA-01441]	c 15	N70-41679	
Lightning discharge identification system				Surface roughness detector Patent				Flexible wing deployment device Patent			
[NASA-CASE-KSC-11099-1]	c 47	N82-24779		[NASA-CASE-XLA-00203]	c 14	N70-34161		[NASA-CASE-XLA-01220]	c 02	N70-41863	
Method for refurbishing and processing parachutes				Variable-span aircraft Patent				Self-sealing, unbonded, rocket motor nozzle closure Patent			
[NASA-CASE-KSC-11042-1]	c 09	N82-29330		[NASA-CASE-XLA-00166]	c 02	N70-34178		[NASA-CASE-XLA-02651]	c 28	N70-41967	
Inflight IFR procedures simulator				Dynamic precession damper for spin stabilized vehicles Patent							
[NASA-CASE-KSC-11218-1]	c 09	N82-29331		[NASA-CASE-XLA-01989]	c 21	N70-34295					
				Erectable modular space station Patent							
				[NASA-CASE-XLA-00678]	c 31	N70-34296					
				Electric-arc heater Patent							
				[NASA-CASE-XLA-00330]	c 33	N70-34540					
				Ac power amplifier Patent Application							
				[NASA-CASE-LAR-10218-1]	c 09	N70-34559					
				Method and apparatus for producing a plasma Patent							
				[NASA-CASE-XLA-00147]	c 25	N70-34661					

Fatigue testing device Patent
[NASA-CASE-XLA-02131] c 32 N70-42003

Techniques for insulating cryogenic fuel containers Patent
[NASA-CASE-XLA-01967] c 31 N70-42015

Double hinged flap Patent
[NASA-CASE-XLA-01290] c 02 N70-42016

Spacecraft separation system for spinning vehicles and/or payloads Patent
[NASA-CASE-XLA-02132] c 31 N71-10582

Method for molding compounds Patent
[NASA-CASE-XLA-01091] c 15 N71-10672

Automatic force measuring system Patent
[NASA-CASE-XLA-02605] c 14 N71-10773

Gas analyzer for bi-gaseous mixtures Patent
[NASA-CASE-XLA-01131] c 14 N71-10774

Multiple input radio receiver Patent
[NASA-CASE-XLA-00901] c 07 N71-10775

Rotating space station simulator Patent
[NASA-CASE-XLA-03127] c 11 N71-10776

Composite powerplant and shroud therefor Patent
[NASA-CASE-XLA-01043] c 28 N71-10780

All-directional fastener Patent
[NASA-CASE-XLA-01807] c 15 N71-10799

Hot air balloon deceleration and recovery system Patent
[NASA-CASE-XLA-06824-2] c 02 N71-11037

Control for flexible parawing Patent
[NASA-CASE-XLA-06958] c 02 N71-11038

Variable sweep aircraft Patent
[NASA-CASE-XLA-03659] c 02 N71-11041

Translating horizontal tail Patent
[NASA-CASE-XLA-08801-1] c 02 N71-11043

Space suit pressure stabilizer Patent
[NASA-CASE-XLA-05332] c 05 N71-11194

Equipotential space suit Patent
[NASA-CASE-LAR-10007-1] c 05 N71-11195

Recovery of potable water from human wastes in below-G conditions Patent
[NASA-CASE-XLA-03213] c 05 N71-11207

Process for interfacial polymerization of pyromellitic dianhydride and 1,2,4, 5-tetraamino-benzene Patent
[NASA-CASE-XLA-03104] c 06 N71-11235

Imidazopyrrolone/imide copolymers Patent
[NASA-CASE-XLA-08802] c 06 N71-11238

Adaptive compression of communication signals Patent
[NASA-CASE-XLA-03076] c 07 N71-11266

Reentry communication by material addition Patent
[NASA-CASE-XLA-01552] c 07 N71-11284

Cooperative Doppler radar system Patent
[NASA-CASE-LAR-10403] c 21 N71-11766

Supersonic aircraft Patent
[NASA-CASE-XLA-04451] c 02 N71-12243

Umbilical disconnect Patent
[NASA-CASE-XLA-00711] c 03 N71-12258

Remote controlled tubular disconnect Patent
[NASA-CASE-XLA-01396] c 03 N71-12259

Backpack carrier Patent
[NASA-CASE-LAR-10056] c 05 N71-12351

Optical communications system Patent
[NASA-CASE-XLA-01090] c 07 N71-12389

Analog to digital converter Patent
[NASA-CASE-XLA-00670] c 08 N71-12501

Integrated time shared instrumentation display Patent
[NASA-CASE-XLA-01952] c 08 N71-12507

SCR blocking pulse gate amplifier Patent
[NASA-CASE-XLA-07497] c 09 N71-12514

Minimum induced drag airfoil body Patent
[NASA-CASE-XLA-00755] c 01 N71-13410

Minimum induced drag airfoil body Patent
[NASA-CASE-XLA-05828] c 01 N71-13411

Mechanical stability augmentation system Patent
[NASA-CASE-XLA-06339] c 02 N71-13422

Automatic balancing device Patent
[NASA-CASE-LAR-10774] c 10 N71-13545

Quick release connector Patent
[NASA-CASE-XLA-01141] c 15 N71-13789

Spacecraft experiment pointing and attitude control system Patent
[NASA-CASE-XLA-05464] c 21 N71-14132

Pressurized cell micrometeoroid detector Patent
[NASA-CASE-XLA-00936] c 14 N71-14996

Crossed-field MHD plasma generator/ accelerator Patent
[NASA-CASE-XLA-03374] c 25 N71-15562

Adjustable attitude guide device Patent
[NASA-CASE-XLA-07911] c 15 N71-15571

Control system for rocket vehicles Patent
[NASA-CASE-XLA-01163] c 21 N71-15582

Excessive temperature warning system Patent
[NASA-CASE-XLA-01926] c 14 N71-15620

Alleviation of divergence during rocket launch Patent
[NASA-CASE-XLA-00256] c 31 N71-15663

Space capsule Patent
[NASA-CASE-XLA-01332] c 31 N71-15664

Variable geometry manned orbital vehicle Patent
[NASA-CASE-XLA-03691] c 31 N71-15674

Payload/burned-out motor case separation system Patent
[NASA-CASE-XLA-05369] c 31 N71-15687

Velocity package Patent
[NASA-CASE-XLA-01339] c 31 N71-15692

File card marker Patent
[NASA-CASE-XLA-02705] c 08 N71-15908

Hypersonic test facility Patent
[NASA-CASE-XLA-00378] c 11 N71-15925

Test unit free-flight suspension system Patent
[NASA-CASE-XLA-00939] c 11 N71-15926

Reduced gravity simulator Patent
[NASA-CASE-XLA-01787] c 11 N71-16028

Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent
[NASA-CASE-XLA-00284] c 15 N71-16075

Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent
[NASA-CASE-XLA-00302] c 15 N71-16077

Separator Patent
[NASA-CASE-XLA-00415] c 15 N71-16079

Omnidirectional multiple impact landing system Patent
[NASA-CASE-XLA-09881] c 31 N71-16085

Flexible ring slosh damping baffle Patent
[NASA-CASE-LAR-10317-1] c 32 N71-16103

Buoyant anti-slosh system Patent
[NASA-CASE-XLA-04605] c 32 N71-16106

Detector panels-micrometeoroid impact Patent
[NASA-CASE-XLA-05906] c 31 N71-16221

Wind velocity probing device and method Patent
[NASA-CASE-XLA-02081] c 20 N71-16281

Vibrating structure displacement measuring instrument Patent
[NASA-CASE-XLA-03135] c 32 N71-16428

Viscous-pendulum-damper Patent
[NASA-CASE-XLA-02079] c 12 N71-16894

Leak detector Patent
[NASA-CASE-LAR-10323-1] c 12 N71-17573

Logic AND gate for fluid circuits Patent
[NASA-CASE-XLA-07391] c 12 N71-17579

Contour surveying system Patent
[NASA-CASE-XLA-08646] c 14 N71-17586

Cable arrangement for rigid tethering Patent
[NASA-CASE-XLA-02332] c 32 N71-17609

Thermal pump-compressor for space use Patent
[NASA-CASE-XLA-00377] c 33 N71-17610

Viscous pendulum damper Patent
[NASA-CASE-LAR-10274-1] c 14 N71-17626

Self supporting space vehicle Patent
[NASA-CASE-XLA-00117] c 31 N71-17680

Technique for control of free-flight rocket vehicles Patent
[NASA-CASE-XLA-00937] c 31 N71-17691

Hydraulic grip Patent
[NASA-CASE-XLA-05100] c 15 N71-17696

Heat protection apparatus Patent
[NASA-CASE-XLA-00892] c 33 N71-17897

Thermopile vacuum gage tube simulator Patent
[NASA-CASE-XLA-02758] c 14 N71-18481

Ionization vacuum gauge with all but the end of the ion collector shielded Patent
[NASA-CASE-XLA-07424] c 14 N71-18482

Safe-arm initiator Patent
[NASA-CASE-LAR-10372] c 09 N71-18599

Controlled glass bead peening Patent
[NASA-CASE-XLA-07390] c 15 N71-18616

Exclusive-Or digital logic module Patent
[NASA-CASE-XLA-07732] c 08 N71-18751

Slosh alleviator Patent
[NASA-CASE-XLA-05749] c 15 N71-19569

G conditioning suit Patent
[NASA-CASE-XLA-02898] c 05 N71-20268

Dosimeter for high levels of absorbed radiation Patent
[NASA-CASE-XLA-03645] c 14 N71-20430

Flow field simulation Patent
[NASA-CASE-LAR-11138] c 12 N71-20436

Variable pulse width multiplier Patent
[NASA-CASE-XLA-02850] c 09 N71-20447

Means for measuring the electron density gradients of the plasma sheath formed around a space vehicle Patent
[NASA-CASE-XLA-06232] c 25 N71-20563

Null device for hand controller Patent
[NASA-CASE-XLA-01808] c 15 N71-20740

Event recorder Patent
[NASA-CASE-XLA-01832] c 14 N71-21006

Inflatable support structure Patent
[NASA-CASE-XLA-01731] c 32 N71-21045

Fast opening diaphragm Patent
[NASA-CASE-XLA-03660] c 15 N71-21060

Ellipsograph for pantograph Patent
[NASA-CASE-XLA-03102] c 14 N71-21079

Random function tracer Patent
[NASA-CASE-XLA-01401] c 15 N71-21179

Method and apparatus for bonding a plastics sleeve onto a metallic body Patent
[NASA-CASE-XLA-01262] c 15 N71-21404

Hypersonic test facility Patent
[NASA-CASE-XLA-05378] c 11 N71-21475

Multilegged support system Patent
[NASA-CASE-XLA-01326] c 11 N71-21481

Nacelle afterbody for jet engines Patent
[NASA-CASE-XLA-10450] c 28 N71-21493

Canister closing device Patent
[NASA-CASE-XLA-01446] c 15 N71-21528

Ablation sensor Patent
[NASA-CASE-XLA-01794] c 33 N71-21586

Self-repeating plasma generator having communicating annular and linear arc discharge passages Patent
[NASA-CASE-XLA-03103] c 25 N71-21693

Attitude control and damping system for spacecraft Patent
[NASA-CASE-XLA-02551] c 21 N71-21708

Method of making inflatable honeycomb Patent
[NASA-CASE-XLA-03492] c 15 N71-22713

Lunar penetrometer Patent
[NASA-CASE-XLA-00934] c 14 N71-22765

Thermal control wall panel Patent
[NASA-CASE-XLA-01243] c 33 N71-22792

Attitude sensor for space vehicles Patent
[NASA-CASE-XLA-00793] c 21 N71-22880

Omnidirectional microwave spacecraft antenna Patent
[NASA-CASE-XLA-03114] c 09 N71-22888

Thermal control panel Patent
[NASA-CASE-XLA-07728] c 33 N71-22890

Spacecraft airlock Patent
[NASA-CASE-XLA-02050] c 31 N71-22968

Station keeping of a gravity gradient stabilized satellite Patent
[NASA-CASE-XLA-03132] c 31 N71-22969

Semi-linear ball bearing Patent
[NASA-CASE-XLA-02809] c 15 N71-22982

Heat sensing instrument Patent
[NASA-CASE-XLA-01551] c 14 N71-22989

Ablation sensor Patent
[NASA-CASE-XLA-01791] c 14 N71-22991

Self-calibrating displacement transducer Patent
[NASA-CASE-XLA-00781] c 09 N71-22999

Lateral displacement system for separated rocket stages Patent
[NASA-CASE-XLA-04804] c 31 N71-23008

Thermal control coating Patent
[NASA-CASE-XLA-01995] c 18 N71-23047

Method of making an inflatable panel Patent
[NASA-CASE-XLA-03497] c 15 N71-23052

Variable duration pulse integrator Patent
[NASA-CASE-XLA-01219] c 10 N71-23084

Impact energy absorber Patent
[NASA-CASE-XLA-01530] c 14 N71-23092

Micrometeoroid penetration measuring device Patent
[NASA-CASE-XLA-00941] c 14 N71-23240

Combined optical attitude and altitude indicating instrument Patent
[NASA-CASE-XLA-01907] c 14 N71-23268

Solar sensor having coarse and fine sensing with matched preirradiated cells and method of selecting cells Patent
[NASA-CASE-XLA-01584] c 14 N71-23269

Variable width pulse integrator Patent
[NASA-CASE-XLA-03356] c 10 N71-23315

Leading edge curvature based on convective heating Patent
[NASA-CASE-XLA-01486] c 01 N71-23497

Measurement of time differences between luminous events Patent
[NASA-CASE-XLA-01987] c 23 N71-23976

Method for measuring the characteristics of a gas Patent
[NASA-CASE-XLA-03375] c 16 N71-24074

Laser grating interferometer Patent
[NASA-CASE-XLA-04295] c 16 N71-24170

Automatic fatigue test temperature programmer Patent
[NASA-CASE-XLA-02059] c 33 N71-24276

Ring wing tension vehicle Patent
[NASA-CASE-XLA-04901] c 31 N71-24315

Process for applying black coating to metals Patent
[NASA-CASE-XLA-06199] c 15 N71-24875

Velocity limiting safety system Patent
[NASA-CASE-XLA-07473] c 15 N71-24895

Strain coupled servo control system Patent
[NASA-CASE-XLA-08530] c 32 N71-25360

Method of temperature compensating semiconductor strain gages Patent
[NASA-CASE-XLA-04555-1] c 14 N71-25892

Method for improving the signal-to-noise ratio of the Wheatstone bridge type bolometer Patent
[NASA-CASE-XLA-02810] c 14 N71-25901

Method of plating copper on aluminum Patent [NASA-CASE-XLA-08966-1] c 17 N71-25903	Stacked array of omnidirectional antennas [NASA-CASE-LAR-10545-1] c 09 N72-21244	Apparatus and method for generating large mass flow of high temperature air at hypersonic speeds [NASA-CASE-LAR-10578-1] c 12 N73-25262
Laser calibrator Patent [NASA-CASE-XLA-03410] c 16 N71-25914	Electro-mechanical sine/cosine generator [NASA-CASE-LAR-10503-1] c 09 N72-21248	Cable restraint [NASA-CASE-LAR-10129-1] c 15 N73-25512
Thermal protection ablation spray system Patent [NASA-CASE-XLA-04251] c 18 N71-26100	Lathe tool bit and holder for machining fiberglass materials [NASA-CASE-XLA-10470] c 15 N72-21489	Electronic strain-level counter [NASA-CASE-LAR-10756-1] c 32 N73-26910
Direct lift control system Patent [NASA-CASE-LAR-10249-1] c 02 N71-26110	Pressure operated electrical switch responsive to a pressure decrease after a pressure increase [NASA-CASE-LAR-10137-1] c 09 N72-22204	Nondestructive spot test method for magnesium and magnesium alloys [NASA-CASE-LAR-10953-1] c 17 N73-27446
Light shield and infrared reflector for fatigue testing Patent [NASA-CASE-XLA-01782] c 14 N71-26136	Variable geometry wind tunnels [NASA-CASE-XLA-07430] c 11 N72-22246	Ablation article and method [NASA-CASE-LAR-10439-1] c 33 N73-27796
Dual resonant cavity absorption cell Patent [NASA-CASE-LAR-10305] c 14 N71-26137	Magnifying scratch gage force transducer [NASA-CASE-LAR-10496-1] c 14 N72-22437	Apparatus and method for generating large mass flow of high temperature air at hypersonic speeds [NASA-CASE-LAR-10612-1] c 12 N73-28144
Resilience testing device Patent [NASA-CASE-XLA-08254] c 14 N71-26161	Star image motion compensator [NASA-CASE-LAR-10523-1] c 14 N72-22444	Pressurized panel [NASA-CASE-XLA-08916-2] c 14 N73-28487
Precoitation detector Patent [NASA-CASE-XLA-02619] c 10 N71-26334	Absolute focus lock for microscopes [NASA-CASE-LAR-10184] c 14 N72-22445	Apparatus for aiding a pilot in avoiding a midair collision between aircraft [NASA-CASE-LAR-10717-1] c 21 N73-30641
Instrument for measuring the dynamic behavior of liquids Patent [NASA-CASE-XLA-05541] c 12 N71-26387	Cryogenic feedthrough [NASA-CASE-LAR-10031] c 15 N72-22484	Exposure interlock for oscilloscope cameras [NASA-CASE-LAR-10319-1] c 14 N73-32322
Arbitrarily shaped model survey system Patent [NASA-CASE-LAR-10098] c 32 N71-26681	A technique for breaking ice in the path of a ship [NASA-CASE-LAR-10815-1] c 16 N72-22520	Meteoroid detector [NASA-CASE-LAR-10483-1] c 14 N73-32327
Dielectric molding apparatus Patent [NASA-CASE-LAR-10121-1] c 15 N71-26721	One hand backpack harness [NASA-CASE-LAR-10102-1] c 05 N72-23085	Lightweight, variable solidity knitted parachute fabric [NASA-CASE-LAR-10776-1] c 02 N74-10034
Method of making a solid propellant rocket motor Patent [NASA-CASE-XLA-04126] c 28 N71-26779	Method and apparatus for mapping the sensitivity of the face of a photodetector specifically a PMT [NASA-CASE-LAR-10320-1] c 09 N72-23172	Technique for extending the frequency range of digital dividers [NASA-CASE-LAR-10730-1] c 33 N74-10223
Dynamic vibration absorber Patent [NASA-CASE-LAR-10083-1] c 15 N71-27006	Omnidirectional slot antenna for mounting on cylindrical space vehicle [NASA-CASE-LAR-10163-1] c 09 N72-25247	Fluid pressure amplifier and system [NASA-CASE-LAR-10868-1] c 33 N74-11050
Rate augmented digital to analog converter Patent [NASA-CASE-XLA-07828] c 08 N71-27057	Hall effect transducer [NASA-CASE-LAR-10620-1] c 09 N72-25255	Method of making pressure tight seal for super alloy [NASA-CASE-LAR-10170-1] c 37 N74-11301
High speed flight vehicle control Patent [NASA-CASE-XLA-08967] c 02 N71-27088	Radio frequency filter device [NASA-CASE-XLA-02609] c 09 N72-25256	System for calibrating pressure transducer [NASA-CASE-LAR-10910-1] c 35 N74-13132
Suspended mass impact damper Patent [NASA-CASE-LAR-10193-1] c 15 N71-27146	Parametric amplifiers with idler circuit feedback [NASA-CASE-LAR-10253-1] c 09 N72-25258	Molding process for imidazopyrrolone polymers [NASA-CASE-LAR-10547-1] c 31 N74-13177
Active vibration isolator for flexible bodies Patent [NASA-CASE-LAR-10106-1] c 15 N71-27169	Variable angle tube holder [NASA-CASE-LAR-10507-1] c 11 N72-25284	Lyophilized spore dispenser [NASA-CASE-LAR-10544-1] c 37 N74-13178
Soldering device Patent [NASA-CASE-XLA-08911] c 15 N71-27214	Low mass truss structure [NASA-CASE-LAR-10546-1] c 11 N72-25287	Transmitting and reflecting diffuser [NASA-CASE-LAR-10385-2] c 70 N74-13436
Fringe counter for interferometers Patent [NASA-CASE-LAR-10204] c 14 N71-27215	Liquid waste feed system [NASA-CASE-LAR-10365-1] c 05 N72-27102	Evacuated displacement compression molding [NASA-CASE-LAR-10782-1] c 31 N74-14133
Wideband VCO with high phase stability Patent [NASA-CASE-XLA-03893] c 10 N71-27271	Microcircuit negative cutter [NASA-CASE-XLA-09843] c 15 N72-27485	Modification of one man life raft [NASA-CASE-LAR-10241-1] c 54 N74-14845
Plural position switch status and operativeness checker Patent [NASA-CASE-XLA-08799] c 10 N71-27272	Light regulator [NASA-CASE-LAR-10836-1] c 26 N72-27784	Attitude sensor [NASA-CASE-LAR-10586-1] c 19 N74-15089
Angular displacement indicating gas bearing support system Patent [NASA-CASE-XLA-09346] c 15 N71-28740	Linear explosive comparison [NASA-CASE-LAR-10800-1] c 33 N72-27959	Mossbauer spectrometer radiation detector [NASA-CASE-LAR-11155-1] c 35 N74-15091
Solid state thermal control polymer coating Patent [NASA-CASE-XLA-01745] c 33 N71-28903	Spherical measurement device [NASA-CASE-XLA-06683] c 14 N72-28436	In situ transfer standard for ultrahigh vacuum gage calibration [NASA-CASE-LAR-10862-1] c 35 N74-15092
Specialized halogen generator for purification of water Patent [NASA-CASE-XLA-08913] c 14 N71-28933	Method of making semiconductor p-n junction stress and strain sensor [NASA-CASE-XLA-04980-2] c 14 N72-28438	Dual measurement ablation sensor [NASA-CASE-LAR-10105-1] c 34 N74-15652
Optical communications system Patent [NASA-CASE-XLA-01090] c 16 N71-28963	Screened circuit capacitors [NASA-CASE-LAR-10294-1] c 26 N72-28762	Ejectable underwater sound source recovery assembly [NASA-CASE-LAR-10595-1] c 35 N74-16135
Antenna design for surface wave suppression Patent [NASA-CASE-XLA-10772] c 07 N71-28980	Deposition apparatus [NASA-CASE-LAR-10541-1] c 15 N72-32487	Wind tunnel model and method [NASA-CASE-LAR-10812-1] c 09 N74-17955
Analog to digital converter tester Patent [NASA-CASE-XLA-06713] c 14 N71-28991	Lift balancing device [NASA-CASE-LAR-10348-1] c 11 N73-12264	High field CdS detector for infrared radiation [NASA-CASE-LAR-11027-1] c 35 N74-18088
Method of making pressurized panel Patent [NASA-CASE-XLA-08916] c 15 N71-29018	Air removal device [NASA-CASE-XLA-8914] c 15 N73-12492	Method of fabricating an article with cavities [NASA-CASE-LAR-10318-1] c 31 N74-18089
Maksutov spectrograph Patent [NASA-CASE-XLA-10402] c 14 N71-29041	Nondestructive spot test method for titanium and titanium alloys [NASA-CASE-LAR-10539-1] c 17 N73-12547	Apparatus for remote handling of materials [NASA-CASE-LAR-10634-1] c 37 N74-18123
Two component bearing Patent [NASA-CASE-XLA-00013] c 15 N71-29136	Logical function generator [NASA-CASE-XLA-05099] c 09 N73-13209	Method for compression molding of thermosetting plastics utilizing a temperature gradient across the plastic to cure the article [NASA-CASE-LAR-10489-1] c 31 N74-18124
Digital pulse width selection circuit Patent [NASA-CASE-XLA-07788] c 09 N71-29139	Ferry system [NASA-CASE-LAR-10574-1] c 11 N73-13257	Method for determining thermo-physical properties of specimens [NASA-CASE-LAR-11053-1] c 25 N74-18551
Magnetically controlled plasma accelerator Patent [NASA-CASE-XLA-00327] c 25 N71-29184	Flow velocity and directional instrument [NASA-CASE-LAR-10855-1] c 14 N73-13415	Anti-buckling fatigue test assembly [NASA-CASE-LAR-10426-1] c 09 N74-19528
Boring bar drive mechanism Patent [NASA-CASE-XLA-03661] c 15 N71-33518	Vortex breach high pressure gas generator [NASA-CASE-LAR-10549-1] c 31 N73-13898	Reefing system [NASA-CASE-LAR-10129-2] c 37 N74-20063
Wind tunnel model damper Patent [NASA-CASE-XLA-09480] c 11 N71-33612	Butt welder for fine gauge tungsten/rhenium thermocouple wire [NASA-CASE-LAR-10103-1] c 15 N73-14468	A synchronous binary array divider [NASA-CASE-ERC-10180-1] c 60 N74-20836
Variable geometry rotor system [NASA-CASE-LAR-10557] c 02 N72-11018	Method of detecting oxygen in a gas [NASA-CASE-LAR-10668-1] c 06 N73-16106	Orbital and entry tracking accessory for globes [NASA-CASE-LAR-10626-1] c 19 N74-21015
Flared tube strainer [NASA-CASE-XLA-05056] c 15 N72-11389	Combustion detector [NASA-CASE-LAR-10739-1] c 14 N73-16484	Digital controller for a Baum folding machine [NASA-CASE-LAR-10688-1] c 37 N74-21056
Impact measuring technique [NASA-CASE-LAR-10913] c 14 N72-16282	Laser communication system for controlling several functions at a location remote to the laser [NASA-CASE-LAR-10311-1] c 16 N73-16536	Totally confined explosive welding [NASA-CASE-LAR-10941-1] c 37 N74-21057
Technique of duplicating fragile core [NASA-CASE-XLA-07829] c 15 N72-16329	Apparatus for photographing meteors [NASA-CASE-LAR-10226-1] c 14 N73-19419	Method of fabricating an object with a thin wall having a precisely shaped slit [NASA-CASE-LAR-10409-1] c 31 N74-21059
Tube fabricating process [NASA-CASE-LAR-10203-1] c 15 N72-16330	Zero gravity liquid mixer [NASA-CASE-LAR-10195-1] c 15 N73-19458	Deployable pressurized cell structure for a micrometeoroid detector [NASA-CASE-LAR-10295-1] c 35 N74-21062
Air bearing [NASA-CASE-WLP-10002] c 15 N72-17451	Rate data encoder [NASA-CASE-LAR-10128-1] c 08 N73-20217	Means for accommodating large overstrain in lead wires [NASA-CASE-LAR-10168-1] c 33 N74-22865
Extensometer frame [NASA-CASE-XLA-10322] c 15 N72-17452	Function generator for synthesizing complex vibration mode patterns [NASA-CASE-LAR-10310-1] c 10 N73-20253	Bonded joint and method [NASA-CASE-LAR-10900-1] c 37 N74-23064
Split range transducer [NASA-CASE-XLA-11189] c 10 N72-20222	Infrared horizon locator [NASA-CASE-LAR-10726-1] c 14 N73-20475	Light shield and cooling apparatus [NASA-CASE-LAR-10089-1] c 34 N74-23066
Stereo photomicrography system [NASA-CASE-LAR-10176-1] c 14 N72-20380	Light intensity strain analysis [NASA-CASE-LAR-10765-1] c 32 N73-20740	
Radar calibration sphere [NASA-CASE-XLA-11154] c 07 N72-21117		
Recorder using selective noise filter [NASA-CASE-ERC-10112] c 07 N72-21119		

- Method of laminating structural members
[NASA-CASE-XLA-11028-1] c 24 N74-27035
- Rocket having banum release system to create ion clouds in the upper atmosphere
[NASA-CASE-LAR-10670-2] c 15 N74-27360
- Apparatus for inserting and removing specimens from high temperature vacuum furnaces
[NASA-CASE-LAR-10841-1] c 31 N74-27900
- Grinding arrangement for ball nose milling cutters
[NASA-CASE-LAR-10450-1] c 37 N74-27905
- Method of repairing discontinuity in fiberglass structures
[NASA-CASE-LAR-10416-1] c 24 N74-30001
- Deployable flexible ventral fins for use as an emergency spin recovery device in aircraft
[NASA-CASE-LAR-10753-1] c 08 N74-30421
- Apparatus for applying simulator g-forces to an arm of an aircraft simulator pilot
[NASA-CASE-LAR-10550-1] c 09 N74-30597
- Centrifugal lyophobic separator
[NASA-CASE-LAR-10194-1] c 34 N74-30608
- Variably positioned guide vanes for aerodynamic choking
[NASA-CASE-LAR-10642-1] c 07 N74-31270
- Noise suppressor
[NASA-CASE-LAR-11141-1] c 07 N74-32418
- Measuring probe position recorder
[NASA-CASE-LAR-10806-1] c 35 N74-32877
- Stagnation pressure probe
[NASA-CASE-LAR-11139-1] c 35 N74-32878
- Molding apparatus
[NASA-CASE-LAR-10489-2] c 31 N74-32920
- Remote fire stack igniter
[NASA-CASE-MFS-21675-1] c 25 N74-33378
- Open tube guideway for high speed air cushioned vehicles
[NASA-CASE-LAR-10256-1] c 85 N74-34672
- Fast scan control for deflection type mass spectrometers
[NASA-CASE-LAR-11428-1] c 35 N74-34857
- Apparatus for microbiological sampling
[NASA-CASE-LAR-11069-1] c 35 N75-12272
- Method of making an explosively welded scarf joint
[NASA-CASE-LAR-11211-1] c 37 N75-12326
- Determining particle density using known material Hugoniot curves
[NASA-CASE-LAR-11059-1] c 76 N75-12810
- Method for making conductors for ferrite memory arrays
[NASA-CASE-LAR-10994-1] c 24 N75-13032
- Evacuated, displacement compression mold
[NASA-CASE-LAR-10782-2] c 31 N75-13111
- Automatic inoculating apparatus
[NASA-CASE-LAR-11074-1] c 51 N75-13502
- Automatic focus control for facsimile cameras
[NASA-CASE-LAR-11213-1] c 35 N75-15014
- Kinesthetic control simulator
[NASA-CASE-LAR-10276-1] c 09 N75-15662
- Electrostatic measurement system
[NASA-CASE-MFS-22129-1] c 33 N75-18477
- Automatic liquid inventory collecting and dispensing unit
[NASA-CASE-LAR-11071-1] c 35 N75-19611
- Vacuum leak detector
[NASA-CASE-LAR-11237-1] c 35 N75-19612
- Spectrometer integrated with a facsimile camera
[NASA-CASE-LAR-11207-1] c 35 N75-19613
- Instrumentation for measurement of aircraft noise and sonic boom
[NASA-CASE-LAR-11173-1] c 35 N75-19614
- Laser head for simultaneous optical pumping of several dye lasers
[NASA-CASE-LAR-11341-1] c 36 N75-19655
- High lift aircraft
[NASA-CASE-LAR-11252-1] c 05 N75-25914
- Vapor phase growth of groups 3-5 compounds by hydrogen chloride transport of the elements
[NASA-CASE-LAR-11144-1] c 25 N75-26043
- Resonant waveguide stark cell
[NASA-CASE-LAR-11352-1] c 33 N75-26245
- Fluid control apparatus and method
[NASA-CASE-LAR-11110-1] c 34 N75-26282
- Electrolytic cell structure
[NASA-CASE-LAR-11042-1] c 33 N75-27252
- Automatic microbial transfer device
[NASA-CASE-LAR-11354-1] c 35 N75-27330
- Polyimide adhesives
[NASA-CASE-LAR-11397-1] c 27 N75-29263
- Bonding method in the manufacture of continuous regression rate sensor devices
[NASA-CASE-LAR-10337-1] c 24 N75-30260
- Meteoroid impact position locator aid for manned space station
[NASA-CASE-LAR-10629-1] c 35 N75-33367
- Measurement of gas production of microorganisms
[NASA-CASE-LAR-11326-1] c 35 N75-33368
- Self-supporting strain transducer
[NASA-CASE-LAR-11263-1] c 35 N75-33369
- Annular momentum control device used for stabilization of space vehicles and the like
[NASA-CASE-LAR-11051-1] c 15 N76-14158
- Multichannel logarithmic RF level detector
[NASA-CASE-LAR-11021-1] c 32 N76-14321
- Turnstile and flared cone UHF antenna
[NASA-CASE-LAR-10970-1] c 33 N76-14372
- Static pressure probe
[NASA-CASE-LAR-11552-1] c 35 N76-14429
- Horn antenna having V-shaped corrugated slots
[NASA-CASE-LAR-11112-1] c 32 N76-15330
- Ultrasonic calibration device
[NASA-CASE-LAR-11435-1] c 35 N76-15432
- Deploy/release system
[NASA-CASE-LAR-11575-1] c 02 N76-16014
- Clock setter
[NASA-CASE-LAR-11458-1] c 35 N76-16392
- Heat exchanger system and method
[NASA-CASE-LAR-10799-2] c 34 N76-17317
- Stack plume visualization system
[NASA-CASE-LAR-11675-1] c 45 N76-17656
- Cascade plug nozzle
[NASA-CASE-LAR-11674-1] c 07 N76-18117
- Exhaust flow deflector
[NASA-CASE-LAR-11570-1] c 34 N76-18364
- Method and apparatus for tensile testing of metal foil
[NASA-CASE-LAR-10208-1] c 35 N76-18400
- Method and apparatus for fluffing, separating, and cleaning fibers
[NASA-CASE-LAR-11224-1] c 37 N76-18456
- Therapeutic hand exerciser
[NASA-CASE-LAR-11667-1] c 52 N76-19785
- Magnetic heading reference
[NASA-CASE-LAR-11387-1] c 04 N76-20114
- Apparatus for positioning modular components on a vertical or overhead surface
[NASA-CASE-LAR-11465-1] c 37 N76-21554
- Airfoil shape for flight at subsonic speeds
[NASA-CASE-LAR-10585-1] c 02 N76-22154
- Particulate and aerosol detector
[NASA-CASE-LAR-11434-1] c 35 N76-22509
- High temperature strain gage calibration fixture
[NASA-CASE-LAR-11500-1] c 35 N76-24523
- Vacuum pressure molding technique
[NASA-CASE-LAR-10073-1] c 37 N76-24575
- Instrumentation for measuring aircraft noise and sonic boom
[NASA-CASE-LAR-11478-1] c 07 N76-27232
- Connector
[NASA-CASE-LAR-11709-1] c 37 N76-27567
- Capillary flow weld-bonding
[NASA-CASE-LAR-11726-1] c 37 N76-27568
- Detector absorptivity measuring method and apparatus
[NASA-CASE-LAR-10907-1] c 35 N76-29551
- Method for detecting pollutants
[NASA-CASE-LAR-11405-1] c 45 N76-31714
- Wingtip vortex dissipator for aircraft
[NASA-CASE-LAR-11645-1] c 02 N77-10001
- Casting propellant in rocket engine
[NASA-CASE-LAR-11995-1] c 28 N77-10213
- Anti-multipath digital signal detector
[NASA-CASE-LAR-11827-1] c 32 N77-10392
- Weld-bonded titanium structures
[NASA-CASE-LAR-11549-1] c 37 N77-11397
- Phase modulating with odd and even finite power series of a modulating signal
[NASA-CASE-LAR-11607-1] c 32 N77-14292
- Miniature biaxial strain transducer
[NASA-CASE-LAR-11648-1] c 35 N77-14407
- Precision alignment apparatus for cutting a workpiece
[NASA-CASE-LAR-11658-1] c 37 N77-14478
- Solid propellant rocket motor and method of making same
[NASA-CASE-XLA-1349] c 20 N77-17143
- Particulate and solar radiation stable coating for spacecraft
[NASA-CASE-LAR-10805-2] c 34 N77-18382
- Magnetic heading reference
[NASA-CASE-LAR-11387-2] c 04 N77-19056
- Binocular device for displaying numerical information in field of view
[NASA-CASE-LAR-11782-1] c 74 N77-20882
- Method of locating persons in distress
[NASA-CASE-LAR-11390-1] c 32 N77-21267
- Amplifying ribbon extensometer
[NASA-CASE-LAR-11825-1] c 35 N77-22449
- Method of forming shrink-fit compression seal
[NASA-CASE-LAR-11563-1] c 37 N77-23482
- Vortex generator for controlling the dispersion of effluents in a flowing liquid
[NASA-CASE-LAR-12045-1] c 34 N77-24423
- Process for control of cell division
[NASA-CASE-LAR-10773-3] c 51 N77-25769
- Electro-mechanical sine/cosine generator
[NASA-CASE-LAR-11389-1] c 33 N77-26387
- Apparatus for determining thermophysical properties of test specimens
[NASA-CASE-LAR-11883-1] c 09 N77-27131
- Automated single-slide staining device
[NASA-CASE-LAR-11849-1] c 51 N77-27677
- Dual cycle aircraft turbine engine
[NASA-CASE-LAR-11310-1] c 07 N77-28118
- Composite sandwich lattice structure
[NASA-CASE-LAR-11898-1] c 24 N78-10214
- Differential sound level meter
[NASA-CASE-LAR-12106-1] c 71 N78-14867
- Thermoluminescent aerosol analysis
[NASA-CASE-LAR-12046-1] c 25 N78-15210
- CW ultrasonic bolt tensioning monitor
[NASA-CASE-LAR-12016-1] c 39 N78-15512
- Solar heating system
[NASA-CASE-LAR-12009-1] c 44 N78-15560
- Transmitting and reflecting diffuser
[NASA-CASE-LAR-10385-3] c 74 N78-15879
- TV fatigue crack monitoring system
[NASA-CASE-LAR-11490-1] c 39 N78-16387
- Method of making a composite sandwich lattice structure
[NASA-CASE-LAR-11898-2] c 24 N78-17149
- Composite lamination method
[NASA-CASE-LAR-12019-1] c 24 N78-17150
- Polyimide adhesives
[NASA-CASE-LAR-12181-1] c 27 N78-17205
- Thermal shock and erosion resistant tantalum carbide ceramic material
[NASA-CASE-LAR-11902-1] c 27 N78-17206
- Optical scanner
[NASA-CASE-LAR-11711-1] c 74 N78-17866
- Molded composite pyrogen igniter for rocket motors
[NASA-CASE-LAR-12018-1] c 20 N78-24275
- Non-destructive method for applying and removing instrumentation on helicopter rotor blades
[NASA-CASE-LAR-11201-1] c 35 N78-24515
- Two dimensional wedge/translating shroud nozzle
[NASA-CASE-LAR-11919-1] c 07 N78-27121
- Remote water monitoring system
[NASA-CASE-LAR-11973-1] c 35 N78-27384
- Magnetic suspension and pointing system
[NASA-CASE-LAR-11889-2] c 37 N78-27424
- Device for measuring the contour of a surface
[NASA-CASE-LAR-11869-1] c 74 N78-27904
- Supersonic transport
[NASA-CASE-LAR-11932-1] c 05 N78-32086
- Hypersonic airbreathing missile
[NASA-CASE-LAR-12264-1] c 15 N78-32168
- Process for preparing thermoplastic aromatic polyimides
[NASA-CASE-LAR-11828-1] c 27 N78-32261
- Magnetometer with a miniature transducer and automatic scanning
[NASA-CASE-LAR-11617-2] c 35 N78-32397
- Independent power generator
[NASA-CASE-LAR-11208-1] c 44 N78-32539
- Pseudo continuous wave instrument
[NASA-CASE-LAR-12260-1] c 35 N79-10390
- Nozzle extraction process and handmeter for measuring handle
[NASA-CASE-LAR-12147-1] c 31 N79-11246
- Fluid velocity measuring device
[NASA-CASE-LAR-11729-1] c 34 N79-12359
- Totally confined explosive welding
[NASA-CASE-LAR-10941-2] c 37 N79-13364
- Vortex-lift roll-control device
[NASA-CASE-LAR-11868-2] c 08 N79-14108
- Electronically scanned pressure sensor module with in SITU calibration capability
[NASA-CASE-LAR-12230-1] c 35 N79-14347
- Versatile LDV burst simulator
[NASA-CASE-LAR-11859-1] c 35 N79-14349
- Locking redundant link
[NASA-CASE-LAR-11900-1] c 37 N79-14382
- Chromatically corrected virtual image display
[NASA-CASE-LAR-12251-1] c 74 N79-14892
- Apparatus for measuring an aircraft's speed and height
[NASA-CASE-LAR-12275-1] c 35 N79-18296
- Volumetric direct nuclear pumped laser
[NASA-CASE-LAR-12183-1] c 36 N79-18307
- Wind tunnel
[NASA-CASE-LAR-10135-1] c 09 N79-21083
- Fatigue failure load indicator
[NASA-CASE-LAR-12027-1] c 39 N79-22537
- Filtering technique based on high-frequency plant modeling for high-gain control
[NASA-CASE-LAR-12215-1] c 08 N79-23097
- Electrochemical detection device
[NASA-CASE-LAR-11822-1] c 25 N79-24073
- High-temperature microphone system
[NASA-CASE-LAR-12375-1] c 32 N79-24203

Helicopter rotor airfoil [NASA-CASE-LAR-12396-1]	c 02	N79-24958	Adaptive polarization separation [NASA-CASE-LAR-12196-1]	c 33	N81-26358	One-step dual purpose joining technique [NASA-CASE-LAR-12595-1]	c 33	N82-26571
Rotary target V-block [NASA-CASE-LAR-12007-2]	c 74	N79-25876	Wingtip vortex turbine [NASA-CASE-LAR-12544-1]	c 07	N81-27096	Liquid-immersible electrostatic ultrasonic transducer [NASA-CASE-LAR-12465-1]	c 33	N82-26572
Magnetic suspension and pointing system [NASA-CASE-LAR-11889-1]	c 35	N79-26372	A self-correcting electronically scanned pressure sensor [NASA-CASE-LAR-12686-1]	c 09	N81-27121	Method for determining the point of zero zeta potential of semiconductor materials [NASA-CASE-LAR-12893-1]	c 33	N82-26573
Seat cushion to provide realistic acceleration cues to aircraft simulator pilot [NASA-CASE-LAR-12149-2]	c 09	N79-31228	Telescoping columns [NASA-CASE-LAR-12195-1]	c 31	N81-27324	Film advance indicator [NASA-CASE-LAR-12474-1]	c 35	N82-26628
Mixed diamines for lower melting addition polyimide preparation and utilization [NASA-CASE-LAR-12054-1]	c 27	N79-33316	Helmet weight simulator [NASA-CASE-LAR-12320-1]	c 54	N81-27806	Missile rolling tail brake torque system [NASA-CASE-LAR-12751-1]	c 37	N82-26675
Displacement probes with self-contained exciting medium [NASA-CASE-LAR-11690-1]	c 35	N80-14371	Indirect microbial detection [NASA-CASE-LAR-12520-1]	c 51	N81-28698	Interlocking wedge joint [NASA-CASE-LAR-12729-1]	c 37	N82-26676
Crystalline polyimides [NASA-CASE-LAR-12099-1]	c 27	N80-16158	Rim inertial measuring system [NASA-CASE-LAR-12052-1]	c 18	N81-29152	Means for controlling aerodynamically induced twist [NASA-CASE-LAR-12175-1]	c 05	N82-28279
Laser Doppler velocity simulator [NASA-CASE-LAR-12176-1]	c 36	N80-16321	Tackifier for addition polyimides containing monoethylphthalate [NASA-CASE-LAR-12642-1]	c 27	N81-29229	Hermetically sealable package for hybrid solid-state electronic devices and the like [NASA-CASE-MSC-20181-1]	c 33	N82-28549
Static pressure orifice system testing method and apparatus [NASA-CASE-LAR-12269-1]	c 35	N80-18358	Automated syringe sampler [NASA-CASE-LAR-12308-1]	c 35	N81-29407	Apparatus and process for microbial detection and enumeration [NASA-CASE-LAR-12709-1]	c 35	N82-28604
Improved tire/wheel concept [NASA-CASE-LAR-11695-2]	c 37	N80-18402	Low X-ray absorption aneurysm clips [NASA-CASE-LAR-12650-1]	c 52	N81-29768	Spray applicator for spraying coatings and other fluids in space [NASA-CASE-MSC-18852-1]	c 37	N82-28640
Radar target for remotely sensing hydrological phenomena [NASA-CASE-LAR-12344-1]	c 43	N80-18498	Universal connectors for joining stringers [NASA-CASE-LAR-12744-1]	c 37	N81-31551	Slow opening valve [NASA-CASE-MSC-20112-1]	c 37	N82-28641
Solar cell angular position transducer [NASA-CASE-LAR-11999-1]	c 44	N80-18552	Ride quality meter [NASA-CASE-LAR-12882-1]	c 54	N81-31848	Heads up display [NASA-CASE-LAR-12630-1]	c 06	N82-29319
Detection of the transitional layer between laminar and turbulent flow areas on a wing surface [NASA-CASE-LAR-12261-1]	c 02	N80-20224	Solar powered aircraft [NASA-CASE-LAR-12615-1]	c 05	N81-32138	Method for forming pyrrone molding powders and products of said method [NASA-CASE-LAR-10423-1]	c 23	N82-29358
CDS solid state phase insensitive ultrasonic transducer [NASA-CASE-LAR-12304-1]	c 35	N80-20559	Method of making a partial interlaminar separation composite system [NASA-CASE-LAR-12065-2]	c 24	N81-33235	Directional gear ratio transmission [NASA-CASE-LAR-12644-1]	c 37	N82-29605
Combined solar collector and energy storage system [NASA-CASE-LAR-12205-1]	c 44	N80-20810	Wind tunnel supplementary Mach number minimum section insert [NASA-CASE-LAR-12532-1]	c 09	N82-11088	Self-locking mechanical center joint [NASA-CASE-LAR-12864-1]	c 37	N82-29606
Noncontacting method for measuring angular deflection [NASA-CASE-LAR-12178-1]	c 74	N80-21138	Aluminum ion-containing polyimide adhesives [NASA-CASE-LAR-12640-1]	c 27	N82-11206	Vertical shaft windmill [NASA-CASE-LAR-12923-1]	c 44	N82-29713
Chromatically corrected virtual image visual display [NASA-CASE-LAR-12251-1]	c 74	N80-27185	Small conductive particle sensor [NASA-CASE-LAR-12552-1]	c 35	N82-11431	Acoustic tooth cleaner [NASA-CASE-LAR-12471-1]	c 52	N82-29862
Heat treat fixture and method of heat treating [NASA-CASE-LAR-11821-1]	c 26	N80-28492	Large volume multiple-path nuclear pumped laser [NASA-CASE-LAR-12592-1]	c 36	N82-13415	Pyroelectric detector arrays [NASA-CASE-LAR-12363-1]	c 35	N82-31659
Dual acting slit control mechanism [NASA-CASE-LAR-11370-1]	c 35	N80-28686	Slotted variable camber flap [NASA-CASE-LAR-12541-1]	c 05	N82-18203	Decoupler pylon wing/store flutter suppressor [NASA-CASE-LAR-12468-1]	c 08	N82-32373
Visible and infrared polarization ratio spectroradiometer [NASA-CASE-LAR-12285-1]	c 35	N80-28687	Reusable thermal cycling clamp [NASA-CASE-LAR-12868-1]	c 27	N82-18390	Multilayer thermal protection system [NASA-CASE-LAR-12620-1]	c 24	N82-32417
Collapsible corrugated horn antenna [NASA-CASE-LAR-11745-1]	c 32	N80-29539	Spatial energy distribution [NASA-CASE-LAR-12631-1]	c 35	N82-18557	Strain gage calibration [NASA-CASE-LAR-12743-1]	c 35	N82-32661
Natural turbulence electrical power generator [NASA-CASE-LAR-11551-1]	c 44	N80-29834	Moving body velocity arresting line [NASA-CASE-LAR-12372-1]	c 37	N82-18601	Scanning afocal laser velocimeter projection lens system [NASA-CASE-LAR-12328-1]	c 36	N82-32712
Process for preparing high temperature polyimide film laminates [NASA-CASE-LAR-12742-1]	c 24	N81-12174	Heat reflecting field stop [NASA-CASE-LAR-12443-1]	c 74	N82-19030	Mechanical end joint system for structural column elements [NASA-CASE-LAR-12482-1]	c 37	N82-32732
Partial interlaminar separation system for composites [NASA-CASE-LAR-12065-1]	c 24	N81-14000	Apparatus and method for jet noise suppression [NASA-CASE-LAR-11903-2]	c 34	N82-20465	Photocapacitive image converter [NASA-CASE-LAR-12513-1]	c 44	N82-32841
Method for preparing addition type polyimide prepregs [NASA-CASE-LAR-12054-2]	c 27	N81-14078	Variable response load limiting device [NASA-CASE-LAR-12801-1]	c 37	N82-20544	Family of airfoil shapes for rotating blades [NASA-CASE-LAR-12843-1]	c 05	N82-33372
Method and tool for machining a transverse slot about a bore [NASA-CASE-LAR-11855-1]	c 37	N81-14319	Tubing and cable cutting tool [NASA-CASE-LAR-12786-1]	c 37	N82-20545	Mechanical fastener [NASA-CASE-LAR-12738-1]	c 18	N82-33419
Aerodynamic side-force alleviator means [NASA-CASE-LAR-12326-1]	c 02	N81-14968	Air removal device [NASA-CASE-XLA-8914-2]	c 25	N82-21269	Ultrasonic transducer with Gaussian radial pressure distribution [NASA-CASE-LAR-12967-1]	c 35	N83-12397
Thermoset-thermoplastic aromatic polyamides [NASA-CASE-LAR-12723-1]	c 27	N81-15107	Metric half-span model support system [NASA-CASE-LAR-12441-1]	c 09	N82-23254	A dual differential interferometer [NASA-CASE-LAR-12966-1]	c 71	N83-12969
Leading edge vortex flaps for drag reduction [NASA-CASE-LAR-12750-1]	c 02	N81-19016	Hydraulic actuator mechanism to control aircraft spoiler movements through dual input commands [NASA-CASE-LAR-12412-1]	c 08	N82-24205	A radionuclide counting technique for measuring wind velocity and direction [NASA-CASE-LAR-12971-1]	c 47	N83-14863
Compensating linkage for main rotor control [NASA-CASE-LAR-11797-1]	c 05	N81-19087	Induction heating gun [NASA-CASE-LAR-12540-2]	c 27	N82-24345	Acoustic ground impedance meter [NASA-CASE-LAR-12995-1]	c 71	N83-15044
Thrust augmented spin recovery device [NASA-CASE-LAR-11970-2]	c 08	N81-19130	Image readout device with electronically variable spatial resolution [NASA-CASE-LAR-12633-1]	c 33	N82-24416	Pulsed phase locked loop strain monitor [NASA-CASE-LAR-12772-1]	c 33	N83-16626
A low energy electron magnetometer [NASA-CASE-LAR-12706-1]	c 35	N81-19428	Powder fed sheared dispersal particle generator [NASA-CASE-LAR-12785-1]	c 34	N82-24448	Ampoule sealing apparatus and process [NASA-CASE-LAR-12847-1]	c 33	N83-16633
Velocity vector control system augmented with direct lift control [NASA-CASE-LAR-12268-1]	c 08	N81-24106	Hot foil transducer skin friction sensor [NASA-CASE-LAR-12321-1]	c 35	N82-24470	Sound shield [NASA-CASE-LAR-12883-1]	c 71	N83-17235
Direction sensitive laser velocimeter [NASA-CASE-LAR-12177-1]	c 36	N81-24422	Continuous self-locking spiral wound seal [NASA-CASE-LAR-12315-1]	c 37	N82-24490	Ethynyl and substituted ethynyl-terminated polysulfones [NASA-CASE-LAR-12931-1]	c 23	N83-17590
Tire/wheel concept [NASA-CASE-LAR-11695-2]	c 37	N81-24443	Solar engine [NASA-CASE-LAR-12148-1]	c 44	N82-24640	Shell tile thermal protection system [NASA-CASE-LAR-12862-1]	c 24	N83-17602
Heat pipe cooled probe [NASA-CASE-LAR-12588-1]	c 44	N81-24525	Magnetic heading reference [NASA-CASE-LAR-12638-1]	c 44	N82-24716	Chalcogenophosphate photoelectrodes [NASA-CASE-LAR-12958-1]	c 44	N83-18025
Lightweight structural columns [NASA-CASE-LAR-12095-1]	c 31	N81-25258	Leading edge flap system for aircraft control augmentation [NASA-CASE-LAR-12787-1]	c 05	N82-25240	Modified spiral wound retaining ring [NASA-CASE-LAR-12361-1]	c 37	N83-19091
Foldable beam [NASA-CASE-LAR-12077-1]	c 31	N81-25259	A solar pumped laser [NASA-CASE-LAR-12870-1]	c 36	N82-25497	Pumped vortex [NASA-CASE-LAR-12615-1]	c 02	N83-19715
Cooling system for high speed aircraft [NASA-CASE-LAR-12406-1]	c 05	N81-26114	Magnetic heading reference [NASA-CASE-LAR-12638-1]	c 04	N82-26260	Line hook with loop expander [NASA-CASE-LAR-12875-1]	c 37	N83-20156
Pitch attitude stabilization system utilizing engine pressure ratio feedback signals [NASA-CASE-LAR-12562-1]	c 08	N81-26152	Fuselage structure using advanced technology fiber reinforced composites [NASA-CASE-LAR-11688-1]	c 24	N82-26384	A single frequency multitransmitter telemetry system [NASA-CASE-LAR-13006-1]	c 17	N83-20995
Onboard/launch system [NASA-CASE-LAR-12250-1]	c 14	N81-26161	Electrically conductive palladium containing polyimide films [NASA-CASE-LAR-12705-1]	c 25	N82-26396	Polyphenylene ethers with imide linking groups [NASA-CASE-LAR-12980-1]	c 27	N83-21143
			Hot melt recharge system [NASA-CASE-LAR-12681-1]	c 27	N82-26464	Miniature spectrally selective dosimeter [NASA-CASE-LAR-12469-1]	c 35	N83-21311
			Digital demodulator [NASA-CASE-LAR-12659-1]	c 33	N82-26570	Aeroelastic instability stoppers for wind tunnel models [NASA-CASE-LAR-12458-1]	c 44	N83-21503

Aeroelastic instability stoppers for wind tunnel models [NASA-CASE-LAR-12720-1]	c 44	N83-21504	Reduced gravity liquid configuration simulator [NASA-CASE-XLE-02624]	c 12	N69-39988	Method of producing porous tungsten ionizers for ion rocket engines Patent [NASA-CASE-XLE-00455]	c 28	N70-38197
Pyroelectric detector arrays [NASA-CASE-LAR-12363-2]	c 33	N83-24763	Transpiration cooled turbine blade manufactured from wres Patent [NASA-CASE-XLE-00020]	c 15	N70-33226	Method of making fiber reinforced metallic composites Patent [NASA-CASE-XLE-00231]	c 17	N70-38198
Miniature electro-optical air flow sensor [NASA-CASE-LAR-13065-1]	c 74	N83-25539	Rocket propellant injector Patent [NASA-CASE-XLE-00103]	c 28	N70-33241	Rocket engine injector Patent [NASA-CASE-XLE-00111]	c 28	N70-38199
Rotary target v-block [NASA-CASE-LAR-12007-3]	c 74	N83-25542	Modification and improvements to cooled blades Patent [NASA-CASE-XLE-00092]	c 15	N70-33264	Reinforced metallic composites Patent [NASA-CASE-XLE-00228]	c 17	N70-38490
Model mount system for testing flutter [NASA-CASE-LAR-12950-1]	c 09	N83-25727	Colloid propulsion method and apparatus Patent [NASA-CASE-XLE-00817]	c 28	N70-33265	Rocket motor system Patent [NASA-CASE-XLE-00323]	c 28	N70-38505
Elastomer toughened polyimide adhesives [NASA-CASE-LAR-12775-1]	c 27	N83-28240	High-vacuum condenser tank for ion rocket tests Patent [NASA-CASE-XLE-00168]	c 11	N70-33278	Particle beam measurement apparatus using beam kinetic energy to change the heat sensitive resistance of the detection probe Patent [NASA-CASE-XLE-00243]	c 14	N70-38602
Solar driven liquid metal MHD power generator [NASA-CASE-LAR-12495-1]	c 44	N83-28573	High temperature nickel-base alloy Patent [NASA-CASE-XLE-00151]	c 17	N70-33283	Penshape exhaust nozzle for supersonic engine Patent [NASA-CASE-XLE-00057]	c 28	N70-38711
Stirling cycle cryogenic cooler [NASA-CASE-LAR-12697-1]	c 44	N83-28574	Annular rocket motor and nozzle configuration Patent [NASA-CASE-XLE-00078]	c 28	N70-33284	Multistage multiple-reentry turbine Patent [NASA-CASE-XLE-00085]	c 28	N70-39895
Extended moment arm anti-spin device [NASA-CASE-LAR-12979-1]	c 02	N83-29173	Reinforced metallic composites Patent [NASA-CASE-XLE-02428]	c 17	N70-33288	Gas lubricant compositions Patent [NASA-CASE-XLE-00353]	c 18	N70-39897
Elastomer toughened polyimide adhesives [NASA-CASE-LAR-12775]	c 27	N83-29390	Process for applying a protective coating for salt bath brazing Patent [NASA-CASE-XLE-00046]	c 15	N70-33311	Telescoping-spike supersonic inlet for aircraft engines Patent [NASA-CASE-XLE-00005]	c 28	N70-39899
A solvent resistant, thermoplastic aromatic poly(imidesulfone) and process for preparing same [NASA-CASE-LAR-12858-2]	c 27	N83-29391	Wire grid forming apparatus Patent [NASA-CASE-XLE-00023]	c 15	N70-33330	High temperature spark plug Patent [NASA-CASE-XLE-00660]	c 28	N70-39925
Curved cap corrugated sheet [NASA-CASE-LAR-12884-1]	c 31	N83-29446	Electro-thermal rocket Patent [NASA-CASE-XLE-00267]	c 28	N70-33356	Low viscosity magnetic fluid obtained by the colloidal suspension of magnetic particles Patent [NASA-CASE-XLE-01512]	c 12	N70-40124
Induction heating gun [NASA-CASE-LAR-13181-1]	c 33	N83-29591	External liquid-spray cooling of turbine blades Patent [NASA-CASE-XLE-00037]	c 28	N70-33372	Apparatus for absorbing and measuring power Patent [NASA-CASE-XLE-00720]	c 14	N70-40201
Instrument for determining coincidence and elapse time between independent sources of random sequential events [NASA-CASE-LAR-12531-1]	c 35	N83-29651	Apparatus for igniting solid propellants Patent [NASA-CASE-XLE-00207]	c 28	N70-33375	Device for directionally controlling electromagnetic radiation Patent [NASA-CASE-XLE-01716]	c 09	N70-40234
Securable bearing stress-strain indicator [NASA-CASE-LAR-12774-1]	c 35	N83-29654	Flexible seal for valves Patent [NASA-CASE-XLE-00101]	c 15	N70-33376	Method for continuous variation of propellant flow and thrust in propulsive devices Patent [NASA-CASE-XLE-00177]	c 28	N70-40367
Daze fasteners [NASA-CASE-LAR-13009-1]	c 37	N83-29706	Apparatus for making a metal slurry product Patent [NASA-CASE-XLE-00010]	c 15	N70-33382	Apparatus for increasing ion engine beam density Patent [NASA-CASE-XLE-00519]	c 28	N70-41576
Flow resistivity instrument [NASA-CASE-LAR-13053-1]	c 43	N83-29783	Energy conversion apparatus Patent [NASA-CASE-XLE-00212]	c 03	N70-34134	Foldable conduit Patent [NASA-CASE-XLE-00620]	c 32	N70-41579
Production of butanol by fermentation in the presence of co-culture of clostridium [NASA-CASE-NPO-16203-1]	c 44	N83-29806	Enthalpy and stagnation temperature determination of a high temperature laminar flow gas stream Patent [NASA-CASE-XLE-00266]	c 14	N70-34156	Liquid storage tank venting device for zero gravity environment Patent [NASA-CASE-XLE-01449]	c 15	N70-41646
Vibration isolation and pressure compensation apparatus for sensitive instrumentation [NASA-CASE-LAR-12728-1]	c 35	N83-32026	Electrothermal rockets having improved heat exchangers Patent [NASA-CASE-XLE-01783]	c 28	N70-34175	Method of making a regeneratively cooled combustion chamber Patent [NASA-CASE-XLE-00150]	c 28	N70-41818
Fixture for environmental exposure of structural materials under compression load [NASA-CASE-LAR-12602-1]	c 39	N83-32081	Venting vapor apparatus Patent [NASA-CASE-XLE-00288]	c 15	N70-34247	Instrument for the quantitative measurement of radiation at multiple wave lengths Patent [NASA-CASE-XLE-00011]	c 14	N70-41946
Polyphenylquinoxalines containing pendant phenylethynyl and ethynyl groups [NASA-CASE-LAR-12838-1]	c 27	N83-34040	Thrust vector control apparatus Patent [NASA-CASE-XLE-00208]	c 28	N70-34294	Small rocket engine Patent [NASA-CASE-XLE-00685]	c 28	N70-41992
Solvent resistant thermoplastic aromatic poly(imidesulfone) and process for preparing same [NASA-CASE-LAR-12858-1]	c 27	N83-34041	High temperature heat source Patent [NASA-CASE-XLE-00490]	c 33	N70-34545	Apparatus for positioning and loading a test specimen Patent [NASA-CASE-XLE-01300]	c 15	N70-41993
Hot melt adhesive attachment pad [NASA-CASE-LAR-12894-1]	c 27	N83-34044	Inlet deflector for jet engines Patent [NASA-CASE-XLE-00388]	c 28	N70-34788	Liquid flow sight assembly Patent [NASA-CASE-XLE-02998]	c 14	N70-42074
Heating and cooling system [NASA-CASE-LAR-12393-1]	c 34	N83-34221	Radiant heater having formed filaments Patent [NASA-CASE-XLE-00387]	c 33	N70-34812	Inductive liquid level detection system Patent [NASA-CASE-XLE-01609]	c 14	N71-10500
Auto covariance computer [NASA-CASE-LAR-12968-1]	c 35	N83-34273	Optical torqueometer Patent [NASA-CASE-XLE-00503]	c 14	N70-34818	Method of forming thin window drifted silicon charged particle detector Patent [NASA-CASE-XLE-00808]	c 24	N71-10560
Variable anodic thermal control coating [NASA-CASE-LAR-12719-1]	c 44	N83-34449	Electric propulsion engine test chamber Patent [NASA-CASE-XLE-00252]	c 11	N70-34844	Electrostatic thruster with improved insulators Patent [NASA-CASE-XLE-01902]	c 28	N71-10574
Dual towline anti-spin device [NASA-CASE-LAR-13076-1]	c 05	N83-34934	Conical valve plug Patent [NASA-CASE-XLE-00715]	c 15	N70-34859	Thin-walled pressure vessel Patent [NASA-CASE-XLE-04677]	c 15	N71-10577
Continuous laminar smoke generator [NASA-CASE-LAR-13014-1]	c 28	N83-35158	Channel-type shell construction for rocket engines and the like Patent [NASA-CASE-XLE-00144]	c 28	N70-34860	Method of making a silicon semiconductor device Patent [NASA-CASE-XLE-02792]	c 26	N71-10607
Sequentially deployable maneuverable tetrahedral beam [NASA-CASE-LAR-13098-1]	c 31	N83-35178	Non-reusable kinetic energy absorber Patent [NASA-CASE-XLE-00810]	c 15	N70-34861	Metallic film diffusion for boundary lubrication Patent [NASA-CASE-XLE-01765]	c 18	N71-10772
Explosively activated egress area [NASA-CASE-LAR-12624-1]	c 01	N83-35992	High temperature testing apparatus Patent [NASA-CASE-XLE-00335]	c 14	N70-35368	Molecular beam velocity selector Patent [NASA-CASE-XLE-01533]	c 11	N71-10777
Error correction method and apparatus for electronic timepieces [NASA-CASE-LAR-12654-1]	c 33	N83-36357	Ion thruster cathode Patent Application [NASA-CASE-LEW-10814-1]	c 28	N70-35422	Meteoroid sensing apparatus having a coincidence network connected to a pair of capacitors Patent [NASA-CASE-XLE-01246]	c 14	N71-10797
National Aeronautics and Space Administration. Lewis Research Center, Cleveland, Ohio.			Formed metal ribbon wrap Patent [NASA-CASE-XLE-00164]	c 15	N70-36411	Capacitor and method of making same Patent [NASA-CASE-LEW-10364-1]	c 09	N71-13522
Foil seal [NASA-CASE-XLE-05130]	c 15	N69-21362	Multistage multiple-reentry turbine Patent [NASA-CASE-XLE-00170]	c 15	N70-36412	Capillary radiator Patent [NASA-CASE-XLE-03307]	c 33	N71-14035
Fluid jet amplifier [NASA-CASE-XLE-03512]	c 12	N69-21466	Fluid coupling Patent [NASA-CASE-XLE-00397]	c 15	N70-36492	Electrostatic ion engine having a permanent magnetic circuit Patent [NASA-CASE-XLE-01124]	c 28	N71-14043
Electrode and insulator with shielded dielectric junction [NASA-CASE-XLE-03778]	c 09	N69-21542	Injector-valve device Patent [NASA-CASE-XLE-00303]	c 15	N70-36535	Split welding chamber Patent [NASA-CASE-LEW-11531]	c 15	N71-14932
Thin window, drifted silicon, charged particle detector [NASA-CASE-XLE-10529]	c 14	N69-23191	Nickel-base alloy Patent [NASA-CASE-XLE-00283]	c 17	N70-36616	Method and apparatus for making curved reflectors Patent [NASA-CASE-XLE-08917]	c 15	N71-15597
Probes having ring and primary sensor at same potential to prevent collection of stray wall currents in ionized gases [NASA-CASE-XLE-00690]	c 25	N69-39884	Apparatus having coaxial capacitor structure for measuring fluid density Patent [NASA-CASE-XLE-00143]	c 14	N70-36618	Method of making a diffusion bonded refractory coating Patent [NASA-CASE-XLE-01604-2]	c 15	N71-15610
Ion thruster cathode [NASA-CASE-XLE-07087]	c 06	N69-39889	Rocket thrust chamber Patent [NASA-CASE-XLE-00145]	c 28	N70-36806	Black-body furnace Patent [NASA-CASE-XLE-01399]	c 33	N71-15625
Superconducting alternator [NASA-CASE-XLE-02824]	c 03	N69-39890	Ion rocket Patent [NASA-CASE-XLE-00376]	c 28	N70-37245			
Triode thermionic energy converter [NASA-CASE-XLE-01015]	c 03	N69-39898	Annular supersonic decelerator or drogue Patent [NASA-CASE-XLE-00222]	c 02	N70-37939			
Slug flow magnetohydrodynamic generator [NASA-CASE-XLE-02083]	c 03	N69-39983	Rocket engine Patent [NASA-CASE-XLE-00342]	c 28	N70-37980			
			Variable sweep aircraft wing Patent [NASA-CASE-XLA-00350]	c 02	N70-38011			
			Apparatus for transferring cryogenic liquids Patent [NASA-CASE-XLE-00345]	c 15	N70-38020			

Method of igniting solid propellants Patent [NASA-CASE-XLE-01988] c 27 N71-15634	Superconducting alternator Patent [NASA-CASE-XLE-02823] c 09 N71-23443	Saturation current protection apparatus for saturable core transformers [NASA-CASE-ERC-10075-2] c 09 N72-22196
Fluid dispensing apparatus and method Patent [NASA-CASE-XLE-01182] c 27 N71-15635	Silicon solar cell with cover glass bonded to cell by metal pattern Patent [NASA-CASE-XLE-08569] c 03 N71-23449	Pulse coupling circuit [NASA-CASE-LEW-10433-1] c 09 N72-22197
Automatically deploying nozzle exit cone extension Patent [NASA-CASE-XLE-01640] c 31 N71-15637	Analytical test apparatus and method for determining oxide content of alkali metal Patent [NASA-CASE-XLE-01997] c 06 N71-23527	Solid state remote circuit selector switch [NASA-CASE-LEW-10387] c 09 N72-22201
High temperature cobalt-base alloy Patent [NASA-CASE-XLE-00726] c 17 N71-15644	Thermionic converter with current augmented by self induced magnetic field Patent [NASA-CASE-XLE-01903] c 22 N71-23599	Load-insensitive electrical device [NASA-CASE-XER-11046] c 09 N72-22203
Method of making a rocket motor casing Patent [NASA-CASE-XLE-00409] c 28 N71-15658	Semiconductor material and method of making same Patent [NASA-CASE-XLE-02798] c 26 N71-23654	High speed rolling element bearing [NASA-CASE-LEW-10856-1] c 15 N72-22490
Rocket motor casing Patent [NASA-CASE-XLE-05689] c 28 N71-15659	Insulation system Patent [NASA-CASE-XLE-02647] c 18 N71-23658	Production of metal powders [NASA-CASE-XLE-06461] c 17 N72-22530
Electrostatic ion rocket engine Patent [NASA-CASE-XLE-02066] c 28 N71-15661	Self-lubricating fluoride metal composite materials Patent [NASA-CASE-XLE-08511] c 18 N71-23710	Nickel base alloy [NASA-CASE-LEW-10874-1] c 17 N72-22535
High temperature cobalt-base alloy Patent [NASA-CASE-XLE-02991] c 17 N71-16025	Alloys for bearings Patent [NASA-CASE-XLE-05033] c 15 N71-23810	Ion thruster magnetic field control [NASA-CASE-LEW-10835-1] c 28 N72-22771
Nickel-base alloy containing Mo-W-Al-Cr-Ta-Zr-C-Nb-B Patent [NASA-CASE-XLE-02082] c 17 N71-16026	Extrusion die for refractory metals Patent [NASA-CASE-XLE-06773] c 15 N71-23817	Electrically conductive fluorocarbon polymer [NASA-CASE-XLE-06774-2] c 06 N72-25150
Method of improving the reliability of a rolling element system Patent [NASA-CASE-XLE-02999] c 15 N71-16052	Combustion chamber Patent [NASA-CASE-XLE-04857] c 28 N71-23968	Analog Signal to Discrete Time Interval Converter (ASDTIC) [NASA-CASE-ERC-10048] c 09 N72-25251
Process of casting heavy slips Patent [NASA-CASE-XLE-00106] c 15 N71-16076	Metallic film diffusion for boundary lubrication Patent [NASA-CASE-XLE-10337] c 15 N71-24046	Controllable load insensitive power converters [NASA-CASE-ERC-10268] c 09 N72-25252
Boiler for generating high quality vapor Patent [NASA-CASE-XLE-00785] c 33 N71-16104	Process for producing dispersion strengthened nickel with aluminum Patent [NASA-CASE-XLE-06969] c 17 N71-24142	Angular velocity and acceleration measuring apparatus [NASA-CASE-ERC-10292] c 14 N72-25410
Method of making self lubricating fluoride-metal composite materials Patent [NASA-CASE-XLE-08511-2] c 18 N71-16105	Thermal radiation shielding Patent [NASA-CASE-XLE-03432] c 33 N71-24145	Electrical insulating layer process [NASA-CASE-LEW-10489-1] c 15 N72-25447
Thrust and direction control apparatus Patent [NASA-CASE-XLE-03583] c 31 N71-17629	Method of attaching a cover glass to a silicon solar cell Patent [NASA-CASE-XLE-08569-2] c 03 N71-24681	Method for producing dispersion strengthened alloys by converting metal to a halide, comminuting, reducing the metal halide to the metal and sintering [NASA-CASE-LEW-10450-1] c 15 N72-25448
Linear magnetic brake with two windings Patent [NASA-CASE-XLE-05079] c 15 N71-17652	Rocket engine injector Patent [NASA-CASE-XLE-03157] c 28 N71-24736	Selective nickel deposition [NASA-CASE-LEW-10965-1] c 15 N72-25452
Method of lubricating rolling element bearings Patent [NASA-CASE-XLE-09527] c 15 N71-17688	Multialarm summary alarm Patent [NASA-CASE-XLE-03061-1] c 10 N71-24798	Method of making fiber composites [NASA-CASE-LEW-10424-2-2] c 18 N72-25539
Hot wire liquid level detector for cryogenic fluids Patent [NASA-CASE-XLE-00454] c 23 N71-17802	Apparatus for making curved reflectors Patent [NASA-CASE-XLE-08917-2] c 15 N71-24836	Electricity measurement devices employing liquid crystalline materials [NASA-CASE-ERC-10275] c 26 N72-25680
Pulsed differential comparator circuit Patent [NASA-CASE-XLE-03804] c 10 N71-19471	Flow angle sensor and read out system Patent [NASA-CASE-XLE-04503] c 14 N71-24864	Ablative system [NASA-CASE-LEW-10359] c 33 N72-25911
Foil seal Patent [NASA-CASE-XLE-05130-2] c 15 N71-19570	Shock tube powder dispersing apparatus Patent [NASA-CASE-XLE-04946] c 17 N71-24911	Inductance device with vacuum insulation [NASA-CASE-LEW-10330-1] c 09 N72-27226
Generator for a space power system Patent [NASA-CASE-XLE-04250] c 09 N71-20446	Pneumatic oscillator Patent [NASA-CASE-LEW-10345-1] c 10 N71-25899	Apparatus for sensing temperature [NASA-CASE-XLE-05230] c 14 N72-27410
Method of making electrical contact on silicon solar cell and resultant product Patent [NASA-CASE-XLE-04787] c 03 N71-20492	Heat activated cell with alkali anode and alkali salt electrolyte Patent [NASA-CASE-LEW-11358] c 03 N71-26084	Apparatus for producing metal powders [NASA-CASE-XLE-06461-2] c 17 N72-28535
Small plasma probe Patent [NASA-CASE-XLE-02578] c 25 N71-20747	Method of producing refractory composites containing tantalum carbide, hafnium carbide, and hafnium boride Patent [NASA-CASE-XLE-03940] c 18 N71-26153	Refractory metal base alloy composites [NASA-CASE-XLE-03940-2] c 17 N72-28536
Combined electrolysis device and fuel cell and method of operation Patent [NASA-CASE-XLE-01645] c 03 N71-20904	Ion beam deflector Patent [NASA-CASE-LEW-10689-1] c 28 N71-26173	Spiral groove seal [NASA-CASE-XLE-10326-2] c 15 N72-29488
Pressure monitoring with a plurality of ionization gauges controlled at a central location Patent [NASA-CASE-XLE-00787] c 14 N71-21090	Rolling element bearings Patent [NASA-CASE-XLE-09527-2] c 15 N71-26189	Production of high purity I-123 [NASA-CASE-LEW-10518-1] c 24 N72-33681
Control of transverse instability in rocket combustors Patent [NASA-CASE-XLE-04603] c 33 N71-21507	Ion thruster accelerator system Patent [NASA-CASE-LEW-10106-1] c 28 N71-26642	Electrostatic collector for charged particles [NASA-CASE-LEW-11192-1] c 09 N73-13208
High voltage divider system Patent [NASA-CASE-XLE-02008] c 09 N71-21583	Propellant feed isolator Patent [NASA-CASE-LEW-10210-1] c 28 N71-26781	Method of making apparatus for sensing temperature [NASA-CASE-XLE-05230-2] c 14 N73-13417
Plasma device feed system Patent [NASA-CASE-XLE-02902] c 25 N71-21694	Heat activated cell Patent [NASA-CASE-LEW-11359] c 03 N71-28579	Method of forming superalloys [NASA-CASE-LEW-10805-1] c 15 N73-13465
Burning rate control of solid propellants Patent [NASA-CASE-XLE-03494] c 27 N71-21819	Process for glass coating an ion accelerator grid Patent [NASA-CASE-LEW-10278-1] c 15 N71-28582	Rocket thrust throttling system [NASA-CASE-LEW-10374-1] c 28 N73-13773
Protective device for machine and metalworking tools Patent [NASA-CASE-XLE-01092] c 15 N71-22797	Fluid jet amplifier Patent [NASA-CASE-XLE-09341] c 12 N71-28741	Gas turbine engine fuel control [NASA-CASE-LEW-11187-1] c 28 N73-19793
Cryogenic insulation system Patent [NASA-CASE-XLE-04222] c 23 N71-22881	Gas core nuclear reactor Patent [NASA-CASE-LEW-10250-1] c 22 N71-28759	Thermocouple tape [NASA-CASE-LEW-11072-1] c 14 N73-24472
Method for producing fiber reinforced metallic composites Patent [NASA-CASE-XLE-03925] c 18 N71-22894	Gas turbine combustor Patent [NASA-CASE-LEW-10286-1] c 28 N71-28915	Method and apparatus for sputtering utilizing an apertured electrode and a pulsed substrate bias [NASA-CASE-LEW-10920-1] c 17 N73-24569
Thermal shock apparatus Patent [NASA-CASE-XLE-02024] c 14 N71-22964	Cyclic switch Patent [NASA-CASE-LEW-10155-1] c 09 N71-29035	Magneto-plasma-dynamic arc thruster [NASA-CASE-LEW-11180-1] c 25 N73-25760
Arc electrode of graphite with ball tip Patent [NASA-CASE-XLE-04788] c 09 N71-22987	Temperature reducing coating for metals subject to flame exposure Patent [NASA-CASE-XLE-00035] c 33 N71-29151	Ablative system [NASA-CASE-LEW-10359-2] c 33 N73-25952
Gas purged dry box glove Patent [NASA-CASE-XLE-02531] c 05 N71-23080	Liquid spray cooling method Patent [NASA-CASE-XLE-00027] c 33 N71-29152	Parasitic suppressing circuit [NASA-CASE-ERC-10403-1] c 10 N73-26228
Automatic recording McLeod gauge Patent [NASA-CASE-XLE-03280] c 14 N71-23093	Turbo-machine blade vibration damper Patent [NASA-CASE-XLE-00155] c 28 N71-29154	Twisted multifilament superconductor [NASA-CASE-LEW-11726-1] c 26 N73-26752
Electronic cathode having a brush-like structure and a relatively thick oxide emissive coating Patent [NASA-CASE-XLE-04501] c 09 N71-23180	Corrosion resistant beryllium Patent [NASA-CASE-LEW-10327] c 17 N71-33408	Ophthalmic method and apparatus [NASA-CASE-XLE-11669-1] c 05 N73-27062
High temperature ferromagnetic cobalt-base alloy Patent [NASA-CASE-XLE-03629] c 17 N71-23248	Integrated thermoelectric generator/space antenna combination [NASA-CASE-XER-09521] c 09 N72-12136	Single grid accelerator for an ion thruster [NASA-CASE-XLE-10453-2] c 28 N73-27699
Induction furnace with perforated tungsten foil shielding Patent [NASA-CASE-XLE-04026] c 14 N71-23267	Sensing probe [NASA-CASE-LEW-10281-1] c 14 N72-17327	Preparation of polyimides from mixtures of monomeric diamines and esters of polycarboxylic acids [NASA-CASE-LEW-11325-1] c 06 N73-27980
Gd or Sm doped silicon semiconductor composition Patent [NASA-CASE-XLE-10715] c 26 N71-23292	Method of making emf cell [NASA-CASE-LEW-11359-2] c 03 N72-20034	Method and apparatus for measuring electromagnetic radiation [NASA-CASE-LEW-11159-1] c 14 N73-28488
Protection of serially connected solar cells against open circuits by the use of shunting diode Patent [NASA-CASE-XLE-04535] c 03 N71-23354	Gaseous control system for nuclear reactors [NASA-CASE-XLE-04599] c 22 N72-20597	Welding blades to rotors [NASA-CASE-LEW-10533-1] c 15 N73-28515
	Switching regulator [NASA-CASE-LEW-11005-1] c 09 N72-21243	Low mass rolling element for bearings [NASA-CASE-LEW-11087-1] c 15 N73-30458
		Swirl can primary combustor [NASA-CASE-LEW-11326-1] c 23 N73-30665
		Enhanced diffusion welding [NASA-CASE-LEW-11388-1] c 15 N73-32358

High speed hybrid bearing comprising a fluid bearing and a rolling bearing connected in series	[NASA-CASE-LEW-11152-1]	c 15	N73-32359
Nickel aluminum coated low alloy stainless steel	[NASA-CASE-LEW-11267-1]	c 17	N73-32414
Cobalt-base alloy	[NASA-CASE-LEW-10436-1]	c 17	N73-32415
Nuclear fuel elements	[NASA-CASE-XLE-00209]	c 22	N73-32528
Method of fabricating a twisted composite superconductor	[NASA-CASE-LEW-11015]	c 26	N73-32571
Space vehicle with artificial gravity and earth-like environment	[NASA-CASE-LEW-11101-1]	c 31	N73-32750
Production of hollow components for rolling element bearings by diffusion welding	[NASA-CASE-LEW-11026-1]	c 15	N73-33383
Electron beam controller	[NASA-CASE-LEW-11617-1]	c 33	N74-10195
Spiral groove seal	[NASA-CASE-LEW-10326-3]	c 37	N74-10474
Method of heat treating a formed powder product material	[NASA-CASE-LEW-10805-3]	c 26	N74-10521
Apparatus for welding blades to rotors	[NASA-CASE-LEW-10533-2]	c 37	N74-11300
High powered arc electrodes	[NASA-CASE-LEW-11162-1]	c 33	N74-12913
Method of forming articles of manufacture from superalloy powders	[NASA-CASE-LEW-11069-1]	c 37	N74-13179
Deposition of alloy films	[NASA-CASE-LEW-11262-1]	c 27	N74-13270
Supersonic-combustion rocket	[NASA-CASE-LEW-11058-1]	c 20	N74-13502
Method of making silicon solar cell array	[NASA-CASE-LEW-11069-1]	c 44	N74-14784
Spiral groove seal	[NASA-CASE-XLE-10326-4]	c 37	N74-15125
Method of making rolling element bearings	[NASA-CASE-LEW-11087-2]	c 37	N74-15128
Gas turbine exhaust nozzle	[NASA-CASE-LEW-11569-1]	c 07	N74-15453
Demodulator for carrier transducers	[NASA-CASE-NUC-10107-1]	c 33	N74-17930
Diffusion welding in air	[NASA-CASE-LEW-11387-1]	c 37	N74-18128
Airflow control system for supersonic inlets	[NASA-CASE-LEW-11188-1]	c 02	N74-20646
Rapidly pulsed, high intensity, incoherent light source	[NASA-CASE-XLE-2529-3]	c 33	N74-20859
Electromagnetic flow rate meter	[NASA-CASE-LEW-10981-1]	c 35	N74-21018
Diffusion welding	[NASA-CASE-LEW-11388-2]	c 37	N74-21055
Journal bearings	[NASA-CASE-LEW-11076-1]	c 37	N74-21061
Glass-to-metal seals comprising relatively high expansion metals	[NASA-CASE-LEW-10698-1]	c 37	N74-21063
Hollow rolling element bearings	[NASA-CASE-LEW-11087-3]	c 37	N74-21064
Low level signal limiter	[NASA-CASE-XLE-04791]	c 32	N74-22096
Load insensitive electrical device	[NASA-CASE-XER-11046-2]	c 33	N74-22864
Reinforced structural plastics	[NASA-CASE-LEW-10199-1]	c 27	N74-23125
Jet exhaust noise suppressor	[NASA-CASE-LEW-11286-1]	c 07	N74-27490
High current electrical lead	[NASA-CASE-LEW-10950-1]	c 33	N74-27683
Magnetocaloric pump	[NASA-CASE-LEW-11672-1]	c 37	N74-27904
Supersonic fan blading	[NASA-CASE-LEW-11402-1]	c 07	N74-28226
Production of pure metals	[NASA-CASE-LEW-10906-1]	c 25	N74-30502
Sputtering holes with ion beamlets	[NASA-CASE-LEW-11646-1]	c 20	N74-31269
Method of electroforming a rocket chamber	[NASA-CASE-LEW-11118-1]	c 20	N74-32919
Journal Bearings	[NASA-CASE-LEW-11076-2]	c 37	N74-32921
Hall effect magnetometer	[NASA-CASE-LEW-11632-2]	c 35	N75-13213
Method of protecting the surface of a substrate	[NASA-CASE-LEW-11696-1]	c 37	N75-13261
Circuit for detecting initial systole and diastolic notch	[NASA-CASE-LEW-11581-1]	c 54	N75-13531
Method of making dished ion thruster grids	[NASA-CASE-LEW-11694-1]	c 20	N75-18310
Duplex aluminized coatings	[NASA-CASE-LEW-11696-2]	c 26	N75-19408
High speed, self-acting shaft seal	[NASA-CASE-LEW-11274-1]	c 37	N75-21631
High power laser apparatus and system	[NASA-CASE-XLE-2529-2]	c 36	N75-27364
Combination automatic-starting electrical plasma torch and gas shutoff valve	[NASA-CASE-XLE-10717]	c 37	N75-29426
Flow measuring apparatus	[NASA-CASE-LEW-12078-1]	c 35	N75-30503
Lubricated journal bearing	[NASA-CASE-LEW-11076-3]	c 37	N75-30562
Protected isotope heat source	[NASA-CASE-LEW-11227-1]	c 73	N75-30876
Drilled ball bearing with a one piece anti-tipping cage assembly	[NASA-CASE-LEW-11925-1]	c 37	N75-31446
Method of making an insulation foil	[NASA-CASE-LEW-11484-1]	c 24	N75-33181
Ophthalmic liquidation pump	[NASA-CASE-LEW-12051-1]	c 52	N75-33640
Controlled separation combustor	[NASA-CASE-LEW-11593-1]	c 20	N76-14190
Rocket chamber and method of making	[NASA-CASE-LEW-11118-2]	c 20	N76-14191
Shock position sensor for supersonic inlets	[NASA-CASE-LEW-11915-1]	c 35	N76-14431
Apparatus for forming dished ion thruster grids	[NASA-CASE-LEW-11694-2]	c 37	N76-14461
Covered silicon solar cells and method of manufacture	[NASA-CASE-LEW-11065-2]	c 44	N76-14600
High temperature beryllium oxide capacitor	[NASA-CASE-LEW-11938-1]	c 33	N76-15373
Thermocouple tape	[NASA-CASE-LEW-11072-2]	c 35	N76-15434
Fluid journal bearings	[NASA-CASE-LEW-11076-4]	c 37	N76-15461
Deuterium pass through target	[NASA-CASE-LEW-11866-1]	c 72	N76-15860
Fused silicide coatings containing discrete particles for protecting niobium alloys	[NASA-CASE-LEW-11179-1]	c 27	N76-16229
Process for making anhydrous metal halides	[NASA-CASE-LEW-11860-1]	c 37	N76-18458
Method of constructing dished ion thruster grids to provide hole array spacing compensation	[NASA-CASE-LEW-11876-1]	c 20	N76-21276
Bearing material	[NASA-CASE-LEW-11930-1]	c 24	N76-22309
Fluid seal for rotating shafts	[NASA-CASE-LEW-11676-1]	c 37	N76-22541
Method of making an apertured casting	[NASA-CASE-LEW-11169-1]	c 37	N76-23570
Process for fabricating SiC semiconductor devices	[NASA-CASE-LEW-12094-1]	c 76	N76-25049
Method of producing I-123	[NASA-CASE-LEW-11390-2]	c 25	N76-27383
Production of I-123	[NASA-CASE-LEW-11390-3]	c 25	N76-29379
Thrust bearing	[NASA-CASE-LEW-11949-1]	c 37	N76-29588
Ion beam thruster shield	[NASA-CASE-LEW-12082-1]	c 20	N77-10148
Dual output variable pitch turbofan actuation system	[NASA-CASE-LEW-12419-1]	c 07	N77-14025
Silicon nitride coated, plastic covered solar cell	[NASA-CASE-LEW-11496-1]	c 44	N77-14580
Electrically rechargeable REDOX flow cell	[NASA-CASE-LEW-12220-1]	c 44	N77-14581
Reverse pitch fan with divided splitter	[NASA-CASE-LEW-12760-1]	c 07	N77-17059
Electronic analog divider	[NASA-CASE-LEW-11881-1]	c 33	N77-17354
Leading edge protection for composite blades	[NASA-CASE-LEW-12550-1]	c 24	N77-19170
Method of making reinforced composite structure	[NASA-CASE-LEW-12619-1]	c 24	N77-19171
Solar cell assembly	[NASA-CASE-LEW-11549-1]	c 44	N77-19571
Anode for ion thruster	[NASA-CASE-LEW-12048-1]	c 20	N77-20162
Zirconium modified nickel-copper alloy	[NASA-CASE-LEW-12245-1]	c 26	N77-20201
Gels as battery separators for soluble electrode cells	[NASA-CASE-LEW-12364-1]	c 44	N77-22606
Oil cooling system for a gas turbine engine	[NASA-CASE-LEW-12630-1]	c 07	N77-23106
Process for preparing liquid metal electrical contact device	[NASA-CASE-LEW-11978-1]	c 33	N77-26385
Blade retainer assembly	[NASA-CASE-LEW-12608-1]	c 07	N77-27116
Hybrid composite laminate structures	[NASA-CASE-LEW-12118-1]	c 24	N77-27188
Bi-metallic junctions	[NASA-CASE-LEW-11573-1]	c 26	N77-28265
Sustained arc ignition system	[NASA-CASE-LEW-12444-1]	c 33	N77-28385
Hydrostatic bearing support	[NASA-CASE-LEW-11158-1]	c 37	N77-28486
Corneal seal device	[NASA-CASE-LEW-12258-1]	c 52	N77-28716
Solar cell shingle	[NASA-CASE-LEW-12587-1]	c 44	N77-31601
Platform for a swing root turbomachinery blade	[NASA-CASE-LEW-12312-1]	c 07	N77-32148
Directionally solidified eutectic gamma plus beta nickel-base superalloys	[NASA-CASE-LEW-12906-1]	c 26	N77-32279
Nickel base alloy	[NASA-CASE-LEW-12270-1]	c 26	N77-32280
Thermocouples of tantalum and rhenium alloys for more stable vacuum-high temperature performance	[NASA-CASE-LEW-12050-1]	c 35	N77-32454
Spatial filter for Q-switched lasers	[NASA-CASE-LEW-12164-1]	c 36	N77-32478
Deformable bearing seat	[NASA-CASE-LEW-12527-1]	c 37	N77-32500
Bearing seat usable in a gas turbine engine	[NASA-CASE-LEW-12477-1]	c 37	N77-32501
Fuel combustor	[NASA-CASE-LEW-12137-1]	c 25	N78-10224
Oil cooling system for a gas turbine engine	[NASA-CASE-LEW-12321-1]	c 37	N78-10467
Impact absorbing blade mounts for variable pitch blades	[NASA-CASE-LEW-12313-1]	c 37	N78-10468
Method of forming metal hydride films	[NASA-CASE-LEW-12083-1]	c 37	N78-13436
In-situ laser retorting of oil shale	[NASA-CASE-LEW-12217-1]	c 43	N78-14452
Multi-cell battery protection system	[NASA-CASE-LEW-12039-1]	c 44	N78-14625
Tissue macerating instrument	[NASA-CASE-LEW-12668-1]	c 52	N78-14773
Trimerization of aromatic nitriles	[NASA-CASE-LEW-12053-1]	c 27	N78-15276
Variable thrust nozzle for quiet turbofan engine and method of operating same	[NASA-CASE-LEW-12317-1]	c 07	N78-17055
Gas turbine engine with convertible accessories	[NASA-CASE-LEW-12390-1]	c 07	N78-17056
Closed loop spray cooling apparatus	[NASA-CASE-LEW-11981-1]	c 31	N78-17237
Particle parameter analyzing system	[NASA-CASE-XLE-06094]	c 33	N78-17293
Magnetic heat pumping	[NASA-CASE-LEW-12508-1]	c 34	N78-17335
Variable cycle gas turbine engines	[NASA-CASE-LEW-12916-1]	c 37	N78-17384
Integrated gas turbine engine-nacelle	[NASA-CASE-LEW-12389-2]	c 07	N78-18066
Variable mixer propulsion cycle	[NASA-CASE-LEW-12917-1]	c 07	N78-18067
Tantalum modified ferritic iron base alloys	[NASA-CASE-LEW-12095-1]	c 26	N78-18182
Directionally solidified eutectic gamma-gamma nickel-base superalloys	[NASA-CASE-LEW-12905-1]	c 26	N78-18183
Thermal barrier coating system	[NASA-CASE-LEW-12554-1]	c 34	N78-18355
Selective coating for solar panels	[NASA-CASE-LEW-12159-1]	c 44	N78-19599
Atomic hydrogen storage method and apparatus	[NASA-CASE-LEW-12081-1]	c 28	N78-24365
Automotive gas turbine fuel control	[NASA-CASE-LEW-12785-1]	c 37	N78-24545
Gas turbine engine with recirculating bleed	[NASA-CASE-LEW-12452-1]	c 07	N78-25089
Counter pumping debris excluder and separator	[NASA-CASE-LEW-11855-1]	c 07	N78-25090
Apparatus for extraction and separation of a preferentially photo-dissociated molecular isotope into positive and negative ions by means of an electric field	[NASA-CASE-LEW-12465-1]	c 25	N78-25148
Flow compensating pressure regulator	[NASA-CASE-LEW-12718-1]	c 34	N78-25351
Solar cell collector	[NASA-CASE-LEW-12552-1]	c 44	N78-25527
Method of making encapsulated solar cell modules	[NASA-CASE-LEW-12185-1]	c 44	N78-25528
Method for producing solar energy panels by automation	[NASA-CASE-LEW-12541-1]	c 44	N78-25529
Inorganic-organic separators for alkaline batteries	[NASA-CASE-LEW-12649-1]	c 44	N78-25530
Targets for producing high purity I-123	[NASA-CASE-LEW-10518-3]	c 25	N78-27226
Direct heating surface combustor	[NASA-CASE-LEW-11877-1]	c 34	N78-27357

- Regulated high efficiency, lightweight capacitor-diode multiplier dc to dc converter
[NASA-CASE-LEW-12791-1] c 33 N78-32341
- Redundant disc
[NASA-CASE-LEW-12496-1] c 07 N78-33101
- Apparatus and method for reducing thermal stress in a turbine rotor
[NASA-CASE-LEW-12232-1] c 07 N79-10057
- Traveling wave tube circuit
[NASA-CASE-LEW-12013-1] c 33 N79-10339
- Cantilever mounted resilient pad gas bearing
[NASA-CASE-LEW-12569-1] c 37 N79-10418
- Fuel delivery system including heat exchanger means
[NASA-CASE-LEW-12793-1] c 37 N79-11403
- Solar cells having integral collector grids
[NASA-CASE-LEW-12819-1] c 44 N79-11467
- Application of semiconductor diffusants to solar cells by screen printing
[NASA-CASE-LEW-12775-1] c 44 N79-11468
- Solar cell collector and method for producing same
[NASA-CASE-LEW-12552-2] c 44 N79-11472
- Heat exchanger
[NASA-CASE-LEW-12252-1] c 34 N79-13288
- Heat exchanger and method of making
[NASA-CASE-LEW-12441-1] c 34 N79-13289
- Cam-operated pitch-change apparatus
[NASA-CASE-LEW-13050-1] c 07 N79-14095
- Integrated gas turbine engine-nacelle
[NASA-CASE-LEW-12389-3] c 07 N79-14096
- Variable area exhaust nozzle
[NASA-CASE-LEW-12378-1] c 07 N79-14097
- Indicated mean-effective pressure instrument
[NASA-CASE-LEW-12661-1] c 35 N79-14345
- Thermocouples of molybdenum and indium alloys for more stable vacuum-high temperature performance
[NASA-CASE-LEW-12174-2] c 35 N79-14346
- Back wall solar cell
[NASA-CASE-LEW-12236-2] c 44 N79-14528
- Sound-suppressing structure with thermal relief
[NASA-CASE-LEW-12658-1] c 71 N79-14871
- Fine particulate capture device
[NASA-CASE-LEW-11583-1] c 35 N79-17192
- Formulated plastic separators for soluble electrode cells
[NASA-CASE-LEW-12358-1] c 44 N79-17313
- Method of making bearing materials
[NASA-CASE-LEW-11930-4] c 24 N79-17916
- Composite seal for turbomachinery
[NASA-CASE-LEW-12131-1] c 37 N79-18318
- Method for fabricating solar cells having integrated collector grids
[NASA-CASE-LEW-12819-2] c 44 N79-18444
- Closed loop solar array-ion thruster system with power control circuitry
[NASA-CASE-LEW-12780-1] c 20 N79-20179
- Closed loop spray cooling apparatus
[NASA-CASE-LEW-11981-2] c 34 N79-20336
- Hypervelocity gun
[NASA-CASE-XLE-03186-1] c 09 N79-21084
- Low heat leak connector for cryogenic system
[NASA-CASE-XLE-02367-1] c 31 N79-21225
- Method for the preparation of inorganic single crystal and polycrystalline electronic materials
[NASA-CASE-XLE-02545-1] c 76 N79-21910
- Method and device for the detection of phenol and related compounds
[NASA-CASE-LEW-12513-1] c 25 N79-22235
- Process for making a high toughness-high strength ion alloy
[NASA-CASE-LEW-12542-2] c 26 N79-22271
- Shaft seal assembly for high speed and high pressure applications
[NASA-CASE-LEW-11873-1] c 37 N79-22475
- Self stabilizing sonic inlet
[NASA-CASE-LEW-11890-1] c 05 N79-24976
- In situ self cross-linking of polyvinyl alcohol battery separators
[NASA-CASE-LEW-12972-1] c 44 N79-25481
- Electrochemical cell for rebalancing REDOX flow system
[NASA-CASE-LEW-13150-1] c 44 N79-26474
- Catalytic trimerization of aromatic nitriles and triaryl-s-triazine ring cross-linked high temperature resistant polymers and copolymers made thereby
[NASA-CASE-LEW-12053-2] c 27 N79-28307
- Supercharged topping rocket propellant feed system
[NASA-CASE-XLE-02062-1] c 20 N80-14188
- Self-reconfiguring solar cell system
[NASA-CASE-LEW-12586-1] c 44 N80-14472
- Intra-ocular pressure normalization technique and equipment
[NASA-CASE-LEW-12955-1] c 52 N80-14684
- Method and apparatus for rapid thrust increases in a turbofan engine
[NASA-CASE-LEW-12971-1] c 07 N80-18039
- Gas path seal
[NASA-CASE-NPO-12131-3] c 37 N80-18400
- Intra-ocular pressure normalization technique and equipment
[NASA-CASE-LEW-12723-1] c 52 N80-18690
- Coupled cavity traveling wave tube with velocity tapering
[NASA-CASE-LEW-12296-1] c 33 N80-19425
- Atomic hydrogen storage
[NASA-CASE-LEW-12081-2] c 28 N80-20402
- Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-1] c 33 N80-20487
- Modification of the electrical and optical properties of polymers
[NASA-CASE-LEW-13027-1] c 27 N80-24437
- Heat exchanger and method of making
[NASA-CASE-LEW-12441-2] c 34 N80-24573
- Composite seal for turbomachinery
[NASA-CASE-LEW-12131-2] c 37 N80-26658
- Diesel engine catalytic combustor system
[NASA-CASE-LEW-12995-1] c 37 N80-26659
- Circumferential shaft seal
[NASA-CASE-LEW-12119-1] c 37 N80-28711
- Free-piston regenerative hot gas hydraulic engine
[NASA-CASE-LEW-12274-1] c 37 N80-31790
- High toughness-high strength iron alloy
[NASA-CASE-LEW-12542-3] c 26 N80-32484
- Method of cross-linking polyvinyl alcohol and other water soluble resins
[NASA-CASE-LEW-13103-1] c 27 N80-32516
- Hydrogen hollow cathode ion source
[NASA-CASE-LEW-12940-1] c 72 N80-33186
- Method of making bearing material
[NASA-CASE-LEW-11930-3] c 24 N80-33482
- Solar cell system having alternating current output
[NASA-CASE-LEW-12806-2] c 44 N81-12542
- Atomic hydrogen storage method and apparatus
[NASA-CASE-LEW-12081-3] c 28 N81-14103
- Curved centerline air intake for a gas turbine engine
[NASA-CASE-LEW-13201-1] c 07 N81-14999
- Improved refractory coatings
[NASA-CASE-LEW-23169-2] c 26 N81-16209
- Method for alleviating thermal stress damage in laminates
[NASA-CASE-LEW-12493-1] c 24 N81-17170
- Curing agent for polyepoxides and epoxy resins and composites cured therewith
[NASA-CASE-LEW-13226-1] c 27 N81-17260
- Apparatus for sensor failure detection and correction in a gas turbine engine control system
[NASA-CASE-LEW-12907-2] c 07 N81-19115
- Integrated control system for a gas turbine engine
[NASA-CASE-LEW-12594-2] c 07 N81-19116
- Heat pipes to reduce engine exhaust emissions
[NASA-CASE-LEW-12590-1] c 25 N81-19245
- Composition and method for making polyimide resin-reinforced fabric
[NASA-CASE-LEW-12933-1] c 27 N81-19296
- Method of cold welding using ion beam technology
[NASA-CASE-LEW-12982-1] c 37 N81-19455
- Multiple plate hydrostatic viscous damper
[NASA-CASE-LEW-12445-1] c 37 N81-22360
- In-situ cross linking of polyvinyl alcohol
[NASA-CASE-LEW-13135-2] c 27 N81-24257
- Ladder supported ring bar circuit
[NASA-CASE-LEW-13570-1] c 33 N81-24348
- Self-stabilizing radial face seal
[NASA-CASE-LEW-12991-1] c 37 N81-24442
- Heat exchanger and method of making
[NASA-CASE-LEW-12441-3] c 44 N81-24519
- Toroidal cell and battery
[NASA-CASE-LEW-12918-1] c 44 N81-24521
- Corrosion resistant thermal barrier coating
[NASA-CASE-LEW-13088-1] c 26 N81-25188
- Method for alleviating thermal stress damage in laminates
[NASA-CASE-LEW-12493-2] c 24 N81-26179
- Circumferential shaft seal
[NASA-CASE-LEW-12119-2] c 37 N81-26447
- Additive for zinc electrodes
[NASA-CASE-LEW-13286-1] c 44 N81-27597
- Polyvinyl alcohol battery separator containing inert filler
[NASA-CASE-LEW-13556-1] c 44 N81-27615
- Supercritical fuel injection system
[NASA-CASE-LEW-12990-1] c 07 N81-29129
- Cross-linked polyvinyl alcohol and method of making same
[NASA-CASE-LEW-13101-2] c 23 N81-29160
- Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-2] c 44 N81-29524
- Alkaline battery containing a separator of a cross-linked copolymer of vinyl alcohol and unsaturated carboxylic acid
[NASA-CASE-LEW-13102-1] c 44 N81-29531
- Castable high temperature refractory materials
[NASA-CASE-LEW-13080-2] c 27 N82-11210
- High thermal power density heat transfer
[NASA-CASE-LEW-12950-1] c 34 N82-11399
- Modified face seal for positive film stiffness
[NASA-CASE-LEW-12989-1] c 37 N82-12442
- Composite seal for turbomachinery
[NASA-CASE-LEW-12131-3] c 37 N82-19540
- Method of making formulated plastic separators for soluble electrode cells
[NASA-CASE-LEW-12358-2] c 25 N82-21268
- Method and apparatus for coating substrates using lasers
[NASA-CASE-LEW-13526-1] c 26 N82-22347
- Improved chromium electrodes for REDOX cells
[NASA-CASE-LEW-13653-1] c 44 N82-22672
- Light weight nickel battery plaque
[NASA-CASE-LEW-13349-1] c 44 N82-22673
- Multistage depressed collector for dual mode operation
[NASA-CASE-LEW-13282-1] c 33 N82-24415
- Simplified dc to dc converter
[NASA-CASE-LEW-13495-1] c 33 N82-24432
- Thrust reverser for a long duct fan engine
[NASA-CASE-LEW-13199-1] c 07 N82-26293
- Real time pressure signal system for a rotary engine
[NASA-CASE-LEW-13622-1] c 07 N82-26294
- Method and apparatus for strengthening boron fibers
[NASA-CASE-LEW-13826-1] c 24 N82-26385
- Ion beam textured graphite electrode plates
[NASA-CASE-LEW-12919-2] c 24 N82-26386
- Improved thermal barrier coating system
[NASA-CASE-LEW-13324-1] c 26 N82-26431
- Coupled cavity traveling wave tube with velocity tapering
[NASA-CASE-LEW-12296-1] c 33 N82-26568
- Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-2] c 37 N82-26674
- Texturing polymer surfaces by transfer casting
[NASA-CASE-LEW-13120-1] c 27 N82-28440
- Method of protecting a surface with a silicon-slurry/aluminate coating
[NASA-CASE-LEW-13343-1] c 27 N82-28441
- Refractory coatings and method of producing the same
[NASA-CASE-LEW-13169-1] c 26 N82-29415
- Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-1] c 27 N82-29453
- Advanced inorganic separators for alkaline batteries
[NASA-CASE-LEW-13171-1] c 44 N82-29708
- Method of making a high voltage V-groove solar cell
[NASA-CASE-LEW-13401-1] c 44 N82-29709
- Refractory coatings
[NASA-CASE-LEW-13169-2] c 26 N82-30371
- Nickel ternary alloy having improved cyclic oxidation resistance
[NASA-CASE-LEW-13339-1] c 26 N82-31505
- High voltage planar multijunction solar cell
[NASA-CASE-LEW-13400-1] c 44 N82-31764
- Micronized coal burner facility
[NASA-CASE-LEW-13426-1] c 44 N82-31769
- Active clearance control system for a turbomachine
[NASA-CASE-LEW-12938-1] c 07 N82-32366
- Surface texturing of fluoropolymers
[NASA-CASE-LEW-13028-1] c 27 N82-33521
- Overlay metallic-cermet alloy coating systems
[NASA-CASE-LEW-13639-1] c 27 N82-33522
- Ion sputter textured graphite
[NASA-CASE-LEW-12919-1] c 24 N83-10117
- Mechanical bonding of metal method
[NASA-CASE-LEW-12941-1] c 26 N83-10170
- Method for depositing an oxide coating
[NASA-CASE-LEW-13131-1] c 44 N83-10494
- Method and apparatus for gripping uniaxial fibrous composite materials
[NASA-CASE-LEW-13758-1] c 24 N83-12176
- Polyvinyl alcohol cross-linked with two aldehydes
[NASA-CASE-LEW-13504-1] c 25 N83-13188
- Chemical approach for controlling nadamide cure temperature and rate
[NASA-CASE-LEW-13770-1] c 27 N83-13258
- Solar cell having improved back surface reflector
[NASA-CASE-LEW-13620-1] c 44 N83-13579
- Tip cap for a rotor blade
[NASA-CASE-LEW-13654-1] c 07 N83-14129
- Heat transparent high intensity high efficiency solar cell
[NASA-CASE-LEW-12892-1] c 44 N83-14692
- Steam cooled nch-burn combustor liner
[NASA-CASE-LEW-13609-1] c 25 N83-17628

- Coating with overlay metallic-cermet alloy systems
[NASA-CASE-LEW-13639-2] c 26 N83-17683
- Method of fabricating an abrasible gas path seal
[NASA-CASE-LEW-13269-2] c 27 N83-17714
- Improved high temperature resistant polyimides
[NASA-CASE-LEW-13864-1] c 27 N83-17715
- Multicolor printing plate joining
[NASA-CASE-LEW-13598-1] c 31 N83-17745
- Dielectric based submillimeter backward wave oscillator circuit
[NASA-CASE-LEW-13736-1] c 33 N83-17802
- Multiple plate hydrostatic viscous damper
[NASA-CASE-LEW-13445-2] c 37 N83-17883
- Heat pipes containing alkali metal working fluid
[NASA-CASE-LEW-12253-1] c 74 N83-19596
- Variable force, eddy-current or magnetic damper
[NASA-CASE-LEW-13717-1] c 39 N83-20284
- Screen printed interdigitated back contact solar cell
[NASA-CASE-LEW-13414-1] c 44 N83-20374
- Ion beam sputter etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-2] c 52 N83-20539
- Laser surface fusion of plasma sprayed ceramic turbine seals
[NASA-CASE-LEW-13269-1] c 18 N83-20996
- Ion beam sputter-etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-1] c 52 N83-21785
- Ring-cusp ion thruster with shell anode
[NASA-CASE-LEW-13881-1] c 72 N83-21903
- Improved nickel base coating alloy
[NASA-CASE-LEW-13834-1] c 26 N83-24639
- Inelastic tunnel diodes
[NASA-CASE-LEW-13833-1] c 33 N83-25983
- A linearized traveling wave amplifier with hard limiter characteristics
[NASA-CASE-LEW-13981-1] c 33 N83-25984
- Solar energy converter using surface plasma waves
[NASA-CASE-LEW-13827-1] c 44 N83-26258
- Curved film cooling admission tube
[NASA-CASE-LEW-13174-1] c 34 N83-27144
- Zirconium carbide as an electrocatalyst for the chromous-chromic redox couple
[NASA-CASE-LEW-13246-1] c 44 N83-27344
- Diamondlike flake composites
[NASA-CASE-LEW-13837-1] c 24 N83-28095
- Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-3] c 37 N83-28450
- Piezoelectric deicing device
[NASA-CASE-LEW-13773-1] c 05 N83-29197
- Method of forming oxide coatings
[NASA-CASE-LEW-13132-1] c 27 N83-29388
- Low temperature cross linking polyimides
[NASA-CASE-LEW-12876-2] c 27 N83-29392
- Magnetic heat pumping
[NASA-CASE-LEW-12508-3] c 34 N83-29625
- High thermal power density heat transfer apparatus providing electrical isolation at high temperature using heat pipes
[NASA-CASE-LEW-12950-2] c 44 N83-29804
- Polyvinyl alcohol battery separator containing inert filler
[NASA-CASE-LEW-13556-2] c 44 N83-29805
- Chemical approach for controlling nadamide cure temperature and rate
[NASA-CASE-LEW-13770-2] c 27 N83-30651
- Method for terminal position determination in Earth terminal-to-satellite burst acquisition and synchronization
[NASA-CASE-LEW-13893-1] c 32 N83-30632
- Air modulation apparatus
[NASA-CASE-LEW-13524-1] c 34 N83-30957
- Control means for a gas turbine engine
[NASA-CASE-LEW-14586-1] c 07 N83-31603
- Silicon-slurry/aluminide coating
[NASA-CASE-LEW-13343] c 26 N83-31795
- Thermal barrier coating system having improved adhesion
[NASA-CASE-LEW-1335901] c 27 N83-31855
- Gyrotron transmitting tube
[NASA-CASE-LEW-13429-1] c 33 N83-31952
- Thermionic energy converters
[NASA-CASE-LEW-12443-1] c 44 N83-32175
- Advanced inorganic separators for alkaline batteries and method of making the same
[NASA-CASE-LEW-13171-2] c 44 N83-32176
- High voltage v-groove solar cell
[NASA-CASE-LEW-13401-2] c 44 N83-32177
- Improved thermal barrier coating system
[NASA-CASE-LEW-13324-2] c 26 N83-34014
- Piezoelectric composite materials
[NASA-CASE-LEW-12582-1] c 76 N83-34796
- Covering solid, film cooled surfaces with a duplex thermal barrier coating
[NASA-CASE-LEW-13450-1] c 31 N83-35177
- Joining lead wires to thin platinum alloy films
[NASA-CASE-LEW-13934-1] c 35 N83-35338
- Apparatus for improving the fuel efficiency of a gas turbine engine
[NASA-CASE-LEW-13142-1] c 07 N83-36029
- National Aeronautics and Space Administration.**
Manned Spacecraft Center, Cape Canaveral, Fla.
Electrode for biological recording
[NASA-CASE-XMS-02872] c 05 N69-21925
- National Aeronautics and Space Administration.**
Manned Spacecraft Center, Langley Station, Va.
Plural recorder system
[NASA-CASE-XMS-06949] c 09 N69-21467
- National Aeronautics and Space Administration.**
Marshall Space Flight Center, Huntsville, Ala.
Electrical feed-through connection for printed circuit boards and printed cable
[NASA-CASE-XMF-01483] c 14 N69-27431
- Method for detecting hydrogen gas
[NASA-CASE-XMF-03873] c 06 N69-39733
- Electrical connector Patent Application
[NASA-CASE-MFS-14741] c 09 N70-20737
- Angular measurement system Patent
[NASA-CASE-XMF-00447] c 14 N70-33179
- Insulating structure Patent
[NASA-CASE-XMF-00341] c 15 N70-33323
- Space vehicle electrical system Patent
[NASA-CASE-XMF-00517] c 03 N70-34157
- Pivotal shock absorbing pad assembly Patent
[NASA-CASE-XMF-03856] c 31 N70-34159
- Gimbale, partially submerged rocket nozzle Patent
[NASA-CASE-XMF-01544] c 28 N70-34162
- Recoverable rocket vehicle Patent
[NASA-CASE-XMF-00389] c 31 N70-34176
- Electrical discharge apparatus for forming Patent
[NASA-CASE-XMF-00375] c 15 N70-34249
- Optical inspection apparatus Patent
[NASA-CASE-XMF-00462] c 14 N70-34298
- Relay binary circuit Patent
[NASA-CASE-XMF-00421] c 09 N70-34502
- Attitude and propellant flow control system and method Patent
[NASA-CASE-XMF-00185] c 21 N70-34539
- Electrical connector for flat cables Patent
[NASA-CASE-XMF-00324] c 09 N70-34596
- Externally pressurized fluid bearing Patent
[NASA-CASE-XMF-00515] c 15 N70-34664
- Force measuring instrument Patent
[NASA-CASE-XMF-00456] c 14 N70-34705
- Seismic displacement transducer Patent
[NASA-CASE-XMF-00479] c 14 N70-34794
- Electric arc welding Patent
[NASA-CASE-XMF-00392] c 15 N70-34814
- Assembly for recovering a capsule Patent
[NASA-CASE-XMF-00641] c 31 N70-36410
- Printed cable connector Patent
[NASA-CASE-XMF-00369] c 09 N70-36494
- Landing pad assembly for aerospace vehicles Patent
[NASA-CASE-XMF-02853] c 31 N70-36654
- Electric arc driven wind tunnel Patent
[NASA-CASE-XMF-00411] c 11 N70-36913
- Gravity device Patent
[NASA-CASE-XMF-00424] c 11 N70-38196
- Injector for bipropellant rocket engines Patent
[NASA-CASE-XMF-00148] c 28 N70-38710
- Electronic motor control system Patent
[NASA-CASE-XMF-01129] c 09 N70-38712
- Slosh suppressing device and method Patent
[NASA-CASE-XMF-00658] c 12 N70-38997
- Air bearing Patent
[NASA-CASE-XMF-00339] c 15 N70-39896
- Instrument support with precise lateral adjustment Patent
[NASA-CASE-XMF-00480] c 14 N70-39898
- Segmented back-up bar Patent
[NASA-CASE-XMF-00640] c 15 N70-39924
- Collapsible loop antenna for space vehicle Patent
[NASA-CASE-XMF-00437] c 07 N70-40202
- Flexible back-up bar Patent
[NASA-CASE-XMF-00722] c 15 N70-40204
- Electro-optical alignment control system Patent
[NASA-CASE-XMF-00908] c 14 N70-40238
- Missile launch release system Patent
[NASA-CASE-XMF-03198] c 30 N70-40353
- Double-acting shock absorber Patent
[NASA-CASE-XMF-01045] c 15 N70-40354
- Portable alignment tool Patent
[NASA-CASE-XMF-01452] c 15 N70-41371
- Device for suppressing sound and heat produced by high-velocity exhaust jets Patent
[NASA-CASE-XMF-01813] c 28 N70-41582
- Unfired-ceramic flame-resistant insulation and method of making the same Patent
[NASA-CASE-XMF-01030] c 18 N70-41583
- Pulse counting circuit which simultaneously indicates the occurrence of the nth pulse Patent
[NASA-CASE-XMF-00906] c 09 N70-41655
- Support apparatus for dynamic testing Patent
[NASA-CASE-XMF-01772] c 11 N70-41677
- Locking device with rolling detents Patent
[NASA-CASE-XMF-01371] c 15 N70-41829
- Tank construction for space vehicles Patent
[NASA-CASE-XMF-01899] c 31 N70-41948
- Positive displacement flowmeter Patent
[NASA-CASE-XMF-02822] c 14 N70-41994
- Hydraulic support for dynamic testing Patent
[NASA-CASE-XMF-03248] c 11 N71-10604
- Fiber optic vibration transducer and analyzer Patent
[NASA-CASE-XMF-02433] c 14 N71-10616
- Method and means for damping nutation in a satellite Patent
[NASA-CASE-XMF-00442] c 31 N71-10747
- Heat pipe thermionic diode power system Patent
[NASA-CASE-XMF-05843] c 03 N71-11055
- Synthesis of siloxane-containing epoxy polymers Patent
[NASA-CASE-MFS-13994-1] c 06 N71-11240
- Bi-carrier demodulator with modulation Patent
[NASA-CASE-XMF-01160] c 07 N71-11298
- Harness assembly Patent
[NASA-CASE-MFS-14671] c 05 N71-12341
- Magnetic matrix memory system Patent
[NASA-CASE-XMF-05835] c 08 N71-12504
- Pulse amplitude and width detector Patent
[NASA-CASE-XMF-06519] c 09 N71-12519
- Microwave power receiving antenna Patent
[NASA-CASE-MFS-20333] c 09 N71-13486
- Hybrid holographic system using reflected and transmitted object beams simultaneously Patent
[NASA-CASE-MFS-20074] c 16 N71-15565
- Reactance control system Patent
[NASA-CASE-XMF-01598] c 21 N71-15583
- Apparatus for welding torch angle and seam tracking control Patent
[NASA-CASE-XMF-03287] c 15 N71-15607
- Multway vortex valve system Patent
[NASA-CASE-XMF-04709] c 15 N71-15609
- Injector assembly for liquid fueled rocket engines Patent
[NASA-CASE-XMF-00968] c 28 N71-15660
- Space capsule ejection assembly Patent
[NASA-CASE-XMF-03169] c 31 N71-15675
- Air cushion lift pad Patent
[NASA-CASE-MFS-14685] c 31 N71-15689
- Method of making a molded connector Patent
[NASA-CASE-XMF-03498] c 15 N71-15986
- Regenerative braking system Patent
[NASA-CASE-XMF-01096] c 10 N71-16030
- Condition and condition duration indicator Patent
[NASA-CASE-XMF-01097] c 10 N71-16058
- Method and apparatus for securing to a spacecraft Patent
[NASA-CASE-MFS-11133] c 31 N71-16222
- Method and apparatus of simulating zero gravity conditions Patent
[NASA-CASE-MFS-12750] c 27 N71-16223
- Passive optical wind and turbulence detection system Patent
[NASA-CASE-XMF-14032] c 20 N71-16340
- Serpentuator Patent
[NASA-CASE-XMF-05344] c 31 N71-16345
- Gravimeter Patent
[NASA-CASE-XMF-05844] c 14 N71-17587
- High pressure gas filter system Patent
[NASA-CASE-MFS-12806] c 14 N71-17588
- Burst diaphragm flow initiator Patent
[NASA-CASE-MFS-12915] c 11 N71-17600
- Vacuum deposition apparatus Patent
[NASA-CASE-XMF-01687] c 15 N71-17647
- Quick disconnect latch and handle combination Patent
[NASA-CASE-MFS-11132] c 15 N71-17649
- Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114] c 15 N71-17650
- Low temperature flexure fatigue cryostat Patent
[NASA-CASE-XMF-02964] c 14 N71-17659
- Precision stepping drive Patent
[NASA-CASE-MFS-14772] c 15 N71-17692
- Multi-mission module Patent
[NASA-CASE-XMF-01543] c 31 N71-17730
- Ratchet mechanism Patent
[NASA-CASE-MFS-12805] c 15 N71-17805
- Method of making impurity-type semiconductor electrical contacts Patent
[NASA-CASE-XMF-01016] c 26 N71-17818
- Apparatus for the determination of the existence or non-existence of a bonding between two members Patent
[NASA-CASE-MFS-13686] c 15 N71-18132

Static inverters which sum a plurality of waves Patent
[NASA-CASE-XMF-00663] c 08 N71-18752

Space environmental work simulator Patent
[NASA-CASE-XMF-07488] c 11 N71-18773

Space manufacturing machine Patent
[NASA-CASE-MFS-20410] c 15 N71-19214

Extensometer Patent
[NASA-CASE-XMF-04680] c 15 N71-19489

Mechanical simulator of low gravity conditions Patent
[NASA-CASE-MFS-10555] c 11 N71-19494

Weld control system using thermocouple wire Patent
[NASA-CASE-MFS-06074] c 15 N71-20393

Evaporant source for vapor deposition Patent
[NASA-CASE-XMF-06065] c 15 N71-20395

Satellite despin device Patent
[NASA-CASE-XMF-08523] c 31 N71-20396

Method of coating circuit paths on printed circuit boards with solder Patent
[NASA-CASE-XMF-01599] c 09 N71-20705

Elastomeric silazane polymers and process for preparing the same Patent
[NASA-CASE-XMF-04133] c 06 N71-20717

Method of producing alternating ether siloxane copolymers Patent
[NASA-CASE-XMF-02584] c 06 N71-20905

Honeycomb panel and method of making same Patent
[NASA-CASE-XMF-01402] c 18 N71-21651

Portable milling tool Patent
[NASA-CASE-XMF-03511] c 15 N71-22799

Energy absorbing device Patent
[NASA-CASE-XMF-10040] c 15 N71-22877

Continuous detonation reaction engine Patent
[NASA-CASE-XMF-06926] c 28 N71-22983

Adaptive tracking notch filter system Patent
[NASA-CASE-XMF-01892] c 10 N71-22986

Meteorological balloon Patent
[NASA-CASE-XMF-04163] c 02 N71-23007

Continuous turning slip ring assembly Patent
[NASA-CASE-XMF-01049] c 15 N71-23049

Automatic welding speed controller Patent
[NASA-CASE-XMF-01730] c 15 N71-23050

Positive dc to positive dc converter Patent
[NASA-CASE-XMF-14301] c 09 N71-23188

Zero gravity apparatus Patent
[NASA-CASE-XMF-06515] c 14 N71-23227

Positive dc to negative dc converter Patent
[NASA-CASE-XMF-08217] c 03 N71-23239

Evacuation port seal Patent
[NASA-CASE-XMF-03290] c 15 N71-23256

Azimuth laying system Patent
[NASA-CASE-XMF-01669] c 21 N71-23289

Electron beam instrument for measuring electric fields Patent
[NASA-CASE-XMF-10289] c 14 N71-23699

Anemometer with braking mechanism Patent
[NASA-CASE-XMF-05224] c 14 N71-23726

Apparatus for testing a pressure responsive instrument Patent
[NASA-CASE-XMF-04134] c 14 N71-23755

Electric welding torch Patent
[NASA-CASE-XMF-02330] c 15 N71-23798

Swivel support for gas bearings Patent
[NASA-CASE-XMF-07808] c 15 N71-23812

Welding skate with computerized control Patent
[NASA-CASE-XMF-07069] c 15 N71-23815

Docking structure for spacecraft Patent
[NASA-CASE-XMF-05941] c 31 N71-23912

High pressure helium purifier Patent
[NASA-CASE-XMF-06888] c 15 N71-24044

Horizontal cryostat for fatigue testing Patent
[NASA-CASE-XMF-10968] c 14 N71-24234

Method for leakage testing of tanks Patent
[NASA-CASE-XMF-02392] c 32 N71-24285

Internal flare angle gauge Patent
[NASA-CASE-XMF-04415] c 14 N71-24693

Pulse rise time and amplitude detector Patent
[NASA-CASE-XMF-08804] c 09 N71-24717

System for maintaining a motor at a predetermined speed utilizing digital feedback means Patent
[NASA-CASE-XMF-06892] c 09 N71-24805

Power system with heat pipe liquid coolant lines Patent
[NASA-CASE-MFS-14114-2] c 09 N71-24807

Magnetomotive metal working device Patent
[NASA-CASE-XMF-03793] c 15 N71-24833

Apparatus for determining the deflection of an electron beam impinging on a target Patent
[NASA-CASE-XMF-06617] c 09 N71-24843

Transistor servo system including a unique differential amplifier circuit Patent
[NASA-CASE-XMF-05195] c 10 N71-24861

RC rate generator for slow speed measurement Patent
[NASA-CASE-XMF-02966] c 10 N71-24863

Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114-3] c 15 N71-24865

Duct coupling for single-handed operation Patent
[NASA-CASE-MFS-20395] c 15 N71-24903

Brushless direct current tachometer Patent
[NASA-CASE-MFS-20385] c 09 N71-24904

Self-lubricating gears and other mechanical parts Patent
[NASA-CASE-MFS-14971] c 15 N71-24984

Pulse width inverter Patent
[NASA-CASE-MFS-10068] c 10 N71-25139

Isothermal cover with thermal reservoirs Patent
[NASA-CASE-MFS-20355] c 33 N71-25353

Storage container for electronic devices Patent
[NASA-CASE-MFS-20075] c 09 N71-26133

Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114-2] c 15 N71-26148

Filter system for control of outgas contamination in vacuum Patent
[NASA-CASE-MFS-14711] c 15 N71-26185

Image magnification adapter for cameras Patent
[NASA-CASE-XMF-03844-1] c 14 N71-26474

Thickness measuring and injection device Patent
[NASA-CASE-MFS-20261] c 14 N71-27005

Personal propulsion unit Patent
[NASA-CASE-MFS-20130] c 28 N71-27585

Power system with heat pipe liquid coolant lines Patent
[NASA-CASE-MFS-14114] c 33 N71-27862

Method of making shielded flat cable Patent
[NASA-CASE-MFS-13687] c 09 N71-28691

A dc motor speed control system Patent
[NASA-CASE-MFS-14610] c 09 N71-28886

Cryogenic thermal insulation Patent
[NASA-CASE-XMF-05046] c 33 N71-28892

Method of coating through-holes Patent
[NASA-CASE-XMF-05999] c 15 N71-29032

Response analyzers for sensors Patent
[NASA-CASE-MFS-11204] c 14 N71-29134

Current regulating voltage divider
[NASA-CASE-MFS-20935] c 09 N71-34212

Nuclear mass flowmeter
[NASA-CASE-MFS-20485] c 14 N71-11365

Fine adjustment mount
[NASA-CASE-MFS-20249] c 15 N71-11386

Method of making foamed materials in zero gravity
[NASA-CASE-XMF-09902] c 15 N71-11387

Air bearing assembly for curved surfaces
[NASA-CASE-MFS-20423] c 15 N71-11388

Stud-bonding gun
[NASA-CASE-MFS-20299] c 15 N71-11392

Apparatus for obtaining isotropic irradiation of a specimen
[NASA-CASE-MFS-20095] c 24 N71-11595

Wind tunnel test section
[NASA-CASE-MFS-20509] c 11 N71-17183

Multiple image stoning system for high speed projectile holography
[NASA-CASE-MFS-20596] c 14 N71-17324

Method of manufacturing semiconductor devices using refractory dielectrics
[NASA-CASE-XER-08476-1] c 26 N71-17820

Underwater space suit pressure control regulator
[NASA-CASE-MFS-20332] c 05 N71-20097

Apparatus for making diamonds
[NASA-CASE-MFS-20698] c 15 N71-20446

An airflow
[NASA-CASE-MFS-20922] c 31 N71-20840

Photoetching of metal-oxide layers
[NASA-CASE-ERC-10108] c 06 N71-21094

Liquid aerosol dispenser
[NASA-CASE-MFS-20829] c 12 N71-21310

Optical probing of supersonic flows with statistical correlation
[NASA-CASE-MFS-20642] c 14 N71-21407

Mechanically actuated triggered hand
[NASA-CASE-MFS-20413] c 15 N71-21463

Hermetically sealed elbow actuator
[NASA-CASE-MFS-14710] c 09 N71-22195

Shielded flat cable
[NASA-CASE-MFS-13687-2] c 09 N71-22198

Shock wave convergence apparatus
[NASA-CASE-MFS-20890] c 14 N71-22439

Bonding of reinforced Teflon to metals
[NASA-CASE-MFS-20482] c 15 N71-22492

Inorganic thermal control coatings
[NASA-CASE-MFS-20011] c 18 N71-22566

High temperature furnace for melting materials in space
[NASA-CASE-MFS-20710] c 11 N71-23215

Siloxane containing epoxide compounds
[NASA-CASE-MFS-13994-2] c 06 N71-25148

Silphenylenesiloxane polymers having in-chain perfluoroalkyl groups
[NASA-CASE-MFS-20979] c 06 N71-25151

Emergency lunar communications system
[NASA-CASE-MFS-21042] c 07 N71-25171

Lead attachment to high temperature devices
[NASA-CASE-ERC-10224] c 09 N71-25261

Device for measuring bearing preload
[NASA-CASE-MFS-20434] c 11 N71-25288

Altitude simulation chamber for rocket engine testing
[NASA-CASE-MFS-20620] c 11 N71-27262

Fixture for supporting articles during vibration tests
[NASA-CASE-MFS-20523] c 14 N71-27412

Electrical connector
[NASA-CASE-MFS-20757] c 09 N71-28225

Remote control manipulator for zero gravity environment
[NASA-CASE-MFS-14405] c 15 N71-28495

Thermal compensating structural member
[NASA-CASE-MFS-20433] c 15 N71-28496

Semiconductor transducer device
[NASA-CASE-ERC-10087-2] c 14 N71-31446

Coaxial high density, hypervelocity plasma generator and accelerator with ionizable metal disc
[NASA-CASE-MFS-20589] c 25 N71-32688

Process for the preparation of brushite crystals
[NASA-CASE-ERC-10338] c 04 N71-33072

Adjustable force probe
[NASA-CASE-MFS-20760] c 14 N71-33377

Polyimide resin-fiberglass cloth laminates for printed circuit boards
[NASA-CASE-MFS-20408] c 18 N71-12604

Differential pressure control
[NASA-CASE-MFS-14216] c 14 N71-13418

Redundant hydraulic control system for actuators
[NASA-CASE-MFS-20944] c 15 N71-13466

Device and method for determining X ray reflection efficiency of optical surfaces
[NASA-CASE-MFS-20243] c 23 N71-13662

Process for making diamonds
[NASA-CASE-MFS-20698-2] c 15 N71-19457

Test stand system for vacuum chambers
[NASA-CASE-MFS-21362] c 11 N71-20267

Material fatigue testing system
[NASA-CASE-MFS-20673] c 14 N71-20476

Ratometer
[NASA-CASE-MFS-20418] c 14 N71-24473

Underwater space suit pressure control regulator
[NASA-CASE-MFS-20332-2] c 05 N71-25125

Maxometers (peak wind speed anemometers)
[NASA-CASE-MFS-20916] c 14 N71-25460

Monitoring deposition of films
[NASA-CASE-MFS-20675] c 26 N71-26751

Docking structure for spacecraft
[NASA-CASE-MFS-20863] c 31 N71-26876

Wide temperature range electronic device with lead attachment
[NASA-CASE-ERC-10224-2] c 09 N71-27150

Restraint system for ergometer
[NASA-CASE-MFS-21046-1] c 14 N71-27377

Apparatus and method for skin packaging articles
[NASA-CASE-MFS-20855] c 15 N71-27405

Ergometer
[NASA-CASE-MFS-21109-1] c 05 N71-27941

Tilting table for ergometer and for other biomedical devices
[NASA-CASE-MFS-21010-1] c 05 N71-30078

Measurement system
[NASA-CASE-MFS-20658-1] c 14 N71-30386

Collimator of multiple plates with axially aligned identical random arrays of apertures
[NASA-CASE-MFS-20546-2] c 14 N71-30389

Holographic thin film analyzer
[NASA-CASE-MFS-20823-1] c 16 N71-30476

Semiconductor surface protection material
[NASA-CASE-ERC-10339-1] c 18 N71-30532

Polymizable disilanol having in-chain perfluoroalkyl groups
[NASA-CASE-MFS-20979-2] c 06 N71-32030

Redundant speed control for brushless Hall effect motor
[NASA-CASE-MFS-20207-1] c 09 N71-32107

Induction motor control system with voltage controlled oscillator circuit
[NASA-CASE-MFS-21465-1] c 10 N71-32145

Synthesis of superconducting compounds by explosive compaction of powders
[NASA-CASE-MFS-20861-1] c 18 N71-32437

Ultrasonic scanner for radial and flat panels
[NASA-CASE-MFS-20335-1] c 35 N71-10415

Digital computing cardiometer
[NASA-CASE-MFS-20284-1] c 52 N71-12778

Integrated circuit package with lead structure and method of preparing the same
[NASA-CASE-MFS-21374-1] c 33 N71-12951

Vee-notching device				Automatically operable self-leveling load table		Device for measuring the ferrite content in an austenitic stainless-steel weld			
[NASA-CASE-MFS-20730-1]	c 39	N74-13131		[NASA-CASE-MFS-22039-1]	c 09	N75-12968	[NASA-CASE-MFS-22907-1]	c 26	N76-18257
Ultrasonic scanning system for in-place inspection of brazed tube joints				Phase-locked servo system			Heat transfer device		
[NASA-CASE-MFS-20767-1]	c 38	N74-15130		[NASA-CASE-MFS-22073-1]	c 33	N75-13139	[NASA-CASE-MFS-22938-1]	c 34	N76-18374
Method and apparatus for checking the stability of a setup for making reflection type holograms				Self-energized plasma compressor			Holographic motion picture camera with Doppler shift compensation		
[NASA-CASE-MFS-21455-1]	c 35	N74-15146		[NASA-CASE-MFS-22145-1]	c 75	N75-13625	[NASA-CASE-MFS-22517-1]	c 35	N76-18402
Method and apparatus for nondestructive testing				Clear air turbulence detector			Method of peening and portable peening gun		
[NASA-CASE-MFS-21233-1]	c 38	N74-15395		[NASA-CASE-MFS-21244-1]	c 36	N75-15028	[NASA-CASE-MFS-23047-1]	c 37	N76-18454
Real time moving scene holographic camera system				Variable frequency inverter for ac induction motors with torque, speed and braking control			Mixing insert for foam dispensing apparatus		
[NASA-CASE-MFS-21087-1]	c 35	N74-17153		[NASA-CASE-MFS-22088-1]	c 33	N75-15874	[NASA-CASE-MFS-20607-1]	c 37	N76-19436
Nonflammable coating compositions				Leak detector			Traffic survey system		
[NASA-CASE-MFS-20486-2]	c 27	N74-17283		[NASA-CASE-MFS-21761-1]	c 35	N75-15931	[NASA-CASE-MFS-22631-1]	c 66	N76-19888
Metering gun for dispensing precisely measured charges of fluid				Ergometer calibrator			Electronic optical transfer function analyzer		
[NASA-CASE-MFS-21163-1]	c 54	N74-17853		[NASA-CASE-MFS-21045-1]	c 35	N75-15932	[NASA-CASE-MFS-21672-1]	c 74	N76-19935
Omnidirectional wheel				Space vehicle			System for imposing directional stability on a rocket-propelled vehicle		
[NASA-CASE-MFS-21309-1]	c 37	N74-18125		[NASA-CASE-MFS-22734-1]	c 18	N75-19329	[NASA-CASE-MFS-21311-1]	c 20	N76-21275
Reinforced polyquinoxaline gasket and method of preparing the same				Meter for use in detecting tension in straps having predetermined elastic characteristics			Filtering device		
[NASA-CASE-MFS-21364-1]	c 37	N74-18126		[NASA-CASE-MFS-22189-1]	c 35	N75-19615	[NASA-CASE-MFS-22729-1]	c 32	N76-21366
Manual actuator				Multipulse focusing collimator			Translatory shock absorber for attitude sensors		
[NASA-CASE-MFS-21481-1]	c 37	N74-18127		[NASA-CASE-MFS-20932-1]	c 35	N75-19816	[NASA-CASE-MFS-22905-1]	c 19	N76-22284
Cryogenic gyroscope housing				Latching device			Device for installing rocket engines		
[NASA-CASE-MFS-21138-1]	c 35	N74-18323		[NASA-CASE-MFS-21806-1]	c 37	N75-19885	[NASA-CASE-MFS-19220-1]	c 20	N76-22296
Automatic frequency control for FM transmitter				Internally supported flexible duct joint			Deployable flexible tunnel		
[NASA-CASE-MFS-21540-1]	c 32	N74-19790		[NASA-CASE-MFS-19193-1]	c 37	N75-19886	[NASA-CASE-MFS-22636-1]	c 37	N76-22540
Microwave power transmission system wherein level of transmitted power is controlled by reflections from receiver				Pseudo-noise test set for communication system evaluation			Solar energy absorber		
[NASA-CASE-MFS-21470-1]	c 44	N74-19870		[NASA-CASE-MFS-22671-1]	c 35	N75-21582	[NASA-CASE-MFS-22743-1]	c 44	N76-22657
Reduced gravity fecal collector seat and urnal				Device for use in loading tension members			Apparatus for reducing aerodynamic noise in a wind tunnel		
[NASA-CASE-MFS-22102-1]	c 54	N74-20725		[NASA-CASE-MFS-21488-1]	c 14	N75-24794	[NASA-CASE-MFS-23099-1]	c 09	N76-23273
Metabolic analyzer				Holographic system for nondestructive testing			Solar energy power system		
[NASA-CASE-MFS-21415-1]	c 52	N74-20728		[NASA-CASE-MFS-21704-1]	c 35	N75-25124	[NASA-CASE-MFS-21628-2]	c 44	N76-23675
Automatic quadrature control and measuring system				Hole cutter			Solar energy trap		
[NASA-CASE-MFS-21660-1]	c 35	N74-21017		[NASA-CASE-MFS-22649-1]	c 37	N75-25186	[NASA-CASE-MFS-22744-1]	c 44	N76-24696
Thiophenyl ether disloxanes and tinsloxanes useful as lubricant fluids				Apparatus for calibrating an image dissector tube			Failure detection and control means for improved drift performance of a gimbaled platform system		
[NASA-CASE-MFS-22411-1]	c 37	N74-21058		[NASA-CASE-MFS-22208-1]	c 33	N75-26244	[NASA-CASE-MFS-23551-1]	c 04	N76-26175
Airlock				Method of determining bond quality of power transistors attached to substrates			Lead-oxygen dc power supply system having a closed loop oxygen and water system		
[NASA-CASE-MFS-20922-1]	c 18	N74-22136		[NASA-CASE-MFS-21931-1]	c 37	N75-26372	[NASA-CASE-MFS-23059-1]	c 44	N76-27664
Low distortion automatic phase control circuit				Anti-gravity device			Thermal energy storage system		
[NASA-CASE-MFS-21671-1]	c 33	N74-22885		[NASA-CASE-MFS-22758-1]	c 70	N75-26789	[NASA-CASE-MFS-23167-1]	c 44	N76-31667
Two speed drive system				Brazing alloy binder			Aircraft-mounted crash-activated transmitter device		
[NASA-CASE-MFS-20845-1]	c 37	N74-23070		[NASA-CASE-MFS-05868]	c 26	N75-27125	[NASA-CASE-MFS-16609-3]	c 03	N76-32140
Insert facing tool				Brazing alloy composition			Multiple in-line docking capability for rotating space stations		
[NASA-CASE-MFS-21485-1]	c 37	N74-25968		[NASA-CASE-MFS-06053]	c 26	N75-27126	[NASA-CASE-MFS-20855-1]	c 15	N77-10112
LC-oscillator with automatic stabilized amplitude via bias current control				Refractory porcelain enamel passive control coating for high temperature alloys			Attitude control system		
[NASA-CASE-MFS-21698-1]	c 33	N74-26732		[NASA-CASE-MFS-22324-1]	c 27	N75-27160	[NASA-CASE-MFS-22787-1]	c 15	N77-10113
Device for monitoring a change in mass in varying gravimetric environments				Real time, large volume, moving scene holographic camera system			Heat exchanger		
[NASA-CASE-MFS-21556-1]	c 35	N74-26945		[NASA-CASE-MFS-22537-1]	c 35	N75-27328	[NASA-CASE-MFS-22991-1]	c 34	N77-10463
Holography utilizing surface plasmon resonances				Method and apparatus for vibration analysis utilizing the Mossbauer effect			Focused laser Doppler velocimeter		
[NASA-CASE-MFS-22040-1]	c 35	N74-26946		[NASA-CASE-MFS-05882]	c 35	N75-27329	[NASA-CASE-MFS-23178-1]	c 35	N77-10493
Electrophoretic sample insertion				Method of preparing graphite reinforced aluminum composite			Photovoltaic cell array		
[NASA-CASE-MFS-21395-1]	c 25	N74-26948		[NASA-CASE-MFS-21077-1]	c 24	N75-28135	[NASA-CASE-MFS-22458-1]	c 44	N77-10635
Sprag solenoid brake				Carbon monoxide monitor			Wind measurement system		
[NASA-CASE-MFS-21846-1]	c 37	N74-26976		[NASA-CASE-MFS-22060-1]	c 35	N75-29380	[NASA-CASE-MFS-23362-1]	c 47	N77-10753
Device for configuring multiple leads				Perfluoro alkylene dioxy-bis-(4-phthalic anhydrides and oxy-bis-(perfluoroalkyleneoxyphthalic anhydrides			Mechanical thermal motor		
[NASA-CASE-MFS-22133-1]	c 33	N74-26977		[NASA-CASE-MFS-22356-1]	c 23	N75-30256	[NASA-CASE-MFS-23062-1]	c 37	N77-12402
Thrust-isolating mounting				Integrable power gyrator			Solid-state current transformer		
[NASA-CASE-MFS-21680-1]	c 18	N74-27397		[NASA-CASE-MFS-22342-1]	c 33	N75-30428	[NASA-CASE-MFS-22560-1]	c 33	N77-14335
Battery testing device				Isolated output system for a class D switching-mode amplifier			Actuator device for artificial leg		
[NASA-CASE-MFS-20761-1]	c 44	N74-27519		[NASA-CASE-MFS-21616-1]	c 33	N75-30429	[NASA-CASE-MFS-23225-1]	c 52	N77-14735
Apparatus for establishing flow of a fluid mass having a known velocity				Solar energy power system			Frequency modulated oscillator		
[NASA-CASE-MFS-21424-1]	c 34	N74-27730		[NASA-CASE-MFS-21628-1]	c 44	N75-32581	[NASA-CASE-MFS-23181-1]	c 33	N77-17351
Apparatus for conducting flow electrophoresis in the substantial absence of gravity				System for enhancing tool-exchange capabilities of a portable wrench			Method of and means for testing a tape record/playback system		
[NASA-CASE-MFS-21394-1]	c 34	N74-27744		[NASA-CASE-MFS-22283-1]	c 37	N75-33395	[NASA-CASE-MFS-22671-2]	c 35	N77-17426
Steady state thermal radiometers				Externally supported internally stabilized flexible duct joint			Notch filter		
[NASA-CASE-MFS-21108-1]	c 34	N74-27861		[NASA-CASE-MFS-19194-1]	c 37	N76-14460	[NASA-CASE-MFS-23303-1]	c 32	N77-18307
Conductive elastomeric extensometer				Quick disconnect filter coupling			Guide for a typewriter		
[NASA-CASE-MFS-21049-1]	c 52	N74-27864		[NASA-CASE-MFS-22323-1]	c 37	N76-14463	[NASA-CASE-MFS-15218-1]	c 37	N77-19457
Device for measuring tensile forces				Panel for selectively absorbing solar thermal energy and the method of producing said panel			Mount for continuously orienting a collector dish in a system adapted to perform both diurnal and seasonal solar tracking		
[NASA-CASE-MFS-21728-1]	c 35	N74-27865		[NASA-CASE-MFS-22562-1]	c 44	N76-14595	[NASA-CASE-MFS-23267-1]	c 35	N77-20401
Three mirror glancing incidence system for X-ray telescope				Rapid activation and checkout device for batteries			Emergency descent device		
[NASA-CASE-MFS-21372-1]	c 74	N74-27866		[NASA-CASE-MFS-22749-1]	c 44	N76-14601	[NASA-CASE-MFS-23074-1]	c 54	N77-21844
Flame detector operable in presence of proton radiation				Two stage light gas-plasma projectile accelerator			Device for tensioning test specimens within an hermetically sealed chamber		
[NASA-CASE-MFS-21577-1]	c 19	N74-29410		[NASA-CASE-MFS-22287-1]	c 75	N76-14931	[NASA-CASE-MFS-23281-1]	c 35	N77-22450
Integrated P-channel MOS gyrator				Polyimides of ether-linked aryl tetracarboxylic dianhydrides			Combined docking and grasping device		
[NASA-CASE-MFS-22343-1]	c 33	N74-34638		[NASA-CASE-MFS-22355-1]	c 23	N76-15268	[NASA-CASE-MFS-23088-1]	c 37	N77-23483
System for depositing thin films				Remotely operable articulated manipulator			Method of growing composites of the type exhibiting the Soret effect		
[NASA-CASE-MFS-20775-1]	c 31	N75-12161		[NASA-CASE-MFS-22707-1]	c 37	N76-15457	[NASA-CASE-MFS-22926-1]	c 24	N77-27187
Ultrasonic bone densitometer				Remote manipulator system			Method for measuring biaxial stress in a body subjected to stress inducing loads		
[NASA-CASE-MFS-20994-1]	c 35	N75-12271		[NASA-CASE-MFS-22022-1]	c 37	N76-15460	[NASA-CASE-MFS-23299-1]	c 39	N77-28511
Strain gauge ambiguity sensor for segmented mirror active optical system				Thermoelectric power system			Method for attaching a fused-quartz mirror to a conductive metal substrate		
[NASA-CASE-MFS-20506-1]	c 35	N75-12273		[NASA-CASE-MFS-22002-1]	c 44	N76-16612	[NASA-CASE-MFS-23405-1]	c 26	N77-29260
Orthotic arm joint				Self-energized plasma compressor			Method of preparing zinc orthotitanate pigment		
[NASA-CASE-MFS-21611-1]	c 54	N75-12616		[NASA-CASE-MFS-22145-2]	c 75	N76-17951	[NASA-CASE-MFS-23345-1]	c 27	N77-30237

Accumulator [NASA-CASE-MFS-19287-1]	c 34	N77-30399	Edge coating of flat wires [NASA-CASE-XMF-05757-1]	c 31	N79-21227	A simplified power factor controller with increased energy saving circuit [NASA-CASE-MFS-25323-1]	c 33	N82-12349
Tachometer [NASA-CASE-MFS-23175-1]	c 35	N77-30436	Stable superconducting magnet [NASA-CASE-XMF-05373-1]	c 33	N79-21264	Liquid immersion apparatus for minute articles [NASA-CASE-MFS-25363-1]	c 37	N82-12441
Real time reflectometer [NASA-CASE-MFS-23118-1]	c 35	N77-31465	Retractable environmental seal [NASA-CASE-MFS-23646-1]	c 37	N79-22474	Controlled overspray spray nozzle [NASA-CASE-MFS-25139-1]	c 34	N82-13376
Method of crystallization [NASA-CASE-MFS-23001-1]	c 76	N77-32919	Horizontally mounted solar collector [NASA-CASE-MFS-23349-1]	c 44	N79-23481	Multi-channel temperature measurement amplification system [NASA-CASE-MFS-23775-1]	c 44	N82-16474
Power factor control system for AC induction motors [NASA-CASE-MFS-23280-1]	c 33	N78-10376	Coal-shale interface detection [NASA-CASE-MFS-23720-3]	c 43	N79-25443	Solar energy control system [NASA-CASE-MFS-25287-1]	c 44	N82-18686
Germanium coated microbridge and method [NASA-CASE-MFS-23274-1]	c 33	N78-13320	General purpose rocket furnace [NASA-CASE-MFS-23460-1]	c 12	N79-26075	Control system for an induction motor with energy recovery [NASA-CASE-MFS-25477-1]	c 33	N82-22437
Laser extensometer [NASA-CASE-MFS-19259-1]	c 36	N78-14380	Contour measurement system [NASA-CASE-MFS-23726-1]	c 43	N79-26439	Method of bonding plasticized elastomer to metal and articles produced thereby [NASA-CASE-MFS-25181-1]	c 27	N82-24340
Method of and means for testing a glancing-incidence mirror system of an X-ray telescope [NASA-CASE-MFS-22409-2]	c 74	N78-15880	Method of construction of a multi-cell solar array [NASA-CASE-MFS-23540-1]	c 44	N79-26475	Pulsed thyristor trigger control circuit [NASA-CASE-MFS-25616-1]	c 33	N82-24428
Projection system for display of parallax and perspective [NASA-CASE-MFS-23194-1]	c 35	N78-17357	Thickness measurement system [NASA-CASE-MFS-23721-1]	c 31	N79-28370	Amplified wind turbine apparatus [NASA-CASE-MFS-23830-1]	c 44	N82-24639
Gas ion laser construction for electrically isolating the pressure gauge thereof [NASA-CASE-MFS-22597]	c 36	N78-17366	Coal-rock interface detector [NASA-CASE-MFS-23725-1]	c 43	N79-31706	Method for treating wastewater using microorganisms and vascular aquatic plants [NASA-CASE-MFS-25678-1]	c 25	N82-25335
Wrist joint assembly [NASA-CASE-MFS-23311-1]	c 54	N78-17676	Calibrating pressure switch [NASA-CASE-MFS-04494-1]	c 33	N79-33392	Unitary seal ring assembly [NASA-CASE-MFS-25678-1]	c 37	N82-25517
Semiconductor projectile impact detector [NASA-CASE-MFS-23008-1]	c 35	N78-18390	Passive propellant system [NASA-CASE-MFS-23642-1]	c 20	N80-10278	Device for determining frost depth and density [NASA-CASE-MFS-25754-1]	c 31	N82-26503
Sprayable low density ablator and application process [NASA-CASE-MFS-23506-1]	c 24	N78-24290	Electrophoretic fractional elution apparatus employing a rotational seal fraction collector [NASA-CASE-MFS-23284-1]	c 37	N80-14397	Magnetic field control [NASA-CASE-MFS-23828-1]	c 33	N82-26569
Apparatus for use in examining the lattice of a semiconductor wafer by X-ray diffraction [NASA-CASE-MFS-23315-1]	c 76	N78-24950	Coal-shale interface detection system [NASA-CASE-MFS-23720-2]	c 43	N80-14423	Exothermic furnace module [NASA-CASE-MFS-25707-1]	c 35	N82-26631
Tetherline system for orbiting satellites [NASA-CASE-MFS-23564-1]	c 15	N78-25119	Solar concentrator [NASA-CASE-MFS-23727-1]	c 44	N80-14473	Solar powered actuator with continuously variable auxiliary power control [NASA-CASE-MFS-25637-1]	c 44	N82-26780
Method and apparatus for conditioning of nickel-cadmium batteries [NASA-CASE-MFS-23270-1]	c 44	N78-25531	Aluminum or copper substrate panel for selective absorption of solar energy [NASA-CASE-MFS-23518-3]	c 44	N80-16452	Prosthetic occlusive device for an internal passageway [NASA-CASE-MFS-25640-1]	c 52	N82-26962
Passive propellant system [NASA-CASE-MFS-23642-2]	c 20	N78-27176	Method for separating biological cells [NASA-CASE-MFS-23883-1]	c 51	N80-16715	Photoelectric detection system [NASA-CASE-MFS-23776-1]	c 33	N82-28545
Field effect transistor and method of construction thereof [NASA-CASE-MFS-23312-1]	c 33	N78-27326	Oceanic wave measurement system [NASA-CASE-MFS-23862-1]	c 48	N80-18667	A dc to dc converter [NASA-CASE-MFS-25430-1]	c 33	N82-28550
Plasma cleaning device [NASA-CASE-MFS-22906-1]	c 75	N78-27913	Wind wheel electric power generator [NASA-CASE-MFS-23515-1]	c 44	N80-21828	Energy saving electrical motor control system [NASA-CASE-MFS-25560-1]	c 33	N82-30472
Process for spinning flame retardant elastomeric compositions [NASA-CASE-MSC-14331-3]	c 27	N78-32262	Preparation of monotelect alloys having a controlled microstructure by directional solidification under dopant-induced interface breakdown [NASA-CASE-MFS-23816-1]	c 26	N80-23419	Hemispherical latching apparatus for payload retention [NASA-CASE-MFS-25837]	c 16	N82-31398
Velocity measurement system [NASA-CASE-MFS-23363-1]	c 35	N78-32396	Coal-shale interface detector [NASA-CASE-MFS-23720-1]	c 43	N80-23711	Slide release mechanism [NASA-CASE-MSC-20080-1]	c 37	N82-31688
Hybrid holographic non-destructive test system [NASA-CASE-MFS-23114-1]	c 38	N78-32447	Cork-resin ablative insulation for complex surfaces and method for applying the same [NASA-CASE-MFS-23626-1]	c 24	N80-26388	Apparatus for sequentially transporting containers [NASA-CASE-MFS-23846-1]	c 37	N82-32731
FM/CW radar system [NASA-CASE-MFS-22234-1]	c 32	N79-10264	Electrical self-aligning connector [NASA-CASE-MFS-25211-1]	c 33	N80-32651	Method for sequentially processing a multi-level interconnect circuit in a vacuum chamber [NASA-CASE-MFS-15670-1]	c 33	N82-33634
Method of obtaining intensified image from developed photographic films and plates [NASA-CASE-MFS-23461-1]	c 35	N79-10389	Redundant motor drive system [NASA-CASE-MFS-23777-1]	c 37	N80-32716	Diffuser/ejector system for a very high vacuum environment [NASA-CASE-MFS-15791-1]	c 37	N82-33712
Computerized system for translating a torch head [NASA-CASE-MFS-23620-1]	c 37	N79-10421	Three phase power factor controller [NASA-CASE-MFS-25535-1]	c 33	N81-12330	Electrophoresis device [NASA-CASE-MFS-25426-1]	c 25	N83-10126
Rotatable mass for a flywheel [NASA-CASE-MFS-23051-1]	c 37	N79-10422	Method and apparatus for shaping and enhancing acoustical levitation forces [NASA-CASE-MFS-25050-1]	c 71	N81-15767	Combinational logic for generating gate drive signals for phase control rectifiers [NASA-CASE-MFS-25208-1]	c 33	N83-10345
Water system virus detection [NASA-CASE-MSC-16098-1]	c 51	N79-10693	Microwave integrated circuit for Josephson voltage standards [NASA-CASE-MFS-23845-1]	c 33	N81-17348	Three stage rocket vehicle with parallel staging [NASA-CASE-MFS-25878-1]	c 18	N83-12138
Anastigmatic three-mirror telescope [NASA-CASE-MFS-23675-1]	c 89	N79-10969	Process for preparation of large-particle-size monodisperse latexes [NASA-CASE-MFS-25000-1]	c 25	N81-19242	Method of and apparatus for generating an interstitial point in a data stream having an even number of data points [NASA-CASE-MFS-25319-1]	c 64	N83-12932
Apparatus for assembling space structure [NASA-CASE-MFS-23579-1]	c 18	N79-11108	Containerless high temperature calorimeter apparatus [NASA-CASE-MFS-23923-1]	c 35	N81-19426	Space Shuttle with improved external propellant tank [NASA-CASE-MFS-25853]	c 16	N83-13149
Spherical bearing [NASA-CASE-MFS-23447-1]	c 37	N79-11404	Electrical power generating system [NASA-CASE-MFS-24368-3]	c 33	N81-22280	Static continuous electrophoresis device [NASA-CASE-MFS-25306-1]	c 25	N83-13187
Method for making an aluminum or copper substrate panel for selective absorption of solar energy [NASA-CASE-MFS-23518-1]	c 44	N79-11469	Solar tracking system [NASA-CASE-MFS-23999-1]	c 44	N81-24520	Longwall shearer tracking system [NASA-CASE-MFS-25717-1]	c 43	N83-14607
System for the measurement of ultra-low stray light levels [NASA-CASE-MFS-23513-1]	c 74	N79-11865	Prosthetic urinary sphincter [NASA-CASE-MFS-23717-1]	c 52	N81-25660	Collimated beam manifold with the number of output beams variable at a given output angle [NASA-CASE-MFS-25312-1]	c 74	N83-17305
Simulator method and apparatus for practicing the mating of an observer-controlled object with a target [NASA-CASE-MFS-23052-2]	c 74	N79-13855	Pneumatic inflatable end effector [NASA-CASE-MFS-23696-1]	c 54	N81-26718	Method and apparatus for suppressing ignition overpressure in solid rocket propulsion systems [NASA-CASE-MFS-25843-1]	c 20	N83-17588
Multilevel metallization method for fabricating a metal oxide semiconductor device [NASA-CASE-MFS-23541-1]	c 76	N79-14906	Power factor control system for ac induction motors [NASA-CASE-MFS-23988-1]	c 33	N81-27395	Three phase power factor controller with induced EMF sensing [NASA-CASE-MFS-25852-1]	c 33	N83-17803
Direct current transformer [NASA-CASE-MFS-23659-1]	c 33	N79-17133	Method of and apparatus for double-exposure holographic interferometry [NASA-CASE-MFS-25405-1]	c 35	N81-27459	Phase detector for three-phase power factor controller [NASA-CASE-MFS-25854-1]	c 33	N83-17804
Method of making a rocket nozzle [NASA-CASE-XMF-06884-1]	c 20	N79-21123	Method of manufacture of bonded fiber flywheel [NASA-CASE-MFS-23674-1]	c 24	N81-29163	Method of preparing radially homogeneous mercury cadmium telluride crystals [NASA-CASE-MFS-25786-1]	c 76	N83-18533
Fluid thrust control system [NASA-CASE-XMF-05964-1]	c 20	N79-21124	Biocentrifuge system capable of exchanging specimen cages while in operational mode [NASA-CASE-MFS-23825-1]	c 51	N81-32829	Extended range X-ray telescope [NASA-CASE-MFS-25282-1]	c 34	N83-19015
Rocket injector head [NASA-CASE-XMF-04592-1]	c 20	N79-21125	Improved constant-output atomizer [NASA-CASE-MFS-25631-1]	c 34	N82-10360	Insulation bonding test system [NASA-CASE-MFS-25862-1]	c 27	N83-19903
Infusible silazane polymer and process for producing same [NASA-CASE-XMF-02526-1]	c 27	N79-21190	Motor power factor controller with a reduced voltage starter [NASA-CASE-MFS-25586-1]	c 33	N82-11360	Automatic weld torch guidance control system [NASA-CASE-MFS-25807]	c 37	N83-20154
Fluorine-containing polyformals [NASA-CASE-XMF-06900-1]	c 27	N79-21191	Method for retarding dye fading during archival storage of developed color photographic film [NASA-CASE-MFS-23250-1]	c 35	N82-11432			
Method and apparatus for preparing multiconductor cable with flat conductors [NASA-CASE-MFS-10946-1]	c 31	N79-21226	Clamp-mount device [NASA-CASE-MFS-25510-1]	c 37	N82-11470			

Electrical rotary joint apparatus for large space structures [NASA-CASE-MFS-23981-1]	c 07	N83-20944	Optically actuated two position mechanical mover [NASA-CASE-NPO-13105-1]	c 37	N74-21060	Method of heat treating age-hardenable alloys [NASA-CASE-XNP-01311]	c 26	N75-29236
Apparatus and method for inspecting a bearing ball [NASA-CASE-MFS-25833-1]	c 35	N83-21316	Flow control valve [NASA-CASE-NPO-11951-1]	c 37	N74-21065	Satellite aided vehicle avoidance system [NASA-CASE-ERC-10419-1]	c 03	N75-30132
Optical stereo video signal processor [NASA-CASE-MFS-25752-1]	c 74	N83-21950	Thin film gauge [NASA-CASE-NPO-10617-1]	c 35	N74-22095	Refrigerated coaxial coupling [NASA-CASE-NPO-13504-1]	c 33	N75-30430
Coupling an induction motor type generator to a-c power lines [NASA-CASE-MFS-25302-2]	c 33	N83-24768	High isolation RF signal selection switches [NASA-CASE-NPO-13081-1]	c 33	N74-22814	Electric power generation system directory from laser power [NASA-CASE-NPO-13308-1]	c 36	N75-30524
Gas levitator having fixed levitation node for containerless processing [NASA-CASE-MFS-25509-1]	c 35	N83-24828	Single reflector interference spectrometer and drive system therefor [NASA-CASE-NPO-11932-1]	c 35	N74-23040	Subminiature insertable force transducer [NASA-CASE-NPO-13423-1]	c 33	N75-31329
Process for producing trns (N-methylamino) methylsilane [NASA-CASE-MFS-25721-1]	c 25	N83-25811	Scanning nozzle plating system [NASA-CASE-NPO-11758-1]	c 31	N74-23065	Symmetrical odd-modulus frequency divider [NASA-CASE-NPO-13426-1]	c 33	N75-31330
Damping seal for turbomachinery [NASA-CASE-MFS-25842-1]	c 37	N83-26080	Rock sampling [NASA-CASE-XNP-10007-1]	c 46	N74-23068	Stored charge transistor [NASA-CASE-NPO-11156-2]	c 33	N75-31331
Sonic levitation apparatus [NASA-CASE-MFS-25828-1]	c 71	N83-26646	Rock sampling [NASA-CASE-XNP-09755]	c 46	N74-23069	Doped Josephson tunneling junction for use in a sensitive IR detector [NASA-CASE-NPO-13348-1]	c 33	N75-31332
Electrical power generating system [NASA-CASE-MFS-25302-1]	c 33	N83-28319	Miniature multichannel biotelemetry system [NASA-CASE-NPO-13065-1]	c 52	N74-26625	Acoustically controlled distributed feedback laser [NASA-CASE-NPO-13175-1]	c 36	N75-31427
Power control for ac motor [NASA-CASE-MFS-25862]	c 33	N83-28329	Dispensing targets for ion beam particle generators [NASA-CASE-NPO-13112-1]	c 73	N74-26767	Inert gas metallic vapor laser [NASA-CASE-NPO-13449-1]	c 36	N75-32441
Satellite retrieval system [NASA-CASE-MFS-25403-1]	c 18	N83-29303	Optically detonated explosive device [NASA-CASE-NPO-11743-1]	c 28	N74-27425	Prevention of hydrogen embrittlement of high strength steel by hydrazine compositions [NASA-CASE-NPO-12122-1]	c 24	N76-14203
Electrical self-aligning connector [NASA-CASE-MFS-25211-2]	c 33	N83-29592	Coherent receiver employing nonlinear coherence detection for carrier tracking [NASA-CASE-NPO-11921-1]	c 32	N74-30523	Helium refrigerator [NASA-CASE-NPO-13435-1]	c 31	N76-14284
Three phase power factor controller [NASA-CASE-MFS-25535-2]	c 33	N83-29593	Digital servo control of random sound test excitation [NASA-CASE-NPO-11623-1]	c 71	N74-31148	Nonlinear nonsingular feedback shift registers [NASA-CASE-NPO-13451-1]	c 33	N76-14373
Method and apparatus for supercooling and solidifying substances [NASA-CASE-MFS-25242-1]	c 35	N83-29650	Capacitance multiplier and filter synthesizing network [NASA-CASE-NPO-11948-1]	c 33	N74-32712	Strain gage mounting assembly [NASA-CASE-NPO-13170-1]	c 35	N76-14430
Dual laser optical system and method for studying fluid flow [NASA-CASE-MFS-25315-1]	c 36	N83-29680	Apparatus for forming drive belts [NASA-CASE-NPO-13205-1]	c 31	N74-32917	Thermoelectrically controlled non-tracking type solar energy concentrator [NASA-CASE-NPO-13497-1]	c 44	N76-14602
Variable length strut with longitudinal compliance and locking capability [NASA-CASE-MFS-25907-1]	c 37	N83-31019	Tool for use in lifting pin supported objects [NASA-CASE-NPO-13157-1]	c 37	N74-32918	Multi-computer multiple data path hardware exchange system [NASA-CASE-NPO-13422-1]	c 60	N76-14818
Beam connector apparatus and assembly [NASA-CASE-MFS-25134-1]	c 31	N83-31895	Preparing oxidizer coated metal fuel particles [NASA-CASE-NPO-11975-1]	c 28	N74-33209	Cermet composition and method of fabrication [NASA-CASE-NPO-13120-1]	c 27	N76-15311
Adaptive reference voltage generator for firing angle control of line-commutated inverters [NASA-CASE-MFS-25215-1]	c 33	N83-31953	Geneva mechanism [NASA-CASE-NPO-13281-1]	c 37	N75-13266	Dichroic plate [NASA-CASE-NPO-13506-1]	c 35	N76-15435
Trac failure detector [NASA-CASE-MFS-25607-1]	c 33	N83-34190	Amino acid analysis [NASA-CASE-NPO-12130-1]	c 25	N75-14844	Utilization of oxygen difluoride for syntheses of fluoropolymers [NASA-CASE-NPO-12061-1]	c 27	N76-16228
Adaptive control system for line-commutated inverters [NASA-CASE-MFS-25209-1]	c 33	N83-35227	Method of producing a storage bulb for an atomic hydrogen maser [NASA-CASE-NPO-13050-1]	c 36	N75-15029	Magnetometer using superconducting rotating body [NASA-CASE-NPO-13388-1]	c 35	N76-16390
Wide dynamic range video camera [NASA-CASE-MFS-25750-1]	c 33	N83-35229	Combined pressure regulator and shutoff valve [NASA-CASE-NPO-13201-1]	c 37	N75-15050	Scan converting video tape recorder [NASA-CASE-NPO-10166-2]	c 35	N76-16391
Containerless high purity pulling process and apparatus for glass fibers [NASA-CASE-MFS-25905-1]	c 74	N83-35825	Reduction of blood serum cholesterol [NASA-CASE-NPO-12119-1]	c 52	N75-15270	Hydrogen rich gas generator [NASA-CASE-NPO-13342-1]	c 37	N76-16446
Apparatus and method for heating a material in a transparent ampoule [NASA-CASE-MFS-25436-1]	c 27	N83-36220	Simultaneous acquisition of tracking data from two stations [NASA-CASE-NPO-13292-1]	c 32	N75-15854	Automated system for identifying traces of organic chemical compounds in aqueous solutions [NASA-CASE-NPO-13063-1]	c 25	N76-18245
National Aeronautics and Space Administration.			Shock absorbing mount for electrical components [NASA-CASE-NPO-13253-1]	c 37	N75-18573	Analog to digital converter [NASA-CASE-NPO-13385-1]	c 33	N76-18345
Pasadena Office, Calif.			System for generating timing and control signals [NASA-CASE-NPO-13125-1]	c 33	N75-19519	Sampler of gas borne particles [NASA-CASE-NPO-13396-1]	c 35	N76-18401
Phase control circuits using frequency multiplications for phased array antennas [NASA-CASE-ERC-10285]	c 10	N73-16206	Motor run-up system [NASA-CASE-NPO-13374-1]	c 33	N75-19524	Stark-effect modulation of CO ₂ laser with NH ₂ D [NASA-CASE-NPO-11945-1]	c 36	N76-18427
Method of forming difunctional polyisobutylene [NASA-CASE-NPO-10893]	c 27	N73-22710	Deep trap, laser activated image converting system [NASA-CASE-NPO-13131-1]	c 36	N75-19652	Diffused waveguiding capillary tube with distributed feedback for a gas laser [NASA-CASE-NPO-13544-1]	c 36	N76-18428
Radiation and particle detector and amplifier [NASA-CASE-NPO-12128-1]	c 14	N73-32317	Multitarget sequential sputtering apparatus [NASA-CASE-NPO-13345-1]	c 37	N75-19684	System for minimizing internal combustion engine pollution emission [NASA-CASE-NPO-13402-1]	c 37	N76-18457
Expandable space frames [NASA-CASE-ERC-10365-1]	c 31	N73-32749	Wide angle sun sensor [NASA-CASE-NPO-13327-1]	c 35	N75-23910	Hydrogen-bromine secondary battery [NASA-CASE-NPO-13237-1]	c 44	N76-18641
Use of thin film light detector [NASA-CASE-NPO-11432-2]	c 35	N74-15090	Material suspension within an acoustically excited resonant chamber [NASA-CASE-NPO-13263-1]	c 12	N75-24774	Hydrogen-rich gas generator [NASA-CASE-NPO-13464-1]	c 44	N76-18642
Temperature compensated digital inertial sensor [NASA-CASE-NPO-13044-1]	c 35	N74-15094	Heat operated cryogenic electrical generator [NASA-CASE-NPO-13303-1]	c 20	N75-24837	Zinc-halide battery with molten electrolyte [NASA-CASE-NPO-11961-1]	c 44	N76-18643
Compact hydrogenator [NASA-CASE-NPO-11682-1]	c 35	N74-15127	System for interference signal nulling by polarization adjustment [NASA-CASE-NPO-13140-1]	c 32	N75-24982	Priority interrupt system [NASA-CASE-NPO-13067-1]	c 60	N76-18800
Short range laser obstacle detector [NASA-CASE-NPO-11856-1]	c 36	N74-15145	Heat detection and compositions and devices therefor [NASA-CASE-NPO-10764-2]	c 35	N75-25122	Miniature muscle displacement transducer [NASA-CASE-NPO-13519-1]	c 33	N76-19338
System for stabilizing cable phase delay utilizing a coaxial cable under pressure [NASA-CASE-NPO-13138-1]	c 33	N74-17927	Servo-controlled intravital microscope system [NASA-CASE-NPO-13214-1]	c 35	N75-25123	Zero torque gear head wrench [NASA-CASE-NPO-13059-1]	c 37	N76-20480
Banded transformer cores [NASA-CASE-NPO-11966-1]	c 33	N74-17928	Ultrasonically bonded valve assembly [NASA-CASE-NPO-13360-1]	c 37	N75-25185	Method and apparatus for measurement of trap density and energy distribution in dielectric films [NASA-CASE-NPO-13443-1]	c 76	N76-20994
Inverter ratio failure detector [NASA-CASE-NPO-13160-1]	c 35	N74-18090	Vehicle locating system utilizing AM broadcasting station carriers [NASA-CASE-NPO-13217-1]	c 32	N75-26194	Highly efficient antenna system using a corrugated horn and scanning hyperbolic reflector [NASA-CASE-NPO-13568-1]	c 32	N76-21365
Heat transfer device [NASA-CASE-NPO-11120-1]	c 34	N74-18552	Asynchronous, multiplexing, single line transmission and recovery data system [NASA-CASE-NPO-13321-1]	c 32	N75-26195	Indicator providing continuous indication of the presence of a specific pollutant in air [NASA-CASE-NPO-13474-1]	c 45	N76-21742
Storage battery comprising negative plates of a wedge shaped configuration [NASA-CASE-NPO-11806-1]	c 44	N74-19693	Brazing alloy [NASA-CASE-XNP-03878]	c 26	N75-27127	Shared memory for a fault-tolerant computer [NASA-CASE-NPO-13139-1]	c 60	N76-21914
Gated compressor, distortionless signal limiter [NASA-CASE-NPO-11820-1]	c 32	N74-19788	Very high intensity light source using a cathode ray tube [NASA-CASE-XNP-01296]	c 33	N75-27250	Wind sensor [NASA-CASE-NPO-13462-1]	c 35	N76-24524
Apparatus for scanning the surface of a cylindrical body [NASA-CASE-NPO-11861-1]	c 36	N74-20009	Fluorescence detector for monitoring atmospheric pollutants [NASA-CASE-NPO-13231-1]	c 45	N75-27585	Fiber distributed feedback laser [NASA-CASE-NPO-13531-1]	c 36	N76-24553
Decision feedback loop for tracking a polyphase modulated carrier [NASA-CASE-NPO-13103-1]	c 32	N74-20811	Cooperative multi-axis sensor for teleoperation of article manipulating apparatus [NASA-CASE-NPO-13386-1]	c 54	N75-27758	Method of forming a wick for a heat pipe [NASA-CASE-NPO-13391-1]	c 34	N76-27515
			Heat sterilizable patient ventilator [NASA-CASE-NPO-13313-1]	c 54	N75-27761			

Method and apparatus for nondestructive testing of pressure vessels	[NASA-CASE-NPO-12142-1]	c 38	N76-28563	Solar hydrogen generator	[NASA-CASE-LAR-11361-1]	c 44	N77-22607	Independent gain and bandwidth control of a traveling wave maser	[NASA-CASE-NPO-13801-1]	c 36	N78-18410
Method and apparatus for generating coherent radiation in the ultra-violet region and above by use of distributed feedback	[NASA-CASE-NPO-13346-1]	c 36	N76-29575	Sun direction detection system	[NASA-CASE-NPO-13722-1]	c 74	N77-22951	High temperature resistant cermet and ceramic compositions	[NASA-CASE-NPO-13690-1]	c 27	N78-19302
Stirling cycle engine and refrigeration systems	[NASA-CASE-NPO-13613-1]	c 37	N76-29590	Compact pulsed laser having improved heat conduction	[NASA-CASE-NPO-13147-1]	c 36	N77-25502	Underground mineral extraction	[NASA-CASE-NPO-14140-1]	c 31	N78-24387
Hydrogen rich gas generator	[NASA-CASE-NPO-13342-2]	c 44	N76-29700	Isotope separation using metallic vapor lasers	[NASA-CASE-NPO-13550-1]	c 36	N77-26477	Thin conformal antenna array for microwave power conversions	[NASA-CASE-NPO-13886-1]	c 32	N78-24391
Solar-powered pump	[NASA-CASE-NPO-13567-1]	c 44	N76-29701	Distributed feedback acoustic surface wave oscillator	[NASA-CASE-NPO-13673-1]	c 71	N77-26919	Multistation refrigeration system	[NASA-CASE-NPO-13839-1]	c 31	N78-25256
Hydrogen rich gas generator	[NASA-CASE-NPO-13464-2]	c 44	N76-29704	Penetrometer	[NASA-CASE-NPO-11103-1]	c 35	N77-27367	Sweep group delay measurement	[NASA-CASE-NPO-13909-1]	c 33	N78-25319
Myocardium wall thickness transducer and measuring method	[NASA-CASE-NPO-13644-1]	c 52	N76-29895	Lightweight reflector assembly	[NASA-CASE-NPO-13707-1]	c 74	N77-28933	Polymers electrolytic hygrometer	[NASA-CASE-NPO-13948-1]	c 35	N78-25391
Catheter tip force transducer for cardiovascular research	[NASA-CASE-NPO-13643-1]	c 52	N76-29896	Aldehyde-containing urea-absorbing polysaccharides	[NASA-CASE-NPO-13620-1]	c 27	N77-30236	Charge transfer reaction laser with preionization means	[NASA-CASE-NPO-13945-1]	c 36	N78-27402
Real time analysis of voiced sounds	[NASA-CASE-NPO-13465-1]	c 32	N76-31372	Phase substitution of spare converter for a failed one of parallel phase staggered converters	[NASA-CASE-NPO-13812-1]	c 33	N77-30365	Hexagon solar power panel	[NASA-CASE-NPO-12148-1]	c 44	N78-27515
III-V photocathode with nitrogen doping for increased quantum efficiency	[NASA-CASE-NPO-12134-1]	c 33	N76-31409	Oil and fat absorbing polymers	[NASA-CASE-NPO-11609-2]	c 27	N77-31308	RF beam center location method and apparatus for power transmission system	[NASA-CASE-NPO-13821-1]	c 44	N78-28594
High resolution Fourier interferometer-spectrophotopolarimeter	[NASA-CASE-NPO-13604-1]	c 35	N76-31490	Combustion engine	[NASA-CASE-NPO-13671-1]	c 37	N77-31497	Control for nuclear thermionic power source	[NASA-CASE-NPO-13114-2]	c 73	N78-28913
Reflected-wave maser	[NASA-CASE-NPO-13490-1]	c 36	N76-31512	Apparatus for photon excited catalysis	[NASA-CASE-NPO-13566-1]	c 25	N77-32255	Magneto-optic detection system with noise cancellation	[NASA-CASE-NPO-11954-1]	c 35	N78-29421
Method of making hollow elastomeric bodies	[NASA-CASE-NPO-13535-1]	c 37	N76-31524	Charge-coupled device data processor for an airborne imaging radar system	[NASA-CASE-NPO-13587-1]	c 32	N77-32342	Nitramine propellants	[NASA-CASE-NPO-14103-1]	c 28	N78-31255
Solar cell grid patterns	[NASA-CASE-NPO-13087-2]	c 44	N76-31666	Direct reading inductance meter	[NASA-CASE-NPO-13792-1]	c 35	N77-32455	Reflex feed system for dual frequency antenna with frequency cutoff means	[NASA-CASE-NPO-14022-1]	c 32	N78-31321
Furlable antenna	[NASA-CASE-NPO-13553-1]	c 33	N76-32457	Solar photolysis of water	[NASA-CASE-NPO-13675-1]	c 44	N77-32580	Solar pond	[NASA-CASE-NPO-13581-2]	c 44	N78-31525
Annular arc accelerator shock tube	[NASA-CASE-NPO-13528-1]	c 09	N77-10071	Low to high temperature energy conversion system	[NASA-CASE-NPO-13510-1]	c 44	N77-32581	Non-tracking solar energy collector system	[NASA-CASE-NPO-13813-1]	c 44	N78-31526
Cryostat system for temperatures on the order of 2 deg K or less	[NASA-CASE-NPO-13459-1]	c 31	N77-10229	Solar energy collection system	[NASA-CASE-NPO-13810-1]	c 44	N77-32582	Coal desulfurization process	[NASA-CASE-NPO-13937-1]	c 44	N78-31527
The dc-to-dc converters employing staggered-phase power switches with two-loop control	[NASA-CASE-NPO-13512-1]	c 33	N77-10428	Three-dimensional tracking solar energy concentrator and method for making same	[NASA-CASE-NPO-13736-1]	c 44	N77-32583	Solid propellant motor	[NASA-CASE-NPO-11458A]	c 20	N78-32179
Ion and electron detector for use in an ICR spectrometer	[NASA-CASE-NPO-13479-1]	c 35	N77-10492	Overload protection system for power inverter	[NASA-CASE-NPO-13872-1]	c 33	N78-10377	Thermoplastic rubber comprising ethylene-vinyl acetate copolymer, asphalt and fluoro oil	[NASA-CASE-NPO-08835-1]	c 27	N78-33228
Hydrogen-rich gas generator	[NASA-CASE-NPO-13560-1]	c 44	N77-10636	Photoelectron spectrometer with means for stabilizing sample surface potential	[NASA-CASE-NPO-13772-1]	c 35	N78-10429	Hydrogen-fueled engine	[NASA-CASE-NPO-13763-1]	c 44	N78-33526
Space communication system for compressed data with a concatenated Reed-Solomon-Viterbi coding channel	[NASA-CASE-NPO-13545-1]	c 32	N77-12240	Machine for use in monitoring fatigue life for a plurality of elastomeric specimens	[NASA-CASE-NPO-13731-1]	c 39	N78-10493	Plural output optometric sample cell and analysis system	[NASA-CASE-NPO-10233-1]	c 74	N78-33913
Computer interface system	[NASA-CASE-NPO-13428-1]	c 60	N77-12721	Portable linear-focused solar thermal energy collecting system	[NASA-CASE-NPO-13734-1]	c 44	N78-10554	Portable electrophoresis apparatus using minimum electrolyte	[NASA-CASE-NPO-13274-1]	c 25	N79-10163
High temperature oxidation resistant cermet compositions	[NASA-CASE-NPO-13666-1]	c 27	N77-13217	Acoustic energy shaping	[NASA-CASE-NPO-13802-1]	c 71	N78-10837	Automatic communication signal monitoring system	[NASA-CASE-NPO-13941-1]	c 32	N79-10262
Frequency discriminator and phase detector circuit	[NASA-CASE-NPO-11515-1]	c 33	N77-13315	High voltage, high current Schottky barrier solar cell	[NASA-CASE-NPO-13482-1]	c 44	N78-13526	Surface roughness measuring system	[NASA-CASE-NPO-13862-1]	c 35	N79-10391
Mass spectrometer with magnetic pole pieces providing the magnetic fields for both the magnetic sector and an ion-type vacuum pump	[NASA-CASE-NPO-13683-1]	c 35	N77-14411	Durable antistatic coating for polymethylmethacrylate	[NASA-CASE-NPO-13867-1]	c 27	N78-14164	Vehicular impact absorption system	[NASA-CASE-NPO-14014-1]	c 37	N79-10420
Thermocouple installation	[NASA-CASE-NPO-13663-1]	c 35	N77-14406	Ultra stable frequency distribution system	[NASA-CASE-NPO-13836-1]	c 32	N78-15323	Dual membrane hollow fiber fuel cell and method of operating same	[NASA-CASE-NPO-13732-1]	c 44	N79-10513
Method and apparatus for background signal reduction in opto-acoustic absorption measurement	[NASA-CASE-NPO-13540-1]	c 35	N77-14409	Selective image area control of X-ray film exposure density	[NASA-CASE-NPO-13808-1]	c 35	N78-15461	Combustor	[NASA-CASE-NPO-13958-1]	c 25	N79-11151
Nuclear thermionic converter	[NASA-CASE-NPO-13683-1]	c 35	N77-14411	Motion restraining device	[NASA-CASE-NPO-13619-1]	c 37	N78-16369	Surfactant-assisted liquefaction of particulate carbonaceous substances	[NASA-CASE-NPO-13904-1]	c 25	N79-11152
Continuous plasma laser	[NASA-CASE-NPO-13121-1]	c 73	N77-18891	Ruler for making navigational computations	[NASA-CASE-NPO-01458]	c 04	N78-17031	Electroexplosive device	[NASA-CASE-NPO-13858-1]	c 28	N79-11231
Multiple rate digital command detection system with range clean-up capability	[NASA-CASE-NPO-04167-3]	c 36	N77-19416	Nuclear alkylated pyridine aldehyde polymers and conductive compositions thereof	[NASA-CASE-NPO-10557]	c 27	N78-17214	Space-charge-limited solid-state triode	[NASA-CASE-NPO-13064-1]	c 33	N79-11314
Charge storage diode modulators and demodulators	[NASA-CASE-NPO-13753-1]	c 32	N77-20289	Method of adhering bone to a rigid substrate using a graphite fiber reinforced bone cement	[NASA-CASE-NPO-13764-1]	c 27	N78-17215	Plasma igniter for internal combustion engine	[NASA-CASE-NPO-13828-1]	c 37	N79-11405
Compact, high intensity arc lamp with internal magnetic field producing means	[NASA-CASE-NPO-10189-1]	c 33	N77-21314	Purging means and method for Xenon arc lamps	[NASA-CASE-NPO-11978]	c 31	N78-17238	Solar photolysis of water	[NASA-CASE-NPO-14126-1]	c 44	N79-11470
Depressurization of arc lamps	[NASA-CASE-NPO-11510-1]	c 33	N77-21315	Pressure transducer	[NASA-CASE-NPO-11150]	c 35	N78-17359	Non-tracking solar energy collector system	[NASA-CASE-NPO-13817-1]	c 44	N79-11471
Electromagnetic transducer recording head having a laminated core section and tapered gap	[NASA-CASE-NPO-10790-1]	c 33	N77-21316	Wobble gear drive mechanism	[NASA-CASE-NPO-00625]	c 37	N78-17385	Method of controlling defect orientation in silicon crystal ribbon growth	[NASA-CASE-NPO-13918-1]	c 76	N79-11920
Cryogenic liquid sensor	[NASA-CASE-NPO-10711-1]	c 35	N77-21392	Apparatus for handling micron size range particulate material	[NASA-CASE-NPO-10151]	c 37	N78-17386	Method and apparatus for measuring minority carrier lifetimes and bulk diffusion length in P-N junction solar cells	[NASA-CASE-NPO-14100-1]	c 44	N79-12541
Uniform variable light source	[NASA-CASE-NPO-10619-1]	c 35	N77-21393	Cross correlation anomaly detection system	[NASA-CASE-NPO-13283]	c 38	N78-17395	Automated clinical system for chromosome analysis	[NASA-CASE-NPO-13913-1]	c 52	N79-12694
Arc control in compact arc lamps	[NASA-CASE-NPO-11429-1]	c 74	N77-21941	Automatic visual inspection system for microelectronics	[NASA-CASE-NPO-13282]	c 38	N78-17396	Conical scan tracking system employing a large antenna	[NASA-CASE-NPO-14009-1]	c 32	N79-13214
Hydraulic drain means for servo-systems	[NASA-CASE-NPO-10870-1]	c 33	N77-22386	Low cost solar energy collection system	[NASA-CASE-NPO-13579-1]	c 44	N78-17460	Stabilization of He2(a 3 Sigma u+ molecules in liquid helium by optical pumping for vacuum UV laser 6	[NASA-CASE-NPO-13993-1]	c 72	N79-13826
Automated multi-level vehicle parking system	[NASA-CASE-NPO-10316-1]	c 37	N77-22479	Differential optoacoustic absorption detector	[NASA-CASE-NPO-13759-1]	c 74	N78-17867	High temperature resistant cermet and ceramic compositions	[NASA-CASE-NPO-13690-2]	c 27	N79-14213
	[NASA-CASE-NPO-13058-1]	c 37	N77-22480	Interferometer mirror tilt correcting system	[NASA-CASE-NPO-13687-1]	c 35	N78-18391				
				Over-under double-pass interferometer	[NASA-CASE-NPO-13999-1]	c 35	N78-18395				

- Inhibited solid propellant composition containing beryllium hydride
[NASA-CASE-NPO-10866-1] c 28 N79-14228
- Digital demodulator-correlator
[NASA-CASE-NPO-13982-1] c 32 N79-14267
- Azimuth correlator for real-time synthetic aperture radar image processing
[NASA-CASE-NPO-14019-1] c 32 N79-14268
- Apparatus for providing a servo drive signal in a high-speed stepping interferometer
[NASA-CASE-NPO-13569-2] c 35 N79-14348
- High-torque open-end wrench
[NASA-CASE-NPO-13541-1] c 37 N79-14383
- Sun tracking solar energy collector
[NASA-CASE-NPO-13921-1] c 44 N79-14526
- Primary reflector for solar energy collection systems
[NASA-CASE-NPO-13579-4] c 44 N79-14529
- Gas diffusion liquid storage bag and method of use for storing blood
[NASA-CASE-NPO-13930-1] c 52 N79-14749
- Coupling apparatus for ultrasonic medical diagnostic system
[NASA-CASE-NPO-13935-1] c 52 N79-14751
- Thermomagnetic recording and magnetic-optic playback system
[NASA-CASE-NPO-10872-1] c 35 N79-16246
- Manganese bismuth films with narrow transfer characteristics for Cune-point switching
[NASA-CASE-NPO-11336-1] c 76 N79-16678
- CCD correlated quadruple sampling processor
[NASA-CASE-NPO-14426-1] c 33 N79-17134
- Multispectral imaging and analysis system
[NASA-CASE-NPO-13691-1] c 43 N79-17288
- Solar array strip and a method for forming the same
[NASA-CASE-NPO-13652-1] c 44 N79-17314
- Process for purification of waste water produced by a Kraft process pulp and paper mill
[NASA-CASE-NPO-13847-2] c 85 N79-17747
- Thermal energy transformer
[NASA-CASE-NPO-14058-1] c 44 N79-18443
- Electromagnetic radiation energy arrangement
[NASA-CASE-WOO-00428-1] c 32 N79-19186
- Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths
[NASA-CASE-NPO-14525-1] c 32 N79-19195
- Method and turbine for extracting kinetic energy from a stream of two-phase fluid
[NASA-CASE-NPO-14130-1] c 34 N79-20335
- Terminal guidance sensor system
[NASA-CASE-NPO-14521-1] c 54 N79-20746
- Digital data reformatter/deserializer
[NASA-CASE-NPO-13676-1] c 60 N79-20751
- Acoustic driving of rotor
[NASA-CASE-NPO-14005-1] c 71 N79-20827
- System and method for obtaining wide screen Schlieren photographs
[NASA-CASE-NPO-14174-1] c 74 N79-20856
- Dynamic capacitor having a peripherally driven element and system incorporating the same
[NASA-CASE-NXP-02899-1] c 33 N79-21265
- Seismic vibration source
[NASA-CASE-NPO-14112-1] c 46 N79-22679
- Centrifugal-reciprocating compressor
[NASA-CASE-NPO-14597-1] c 37 N79-23431
- Underwater seismic source
[NASA-CASE-NPO-14255-1] c 46 N79-23555
- Resolution enhanced sound detecting apparatus
[NASA-CASE-NPO-14134-1] c 71 N79-23753
- Growth of silicon carbide crystals on a seed while pulling silicon crystals from a melt
[NASA-CASE-NPO-13969-1] c 76 N79-23798
- Phase conjugation method and apparatus for an active retrodirective antenna array
[NASA-CASE-NPO-13841-1] c 32 N79-24210
- Module failure isolation circuit for paralleled inverters
[NASA-CASE-NPO-14000-1] c 33 N79-24254
- Circuit for automatic load sharing in parallel converter modules
[NASA-CASE-NPO-14056-1] c 33 N79-24257
- Bonding machine for forming a solar array strip
[NASA-CASE-NPO-13652-2] c 44 N79-24431
- Primary reflector for solar energy collection systems and method of making same
[NASA-CASE-NPO-13579-3] c 44 N79-24432
- Solar energy collection system
[NASA-CASE-NPO-13579-2] c 44 N79-24433
- Compact artificial hand
[NASA-CASE-NPO-13906-1] c 54 N79-24652
- A general logic structure for custom LSI circuits
[NASA-CASE-NPO-14410-1] c 33 N79-25314
- Double-sided solar cell package
[NASA-CASE-NPO-14199-1] c 44 N79-25482
- Apparatus and method of inserting a microelectrode in body tissue or the like using vibration means
[NASA-CASE-NPO-13910-1] c 52 N79-27836
- Chemical vapor deposition reactor
[NASA-CASE-NPO-13650-1] c 25 N79-28253
- High performance ammonium nitrate propellant
[NASA-CASE-NPO-14260-1] c 28 N79-28342
- Bioccontamination and particulate detection system
[NASA-CASE-NPO-13953-1] c 35 N79-28527
- Solar cell with improved N-region contact and method of forming the same
[NASA-CASE-NPO-14205-1] c 44 N79-31752
- Solar cell module
[NASA-CASE-NPO-14467-1] c 44 N79-31753
- Multi-channel rotating optical interface for data transmission
[NASA-CASE-NPO-14066-1] c 74 N79-34011
- Start up system for hydrogen generator used with an internal combustion engine
[NASA-CASE-NPO-13849-1] c 28 N80-10374
- Sodium storage and injection system
[NASA-CASE-NPO-14384-1] c 37 N80-10494
- System for detecting substructure microfractures and method therefore
[NASA-CASE-NPO-14192-1] c 39 N80-10507
- Borehole geological assessment
[NASA-CASE-NPO-14231-1] c 46 N80-10709
- Method of purifying metallurgical grade silicon employing reduced pressure atmospheric control
[NASA-CASE-NPO-14474-1] c 26 N80-14229
- Electromagnetic power absorber
[NASA-CASE-NPO-13830-1] c 32 N80-14281
- Multiple anode arc lamp system
[NASA-CASE-NPO-10857-1] c 33 N80-14330
- Method for analyzing radiation sensitivity of integrated circuits
[NASA-CASE-NPO-14350-1] c 33 N80-14332
- Apparatus for electrolytically tapered or contoured cavities
[NASA-CASE-NXP-08835-1] c 37 N80-14395
- Method for forming a solar array strip
[NASA-CASE-NPO-13652-3] c 44 N80-14474
- Ozonation of cooling tower waters
[NASA-CASE-NPO-14340-1] c 45 N80-14579
- System for real-time crustal deformation monitoring
[NASA-CASE-NPO-14124-1] c 46 N80-14603
- Dialysis system
[NASA-CASE-NPO-14101-1] c 52 N80-14687
- High resolution threshold photoelectron spectroscopy by electron attachment
[NASA-CASE-NPO-14078-1] c 72 N80-14877
- Strong thin membrane structure
[NASA-CASE-NPO-14021-2] c 27 N80-16163
- Antenna feed system for receiving circular polarization and transmitting linear polarization
[NASA-CASE-NPO-14362-1] c 32 N80-16261
- Apparatus for endoscopic examination
[NASA-CASE-NPO-14092-1] c 52 N80-16725
- Method of producing silicon
[NASA-CASE-NPO-14382-1] c 31 N80-18231
- High-speed data link for moderate distances and noisy environments
[NASA-CASE-NPO-14152-1] c 32 N80-18252
- Radio frequency arraying method for receivers
[NASA-CASE-NPO-14328-1] c 32 N80-18253
- High power RF coaxial switch
[NASA-CASE-NPO-14229-1] c 33 N80-18285
- Microwave power transmission beam safety system
[NASA-CASE-NPO-14224-1] c 33 N80-18287
- Viscosity measuring instrument
[NASA-CASE-NPO-14501-1] c 35 N80-18357
- Frequency-scanning particle size spectrometer
[NASA-CASE-NPO-13606-2] c 35 N80-18364
- Dielectric-loaded waveguide circulator for cryogenically cooled and cascaded maser waveguide structures
[NASA-CASE-NPO-14254-1] c 36 N80-18372
- Method of fabricating a photovoltaic module of a substantially transparent construction
[NASA-CASE-NPO-14303-1] c 44 N80-18550
- Driver for solar cell I-V characteristic plots
[NASA-CASE-NPO-14096-1] c 44 N80-18551
- Method and means for helium/hydrogen ratio measurement by alpha scattering
[NASA-CASE-NPO-14079-1] c 25 N80-20334
- Satellite personal communications system
[NASA-CASE-NPO-14480-1] c 32 N80-20448
- Velocity servo for continuous scan Fourier interference spectrometer
[NASA-CASE-NPO-14093-1] c 35 N80-20563
- Portable heatable container
[NASA-CASE-NPO-14237-1] c 44 N80-20808
- Process for the leaching of AP from propellant
[NASA-CASE-NPO-14109-1] c 28 N80-23471
- Dual band combiner for horn antenna
[NASA-CASE-NPO-14519-1] c 32 N80-23524
- Passive intrusion detection system
[NASA-CASE-NPO-13804-1] c 33 N80-23559
- Quartz ball valve
[NASA-CASE-NPO-14473-1] c 37 N80-23654
- Method and apparatus for Doppler frequency modulation of radiation
[NASA-CASE-NPO-14524-1] c 32 N80-24510
- Method of mitigating titanium impurities effects in p-type silicon material for solar cells
[NASA-CASE-NPO-14635-1] c 44 N80-24741
- Geological assessment probe
[NASA-CASE-NPO-14558-1] c 46 N80-24906
- Cooled echelle grating spectrometer
[NASA-CASE-NPO-14372-1] c 35 N80-26635
- Improved method for driving two-phase turbines with enhanced efficiency
[NASA-CASE-NPO-15037-1] c 37 N80-26660
- Simultaneous muscle force and displacement transducer
[NASA-CASE-NPO-14212-1] c 52 N80-27072
- Miniature cyclotron resonance ion source using small permanent magnet
[NASA-CASE-NPO-14324-1] c 72 N80-27163
- Silicone containing solid propellant
[NASA-CASE-NPO-14477-1] c 28 N80-28536
- System for slicing silicon wafers
[NASA-CASE-NPO-14406-1] c 37 N80-29703
- Induced junction solar cell and method of fabrication
[NASA-CASE-NPO-13786-1] c 44 N80-29835
- Means for growing ribbon crystals without subjecting the crystals to thermal shock-induced strains
[NASA-CASE-NPO-14298-1] c 76 N80-32244
- Method of growing a ribbon crystal particularly suited for facilitating automated control of ribbon width
[NASA-CASE-NPO-14295-1] c 76 N80-32245
- Interferometric locating system
[NASA-CASE-NPO-14173-1] c 04 N80-32359
- Curable liquid hydrocarbon prepolymers containing hydroxyl groups and process for producing same
[NASA-CASE-NPO-13137-1] c 27 N80-32514
- Prepolymer dianhydrides
[NASA-CASE-NPO-13899-1] c 27 N80-32515
- System for plotting subsoil structure and method thereof
[NASA-CASE-NPO-14191-1] c 31 N80-32584
- Support assembly for cryogenically coolable low-noise choke waveguide
[NASA-CASE-NPO-14253-1] c 32 N80-32605
- Apparatus for measuring semiconductor device resistance
[NASA-CASE-NPO-14424-1] c 33 N80-32650
- Stark cell optoacoustic detection of constituent gases in sample
[NASA-CASE-NPO-14143-1] c 25 N81-14015
- Membrane consisting of polyquaternary amine ion exchange polymer network interpenetrating the chains of thermoplastic matrix polymer
[NASA-CASE-NPO-14001-1] c 27 N81-14076
- Frequency translating phase conjugation circuit for active retrodirective antenna array
[NASA-CASE-NPO-14536-1] c 32 N81-14185
- Precise RF timing signal distribution to remote stations
[NASA-CASE-NPO-14749-1] c 32 N81-14186
- Base drive for paralleled inverter systems
[NASA-CASE-NPO-14163-1] c 33 N81-14220
- Low cost cryostat
[NASA-CASE-NPO-14513-1] c 35 N81-14287
- Power control for hot gas engines
[NASA-CASE-NPO-14220-1] c 37 N81-14318
- Method and apparatus for fabricating improved solar cell modules
[NASA-CASE-NPO-14416-1] c 44 N81-14389
- Viscoelastic cationic polymers containing the urethane linkage
[NASA-CASE-NPO-10830-1] c 27 N81-15104
- Recovery of aluminum from composite propellants
[NASA-CASE-NPO-14110-1] c 28 N81-15119
- Continuous coal processing method
[NASA-CASE-NPO-13758-2] c 31 N81-15154
- Method and apparatus for quadrupole-shift-key and linear phase modulation
[NASA-CASE-NPO-14444-1] c 33 N81-15192
- An electro-optical Doppler tracker means and method for optical correlation of synthetic aperture radar data
[NASA-CASE-NPO-14998-1] c 33 N81-15194
- Speed control device for a heavy duty shaft
[NASA-CASE-NPO-14170-1] c 37 N81-15364
- Redundant operation of counter modules
[NASA-CASE-NPO-14162-1] c 60 N81-15706
- Insoluble polyelectrolyte and ion-exchange hollow fiber impregnated therewith
[NASA-CASE-NPO-13530-1] c 25 N81-17187
- Molten salt pyrolysis of latex
[NASA-CASE-NPO-14315-1] c 27 N81-17261
- Phase-angle controller for Stirling engines
[NASA-CASE-NPO-14388-1] c 37 N81-17432
- Solar energy receiver for a Stirling engine
[NASA-CASE-NPO-14619-1] c 44 N81-17518

- System for forming a quadrified image comprising angularly related fields of view of a three dimensional object
[NASA-CASE-NPO-14219-1] c 74 N81-17886
- Double-beam optical method and apparatus for measuring thermal diffusivity and other molecular dynamic processes in utilizing the transient thermal lens effect
[NASA-CASE-NPO-14657-1] c 74 N81-17887
- Interferometer
[NASA-CASE-NPO-14502-1] c 74 N81-17888
- Ion-exchange hollow fibers
[NASA-CASE-NPO-13309-1] c 25 N81-19244
- Apparatus for use in the production of ribbon-shaped crystals from a silicon melt
[NASA-CASE-NPO-14297-1] c 33 N81-19389
- Elimination of current spikes in buck power converters
[NASA-CASE-NPO-14505-1] c 33 N81-19393
- Copper doped polycrystalline silicon solar cell
[NASA-CASE-NPO-14670-1] c 44 N81-19558
- System and method for character recognition
[NASA-CASE-NPO-11337-1] c 74 N81-19896
- X-ray position detector
[NASA-CASE-NPO-12087-1] c 74 N81-19898
- Controller for computer control of brushless dc motors
[NASA-CASE-NPO-13970-1] c 33 N81-20352
- Multifunctional transducer
[NASA-CASE-NPO-14329-1] c 52 N81-20703
- Low-frequency radio navigation system
[NASA-CASE-NPO-15264-1] c 04 N81-22036
- Focal plane array optical proximity sensor
[NASA-CASE-NPO-15155-1] c 74 N81-22894
- Polymers compositions and their method of manufacture
[NASA-CASE-NPO-10424-1] c 27 N81-24258
- Low current linearization of magnetic amplifier for dc transducer
[NASA-CASE-NPO-14617-1] c 33 N81-24338
- Maser amplifier slow wave structure
[NASA-CASE-NPO-15211-1] c 36 N81-24425
- Stark effect spectrophotometer for continuous absorption spectra monitoring
[NASA-CASE-NPO-15102-1] c 25 N81-25159
- Multifrequency broadband polarized horn antenna
[NASA-CASE-NPO-14588-1] c 32 N81-25278
- Hot gas engine with dual crankshafts
[NASA-CASE-NPO-14221-1] c 37 N81-25370
- Sandblasting nozzle
[NASA-CASE-NPO-13823-1] c 37 N81-25371
- Photomechanical transducer
[NASA-CASE-NPO-14363-1] c 39 N81-25400
- Underground mineral extraction
[NASA-CASE-NPO-14140-1] c 43 N81-26509
- CCD correlated quadruple sampling processor
[NASA-CASE-NPO-14426-1] c 33 N81-27396
- Programmable scan/read circuitry for charge coupled device imaging detectors
[NASA-CASE-NPO-15345-1] c 33 N81-27403
- Terminal guidance sensor system
[NASA-CASE-NPO-14521-1] c 37 N81-27519
- A stable density-stratification solar pond
[NASA-CASE-NPO-15419-1] c 44 N81-27599
- Medical diagnosis system and method with multispectral imaging
[NASA-CASE-NPO-14402-1] c 52 N81-27783
- High-speed multiplexing of keyboard data inputs
[NASA-CASE-NPO-14554-1] c 60 N81-27814
- Acoustic suspension system
[NASA-CASE-NPO-15435-1] c 71 N81-27887
- Asymmetric polyimide separation membrane and method
[NASA-CASE-NPO-15431-1] c 25 N81-29178
- Baseband signal combiner for large aperture antenna array
[NASA-CASE-NPO-14641-1] c 32 N81-29308
- Schottky barrier solar cell
[NASA-CASE-NPO-13889-2] c 44 N81-29525
- Interferometer
[NASA-CASE-NPO-14448-1] c 74 N81-29963
- Coal desulfurization
[NASA-CASE-NPO-14272-1] c 25 N81-33246
- Pressure letdown method and device for coal conversion systems
[NASA-CASE-NPO-15100-1] c 28 N81-33306
- Method and apparatus for producing concentric hollow spheres
[NASA-CASE-NPO-14596-1] c 31 N81-33319
- Push-pull converter with energy saving circuit for protecting switching transistors from peak power stress
[NASA-CASE-NPO-14316-1] c 33 N81-33404
- PN lock indicator for dithered PN code tracking loop
[NASA-CASE-NPO-14435-1] c 33 N81-33405
- Optical gyroscope system
[NASA-CASE-NPO-14258-1] c 35 N81-33448
- Method and apparatus for precision control of radiometer
[NASA-CASE-NPO-15398-1] c 35 N81-33449
- Head for high speed spinner having a vacuum chuck
[NASA-CASE-NPO-15227-1] c 37 N81-33482
- Radiative cooler
[NASA-CASE-NPO-15465-1] c 18 N82-10106
- Synthetic aperture radar target simulator
[NASA-CASE-NPO-15024-1] c 32 N82-10286
- Solar energy modulator
[NASA-CASE-NPO-15388-1] c 44 N82-10496
- Fluidized bed coal combustion reactor
[NASA-CASE-NPO-14273-1] c 25 N82-11144
- Scrubber for silicon wafers
[NASA-CASE-NPO-15539-1] c 37 N82-11469
- Sewage sludge additive
[NASA-CASE-NPO-13877-1] c 45 N82-11634
- Automatic multi-banking of memory for microprocessors
[NASA-CASE-NPO-15295-1] c 60 N82-11785
- Supercritical multicomponent solvent coal extraction
[NASA-CASE-NPO-15767-1] c 28 N82-12241
- Real-time multiple-look synthetic aperture radar processor for spacecraft applications
[NASA-CASE-NPO-14054-1] c 32 N82-12297
- A pipelined digital SAR azimuth correlator using hybrid FFT/transversal-filter
[NASA-CASE-NPO-15519-1] c 32 N82-12298
- Multiple-beam, high-power, precision pointing antenna system
[NASA-CASE-NPO-15406-1] c 33 N82-12345
- Phase sensitive guidance sensor for wire-following vehicles
[NASA-CASE-NPO-15341-1] c 33 N82-12346
- Microwave limb sounder
[NASA-CASE-NPO-14544-1] c 46 N82-12685
- Faraday rotation measurement method and apparatus
[NASA-CASE-NPO-14839-1] c 35 N82-15381
- Solar heated fluidized bed gasification system
[NASA-CASE-NPO-15071-1] c 44 N82-16475
- Method for shaping and aiming narrow beams
[NASA-CASE-NPO-14632-1] c 32 N82-18443
- Fiber optic transmission line stabilization apparatus and method
[NASA-CASE-NPO-15036-1] c 74 N82-19029
- Suspension system for a wheel rolling on a flat track
[NASA-CASE-NPO-14395-1] c 37 N82-21587
- Method and apparatus for growth of crystals by pressure reduction of supercritical or subcritical solution
[NASA-CASE-NPO-15772-1] c 76 N82-23031
- Crude oil desulfurization
[NASA-CASE-NPO-14542-1] c 25 N82-23282
- Echo tracker/range finder for radars and sonars
[NASA-CASE-NPO-14361-1] c 32 N82-23376
- Glass heating panels and method for preparing the same from architectural reflective glass
[NASA-CASE-NPO-15753-1] c 33 N82-23396
- Constant magnification optical tracking system
[NASA-CASE-NPO-14813-1] c 74 N82-24072
- MHD electrical generator
[NASA-CASE-NPO-15399-1] c 75 N82-24079
- Pulse switching for high energy lasers
[NASA-CASE-NPO-14556-1] c 33 N82-24418
- Acoustic rotation control
[NASA-CASE-NPO-15689-1] c 35 N82-24475
- Hermetic seal for a shaft
[NASA-CASE-NPO-15115-1] c 37 N82-24493
- Means and method for calibrating a photon detector utilizing electron-photon coincidence
[NASA-CASE-NPO-15644-1] c 72 N82-24953
- Ion mass spectrometer
[NASA-CASE-NPO-15423-1] c 91 N82-25042
- Autocatalytic coal liquefaction process
[NASA-CASE-NPO-14876-2] c 28 N82-25394
- General logic structure for custom LSI circuits
[NASA-CASE-NPO-14410-2] c 33 N82-25440
- Instrumentation for sensing moisture content of material using a transient thermal pulse
[NASA-CASE-NPO-15494-1] c 35 N82-25484
- Epitaxial thinning process
[NASA-CASE-NPO-15786-1] c 25 N82-26397
- Supercritical solvent coal extraction
[NASA-CASE-NPO-15210-1] c 28 N82-26481
- Wideband passive synthetic-aperture multichannel receiver
[NASA-CASE-NPO-15651-1] c 32 N82-26523
- Electrodes for solid state devices
[NASA-CASE-NPO-15161-1] c 33 N82-26575
- State-of-charge coulometer
[NASA-CASE-NPO-15759-1] c 35 N82-26630
- A brushless dc tachometer
[NASA-CASE-NPO-15706-1] c 35 N82-26633
- Correlation spectrometer having high resolution and multiplexing capability
[NASA-CASE-NPO-15558-1] c 35 N82-26636
- Spectrophotometer stabilized laser with line center offset frequency control
[NASA-CASE-NPO-15516-1] c 36 N82-26652
- Automotive absorption air conditioner utilizing solar and motor waste heat
[NASA-CASE-NPO-15183-1] c 44 N82-26776
- Efficiency of silicon solar cells containing chromium
[NASA-CASE-NPO-15179-1] c 44 N82-26777
- Process and apparatus for growing a crystal ribbon
[NASA-CASE-NPO-15629-1] c 44 N82-26779
- Method and apparatus for calibrating the ionosphere and application to surveillance of geophysical events
[NASA-CASE-NPO-15430-1] c 46 N82-26890
- Acoustic levitation methods and apparatus
[NASA-CASE-NPO-15562-1] c 71 N82-27086
- Acoustic agglomeration methods and apparatus
[NASA-CASE-NPO-15466-1] c 71 N82-27087
- Thermochemical generation of hydrogen
[NASA-CASE-NPO-15015-1] c 25 N82-28368
- Method of forming frozen spheres in a force-free drop tower
[NASA-CASE-NPO-14845-1] c 27 N82-28442
- Method and apparatus for Delta K synthetic aperture radar measurement of ocean current
[NASA-CASE-NPO-15704-1] c 32 N82-28502
- High power metallic halide laser
[NASA-CASE-NPO-14782-1] c 36 N82-28616
- Arrangement for damping the resonance in a laser diode
[NASA-CASE-NPO-15980-1] c 36 N82-28618
- Method and apparatus for transfer function simulator for testing complex systems
[NASA-CASE-NPO-15696-1] c 36 N82-28619
- Improved ingot slicing machine
[NASA-CASE-NPO-15483-1] c 37 N82-28642
- Method of fabricating Schottky Barrier solar cell
[NASA-CASE-NPO-13889-4] c 44 N82-28780
- Wind and solar powered turbine
[NASA-CASE-NPO-15496-1] c 44 N82-28784
- Solar concentrator protective system
[NASA-CASE-NPO-15662-1] c 44 N82-28785
- Acoustic particle separation
[NASA-CASE-NPO-15559-1] c 71 N82-29112
- Coal desulfurization by aqueous chlorination
[NASA-CASE-NPO-14902-1] c 25 N82-29371
- Control means for a solid state crossbar switch
[NASA-CASE-NPO-15066-1] c 33 N82-29538
- Discriminator aided phase lock acquisition for suppressed carrier signals
[NASA-CASE-NPO-14311-1] c 33 N82-29539
- Coherently pulsed laser source
[NASA-CASE-NPO-15111-1] c 36 N82-29589
- Solid electrolyte cell
[NASA-CASE-NPO-15269-1] c 44 N82-29710
- Saltless solar pond
[NASA-CASE-NPO-15808-1] c 44 N82-29714
- Electromigration process for the purification of molten silicon during crystal growth
[NASA-CASE-NPO-14831-1] c 76 N82-30105
- Method and apparatus for self-calibration and phasing of array antenna
[NASA-CASE-NPO-15920-1] c 32 N82-33593
- Low noise lead screw positioner
[NASA-CASE-NPO-15617-1] c 35 N82-33681
- Hyperthermia heating apparatus
[NASA-CASE-NPO-14549-2] c 52 N82-33996
- CAT altitude avoidance system
[NASA-CASE-NPO-15351-1] c 06 N83-10040
- Method and apparatus for convection control of metallic halide vapor density in a metallic halide laser
[NASA-CASE-NPO-15021-1] c 36 N83-10417
- Thermal reactor
[NASA-CASE-NPO-14369-1] c 44 N83-10501
- Retinally stabilized differential resolution television display
[NASA-CASE-NPO-15432-1] c 32 N83-12308
- Submillimeter wave Schottky barrier diode with low series resistance and low noise
[NASA-CASE-NPO-15935-1] c 33 N83-12334
- Closed loop electrostatic system
[NASA-CASE-NPO-15553-1] c 33 N83-12335
- Ranging system
[NASA-CASE-NPO-15865-1] c 74 N83-12991
- Integrated optics in an electrically scanned imaging Fourier transform spectrometer
[NASA-CASE-NPO-15844-1] c 74 N83-12992
- Total immersion crystal growth
[NASA-CASE-NPO-15800-1] c 76 N83-15149
- Enhancement of in vitro guayule propagation
[NASA-CASE-NPO-15213-1] c 51 N83-17045
- System for indicating fuel-efficient aircraft altitude
[NASA-CASE-NPO-15351-2] c 06 N83-17536
- Contactless pellet fabrication
[NASA-CASE-NPO-15592-1] c 31 N83-17746
- Optical fiber tactile sensor
[NASA-CASE-NPO-15375-1] c 74 N83-18485
- Servomechanism for Doppler shift compensation in optical correlator for synthetic aperture radar
[NASA-CASE-NPO-14998-1] c 32 N83-18975

- Synchronized voltage contrast display analysis system
[NASA-CASE-NPO-14567-1] c 33 N83-18996
- Broadband optical radiation detector
[US-PATENT-4,262,198] c 74 N83-19597
- Combustion engine system
[NASA-CASE-NPO-14565-2] c 25 N83-19826
- Production of ultrapure amorphous metals utilizing acoustic cooling
[NASA-CASE-NPO-15658-1] c 26 N83-19890
- Elastomer coated filler and composites thereof comprising at least 60% by weight of a hydrated filler and an elastomer containing an acid substituent
[NASA-CASE-NPO-14857-1] c 27 N83-19900
- Absorbable susceptor joining of ceramic surfaces
[NASA-CASE-NPO-15640-1] c 27 N83-19904
- Thin wire pointing method
[NASA-CASE-NPO-15789-1] c 31 N83-19947
- Clutter free synthetic aperture radar correlator
[NASA-CASE-NPO-14035-1] c 32 N83-19968
- Beam forming network
[NASA-CASE-NPO-15743-1] c 32 N83-19969
- Electronic consscanning spacecraft communication system
[NASA-CASE-NPO-15899-1] c 32 N83-19970
- Trace water sensor
[NASA-CASE-NPO-15722-1] c 35 N83-20084
- Integrated opto-electronic laser beam deflector position detector
[NASA-CASE-NPO-15943-1] c 36 N83-20092
- High production shuttle car system for coal mines
[NASA-CASE-NPO-15949-1] c 37 N83-20155
- Articulated joint for deployable structures
[NASA-CASE-NPO-16038-1] c 37 N83-20157
- Method and apparatus for contour mapping using synthetic aperture radar
[NASA-CASE-NPO-15939-1] c 43 N83-20324
- Apparatus and method for destructive removal of particles contained in a flowing fluid
[NASA-CASE-NPO-15426-1] c 45 N83-20447
- Multicomputer communication system
[NASA-CASE-NPO-15433-1] c 62 N83-20634
- Integrating IR detector imaging systems
[NASA-CASE-NPO-15805-1] c 74 N83-20757
- Controlled in situ etch-back
[NASA-CASE-NPO-15625-1] c 76 N83-20789
- Method of making macrocrystalline or single crystal semiconductive material and products produced thereby
[NASA-CASE-NPO-15904-1] c 76 N83-21993
- Stabilized lanthanum sulphur compounds
[NASA-CASE-NPO-16135-1] c 25 N83-24572
- Split-cross-bridge-resistor for testing for proper fabrication of integrated circuit
[NASA-CASE-NPO-16021-1] c 33 N83-24769
- Digital control of diode laser for atmospheric spectroscopy
[NASA-CASE-NPO-16000-1] c 36 N83-24842
- Mobile sampler for use in acquiring samples of terrestrial atmospheric gases
[NASA-CASE-NPO-15220-1] c 45 N83-25217
- System and method for moving a probe to follow movements of tissue
[NASA-CASE-NPO-15197-1] c 52 N83-25346
- Method for making a bonded single mode fiber optic wavelength coupler
[NASA-CASE-NPO-15464-1] c 74 N83-25540
- Optical system
[NASA-CASE-NPO-15801-1] c 74 N83-25541
- Photoelectrochemical electrodes
[NASA-CASE-NPO-15458-1] c 76 N83-25587
- Waveguide cooling system
[NASA-CASE-NPO-15401-1] c 32 N83-27085
- Electronic system for high power load control
[NASA-CASE-NPO-15358-1] c 33 N83-27126
- Particle analyzing method and apparatus
[NASA-CASE-NPO-15292-1] c 35 N83-27184
- Carbon granule probe microphone for leak detection
[NASA-CASE-NPO-16027-1] c 33 N83-29595
- Centrifugal-reciprocating compressor
[NASA-CASE-NPO-14597-2] c 37 N83-29708
- X-ray imaging mirror system and method of producing the same
[NASA-CASE-NPO-15828-1] c 74 N83-30222
- Method for growing low defect, high purity crystalline layers
[NASA-CASE-NPO-15813-1] c 76 N83-30269
- Hydrodesulfurization of chlorinated coal
[NASA-CASE-NPO-15304-1] c 25 N83-31743
- Method and apparatus for producing gas-filled hollow spheres
[NASA-CASE-NPO-14596-3] c 31 N83-31896
- Cycling Joule Thomson refrigerator
[NASA-CASE-NPO-15251-1] c 31 N83-31897
- Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths
[NASA-CASE-NPO-14525-2] c 32 N83-31918
- Method and device for detection of a substance
[NASA-CASE-NPO-14940-1] c 33 N83-31954
- System for monitoring physical characteristics of fluids
[NASA-CASE-NPO-15400-1] c 34 N83-31993
- Cloud cover sensor
[NASA-CASE-NPO-14936-1] c 47 N83-32232
- Distributed multipoint memory architecture
[NASA-CASE-NPO-15342-1] c 60 N83-32342
- Acoustic system for material transport
[NASA-CASE-NPO-15453-1] c 71 N83-32515
- System for controlled acoustic rotation of objects
[NASA-CASE-NPO-15522-1] c 71 N83-32516
- Portable laser remote system for methane gas detection
[NASA-CASE-NPO-15790-1] c 36 N83-33137
- Mixed polyvalent-monovalent metal coating for carbon-graphite fibers
[NASA-CASE-NPO-14987-1] c 24 N83-33950
- Antenna grout replacement system
[NASA-CASE-NPO-15202-1] c 27 N83-34043
- Sphere forming method and apparatus
[NASA-CASE-NPO-15070-1] c 31 N83-35176
- Resonant isolator for maser amplifier
[NASA-CASE-NPO-15201-1] c 36 N83-35350
- Acoustic bubble removal method
[NASA-CASE-NPO-15334-1] c 71 N83-35781
- Method of increasing minority carrier lifetime in silicon web or the like
[NASA-CASE-NPO-15530-1] c 76 N83-35888
- Tower evaporator
[NASA-CASE-NPO-15609-1] c 25 N83-36119
- Fluidized bed coal liquefaction
[NASA-CASE-NPO-15891-1] c 25 N83-36120
- Fluidized bed liquefaction of biomass
[NASA-CASE-NPO-15907-1] c 25 N83-36121
- Fluidized bed desulfurization
[NASA-CASE-NPO-15924-1] c 25 N83-36122
- Rotary stepping device with memory metal actuator
[NASA-CASE-NPO-15482-1] c 37 N83-36484
- Memory metal actuator
[NASA-CASE-NPO-15960-1] c 37 N83-36485
- Acoustic suspension system
[NASA-CASE-NPO-15435-1] c 71 N83-36846
- High temperature acoustic levitator
[NASA-CASE-NPO-16022-1] c 71 N83-36847
- National Aeronautics and Space Administration, Wallops Flight Center, Wallops Island, Va.**
- Thin film strain transducer
[NASA-CASE-WLP-10055-1] c 35 N82-26632
- National Aeronautics and Space Administration, Western Operations Office, Santa Monica, Calif.**
- Automatic pump Patent
[NASA-CASE-XNP-04731] c 15 N71-24042
- National Bureau of Standards, Boulder, Colo.**
- Densitometer Patent
[NASA-CASE-XLE-00688] c 14 N70-41330
- National Oceanic and Atmospheric Administration, Boulder, Colo.**
- Determining distance to lightning strokes from a single station
[NASA-CASE-KSC-10698] c 07 N73-20175
- National Research Corp., Cambridge, Mass.**
- Gauge calibration by diffusion
[NASA-CASE-XGS-07752] c 14 N73-30390
- Ultrahigh vacuum measuring ionization gauge
[NASA-CASE-XLA-05087] c 14 N73-30391
- Apparatus for absolute pressure measurement
[NASA-CASE-LAR-10000] c 14 N73-30394
- Ultrahigh vacuum gauge having two collector electrodes
[NASA-CASE-LAR-02743] c 14 N73-32324
- Rock sampling
[NASA-CASE-XNP-10007-1] c 46 N74-23068
- Rock sampling
[NASA-CASE-XNP-09755] c 46 N74-23069
- National Science Foundation, Washington, D.C.**
- Laser apparatus
[NASA-CASE-GSC-12237-1] c 36 N80-14384
- New England Medical Center Hospitals, Boston, Mass.**
- Determination of antimicrobial susceptibilities on infected urines without isolation
[NASA-CASE-GSC-12046-1] c 52 N79-14750
- North American Aviation, Inc., Canoga Park, Calif.**
- Method of joining aluminum to stainless steel Patent
[NASA-CASE-MFS-07369] c 15 N71-20443
- Propellant mass distribution metering apparatus Patent
[NASA-CASE-NPO-10185] c 10 N71-26339
- Safety-type locking pin
[NASA-CASE-MFS-18495] c 15 N72-11385
- Hydrogen fire detection system with logic circuit to analyze the spectrum of temporal variations of the optical spectrum
[NASA-CASE-MFS-13130] c 10 N72-17173
- North American Aviation, Inc., Downey, Calif.**
- Heat shield oven
[NASA-CASE-XMS-04318] c 15 N69-27871
- Extensible cable support Patent
[NASA-CASE-XMF-07587] c 15 N71-18701
- High pressure air valve Patent
[NASA-CASE-MSC-11010] c 15 N71-19485
- Load relieving device Patent
[NASA-CASE-XMS-06329-1] c 15 N71-20441
- Optical projector system Patent
[NASA-CASE-XNP-03853] c 23 N71-21882
- Brazing alloy Patent
[NASA-CASE-XNP-03063] c 17 N71-23365
- Vibrophonocardiograph Patent
[NASA-CASE-XFR-07172] c 05 N71-27234
- North American Aviation, Inc., El Segundo, Calif.**
- Aerodynamic spike nozzle Patent
[NASA-CASE-XGS-01143] c 31 N71-15647
- Expanding center probe and drogue Patent
[NASA-CASE-XMS-03613] c 31 N71-16346
- Radio frequency shielded enclosure Patent
[NASA-CASE-XMF-09422] c 07 N71-19436
- High impedance measuring apparatus Patent
[NASA-CASE-XMS-08589-1] c 09 N71-20569
- Latching mechanism Patent
[NASA-CASE-XMS-03745] c 15 N71-21076
- Tube dimpling tool Patent
[NASA-CASE-XMS-06876] c 15 N71-21536
- Positive locking check valve Patent
[NASA-CASE-XMS-09310] c 15 N71-22706
- Etching of aluminum for bonding Patent
[NASA-CASE-XMF-02303] c 17 N71-23828
- Method and apparatus for varying thermal conductivity Patent
[NASA-CASE-XNP-05524] c 33 N71-24876
- Purge device for thrust engines Patent
[NASA-CASE-XMS-04826] c 28 N71-28849
- Method and construction for protecting heat sensitive bodies from thermal radiation and convective heat Patent
[NASA-CASE-XNP-01310] c 33 N71-28852
- Propellant tank pressurization system Patent
[NASA-CASE-XNP-00650] c 27 N71-28929
- Spherical shield Patent
[NASA-CASE-XNP-01855] c 15 N71-28937
- Universal restrainer and joint Patent
[NASA-CASE-XNP-02278] c 15 N71-28951
- Method and device for cooling Patent
[NASA-CASE-HON-00938] c 33 N71-29053
- North American Aviation, Inc., Los Angeles, Calif.**
- Method and system for respiration analysis Patent
[NASA-CASE-XFR-08403] c 05 N71-11202
- North American Aviation, Inc., Torrance, Calif.**
- Method and apparatus for detection and location of microleaks Patent
[NASA-CASE-XMF-02307] c 14 N71-10779
- North American Aviation, Inc., Woodland Hills, Calif.**
- Fluid pressure balanced seal
[NASA-CASE-XGS-01286-1] c 37 N79-33469
- North American Phillips Co., Inc., Briarcliff Manor, N. Y.**
- Linear magnetic bearings
[NASA-CASE-GSC-12582-2] c 37 N83-13460
- North American Phillips Co., Inc., Tarrytown, N.Y.**
- Linear magnetic bearings
[NASA-CASE-GSC-12582-1] c 37 N81-16469
- Reciprocating linear motor
[NASA-CASE-GSC-12773-1] c 33 N83-12332
- North American Rockwell Corp., Canoga Park, Calif.**
- Noncontaminating swabs
[NASA-CASE-MFS-18100] c 15 N72-11390
- Observation window for a gas confining chamber
[NASA-CASE-NPO-10890] c 11 N73-12265
- Droplet monitoring probe
[NASA-CASE-NPO-10985] c 14 N73-20478
- Circuit board package with wedge shaped covers
[NASA-CASE-MFS-21919-1] c 10 N73-25243
- Heat flow calorimeter
[NASA-CASE-GSC-11434-1] c 34 N74-27859
- North American Rockwell Corp., Downey, Calif.**
- Spacecraft Patent
[NASA-CASE-MSC-13047-1] c 31 N71-25434
- Latching mechanism Patent
[NASA-CASE-MSC-15474-1] c 15 N71-26162
- Dye penetrant for surfaces subsequently contacted by liquid oxygen Patent
[NASA-CASE-XMF-02221] c 18 N71-27170
- Frangible link
[NASA-CASE-MSC-11849-1] c 15 N72-22488
- Impact monitoring apparatus
[NASA-CASE-MSC-15626-1] c 14 N72-25411
- Bonding or repairing process
[NASA-CASE-MSC-12357] c 15 N73-12489
- Self-cycling fluid heater
[NASA-CASE-MSC-15567-1] c 33 N73-16918
- Phase protection system for ac power lines
[NASA-CASE-MSC-17832-1] c 33 N74-14956

Apparatus for remote handling of materials
[NASA-CASE-LAR-10634-1] c 37 N74-18123
Grain refinement control in TIG arc welding
[NASA-CASE-MSC-19095-1] c 37 N75-19683

North American Rockwell Corp., El Segundo, Calif.

Apparatus for testing wiring harness by vibration generating means
[NASA-CASE-MSC-15158-1] c 14 N72-17325
Tactile sensing means for prosthetic limbs
[NASA-CASE-MFS-16570-1] c 05 N73-32013

North Carolina State Univ., Raleigh.

Thermal shock resistant hafnia ceramic material
[NASA-CASE-LAR-10894-1] c 18 N73-14584
Thermal shock and erosion resistant tantalum carbide ceramic material
[NASA-CASE-LAR-11902-1] c 27 N78-17206

Northeastern Univ., Boston, Mass.

Pulse-width modulation multiplier Patent
[NASA-CASE-XER-09213] c 07 N71-12390

Northrop Corp., Hawthorne, Calif.

Shock tube bypass piston tunnel
[NASA-CASE-NPO-12109] c 11 N72-22245
Folding structure fabricated of rigid panels
[NASA-CASE-XHO-02146] c 18 N75-27040

Northrop Nortronics, Palos Verdes Peninsula, Calif.

Method of making dry electrodes
[NASA-CASE-FRC-10029-2] c 05 N72-25121
Valve seat
[NASA-CASE-NPO-10606] c 15 N72-25451

Northrop Services, Inc., Greenbelt, Md.

Procedure for internally mounting strain gauges
[NASA-CASE-GSC-12824-1] c 35 N83-13424

Northrop Space Labs., Hawthorne, Calif.

Method of evaluating moisture barrier properties of encapsulating materials Patent
[NASA-CASE-NPO-10051] c 18 N71-24934

Nortronics, Palos Verdes Peninsula, Calif.

Flexible conductive disc electrode Patent
[NASA-CASE-FRC-10029] c 09 N71-24618
Gas low pressure low flow rate metering system Patent
[NASA-CASE-FRC-10022] c 12 N71-26546

Method of removing insulated material from insulated wires
[NASA-CASE-FRC-10038] c 15 N72-20444

Notre Dame Univ., Ind.

Synthesis of polymeric schiff bases by schiff-base exchange reactions Patent
[NASA-CASE-XMF-08651] c 06 N71-11236

Direct synthesis of polymeric schiff bases from two amines and two aldehydes Patent
[NASA-CASE-XMF-08655] c 06 N71-11239

Azine polymers and process for preparing the same Patent
[NASA-CASE-XMF-08656] c 06 N71-11242

Synthesis of polymeric schiff bases by reaction of acetals and amine compounds Patent
[NASA-CASE-XMF-08652] c 06 N71-11243

Aromatic diamine-aromatic dialdehyde high molecular weight schiff base polymers prepared in a monofunctional schiff base Patent
[NASA-CASE-XMF-03074] c 06 N71-24740

O**Oakland Univ., Rochester, Mich.**

Optical process for producing classification maps from multispectral data
[NASA-CASE-MSC-14472-1] c 43 N77-10584

Interactive color display for multispectral imagery using correlation clustering
[NASA-CASE-MSC-16253-1] c 32 N79-20297

Occidental Research Corp., La Verne, Calif.

Process for preparing higher oxides of the alkali and alkaline earth metals
[NASA-CASE-ARC-10992-1] c 26 N78-32229

Ohio State Univ., Columbus.

Horn antenna having V-shaped corrugated slots
[NASA-CASE-LAR-11112-1] c 32 N76-15330

Distributed-switch Dicke radiometers
[NASA-CASE-GSC-12219-1] c 35 N80-18359

Old Dominion Univ., Norfolk, Va.

Instrumentation for measuring aircraft noise and sonic boom
[NASA-CASE-LAR-11476-1] c 07 N76-27232

Differential sound level meter
[NASA-CASE-LAR-12106-1] c 71 N78-14867

High-temperature microphone system
[NASA-CASE-LAR-12375-1] c 32 N79-24203

Aerodynamic side-force alleviator means
[NASA-CASE-LAR-12326-1] c 02 N81-14968

Leading edge vortex flaps for drag reduction
[NASA-CASE-LAR-12750-1] c 02 N81-19016

Leading edge flap system for aircraft control augmentation
[NASA-CASE-LAR-12787-1] c 05 N82-25240

Oregon Univ., Portland.

Method for separating biological cells
[NASA-CASE-MFS-23883-1] c 51 N80-16715

Organon Diagnostics, El Monte, Calif.

Water system virus detection
[NASA-CASE-MSC-16098-1] c 51 N79-10693

P**Packard-Bell Electronics Corp., Newbury Park, Calif.**

Optical alignment system Patent
[NASA-CASE-XNP-02029] c 14 N70-41955

Pan American World Airways, Inc., New York.

Self-charging metering and dispensing device for fluids
[NASA-CASE-MSC-20275-1] c 35 N83-17856

Panau Corp., Pennsauken, N. J.

Method of forming transparent films of ZnO
[NASA-CASE-FRC-10019] c 15 N73-12487

PCR, Inc., Gainesville, Fla.

Perfluoroalkyl polythiazines containing pendent iododifluoromethyl groups
[NASA-CASE-ARC-11241-1] c 25 N81-14016

Peninsular ChemResearch, Inc., Gainesville, Fla.

Hydroxy terminated perfluoro ethers Patent
[NASA-CASE-NPO-10768] c 06 N71-27254

Perfluoro polyether acyl fluorides
[NASA-CASE-NPO-10765] c 06 N72-20121

Polyurethane resins from hydroxy terminated perfluoro ethers
[NASA-CASE-NPO-10768-2] c 06 N72-27144

Highly fluorinated polyurethanes
[NASA-CASE-NPO-10767-2] c 06 N72-27151

Highly fluorinated polyurethanes
[NASA-CASE-NPO-10767-1] c 06 N73-33076

Pennsylvania State Univ., University Park.

Process for the preparation of polycarbonylphosphazenes
[NASA-CASE-ARC-11176-2] c 27 N81-27271

Carboranylcyctriphosphazenes and their polymers
[NASA-CASE-ARC-11176-1] c 27 N82-18389

Carboranylethylene-substituted phosphazenes, polymers thereof and process for the production thereof
[NASA-CASE-ARC-11370-1] c 27 N83-25884

Philco-Ford Corp., Houston, Tex.

Frequency modulation demodulator threshold extension device Patent
[NASA-CASE-MSC-12165-1] c 07 N71-33696

Philco-Ford Corp., Newport Beach, Calif.

Mechanically extendible telescoping boom
[NASA-CASE-NPO-11118] c 03 N72-25021

Philco-Ford Corp., Palo Alto, Calif.

Composite antenna feed
[NASA-CASE-GSC-11046-1] c 07 N73-28013

Amplitude steered array
[NASA-CASE-GSC-11446-1] c 33 N74-20860

Phoenix Corp., McLean, Va.

External bulb variable volume maser
[NASA-CASE-GSC-12334-1] c 36 N79-14362

Off-axis coherently pumped laser
[NASA-CASE-GSC-12592-1] c 36 N81-12407

Pittsburgh Univ., Pa.

Method and device for the detection of phenol and related compounds
[NASA-CASE-LEW-12513-1] c 25 N79-22235

Planning Research Corp., McLean, Va.

Telephone multiline signaling using common signal pair
[NASA-CASE-KSC-11023-1] c 32 N79-23310

Pratt and Whitney Aircraft, East Hartford, Conn.

Liquid-gas separation system Patent
[NASA-CASE-XMS-01624] c 15 N70-40062

Vibration damping system Patent
[NASA-CASE-XMS-01620] c 23 N71-15673

Vapor pressure measuring system and method Patent
[NASA-CASE-XMS-01618] c 14 N71-20741

Sealing member and combination thereof and method of producing said sealing member Patent
[NASA-CASE-XMS-01625] c 15 N71-23022

Q**Quantum Dynamics, Tarzana, Calif.**

Respiratory analysis system and method
[NASA-CASE-MSC-13436-1] c 05 N73-32015

R**Radiation, Inc., Melbourne, Fla.**

Remote platform power conserving system
[NASA-CASE-GSC-11182-1] c 15 N75-13007

Radiation Instrument Development Lab., Inc., Melrose Park, Ill.

High speed binary to decimal conversion system Patent
[NASA-CASE-XGS-01230] c 08 N71-19544

Radiation Systems, Inc., McLean, Va.

Monopulse tracking system Patent
[NASA-CASE-XGS-01155] c 10 N71-21483

Radio Corp. of America, Lancaster, Pa.

Bonding graphite with fused silver chloride
[NASA-CASE-XGS-00963] c 15 N69-39735

Radio Corp. of America, New York.

Water cooled contactor for anode in carbon arc mechanism
[NASA-CASE-XMS-03700] c 15 N69-24266

Apparatus for ballasting high frequency transistors
[NASA-CASE-XGS-05003] c 09 N69-24318

Helical coaxial resonator RF filter
[NASA-CASE-XGS-02816] c 07 N69-24323

Radiation resistant silicon semiconductor devices Patent
[NASA-CASE-XGS-07801] c 09 N71-12513

GaAs solar detector using manganese as a doping agent Patent
[NASA-CASE-XNP-01328] c 26 N71-18064

Thermocouple assembly Patent
[NASA-CASE-XNP-01659] c 14 N71-23039

Method of erasing target material of a vidicon tube or the like Patent
[NASA-CASE-XNP-06028] c 09 N71-23189

Transient augmentation circuit for pulse amplifiers Patent
[NASA-CASE-XNP-01068] c 10 N71-28739

Radio Corp. of America, Princeton, N. J.

Connector strips-positive, negative and T tabs
[NASA-CASE-XGS-01395] c 03 N69-21539

Solar cell including second surface mirrors Patent
[NASA-CASE-NPO-10109] c 03 N71-11049

Collapsible reflector Patent
[NASA-CASE-XMS-03454] c 09 N71-20658

Simple method of making photovoltaic junctions Patent
[NASA-CASE-XNP-01960] c 09 N71-23027

Method of electrolytically binding a layer of semiconductors together Patent
[NASA-CASE-XNP-01959] c 26 N71-23043

Method and apparatus for distillation of liquids Patent
[NASA-CASE-NPO-08124] c 15 N71-27184

Maximum power point tracker Patent
[NASA-CASE-GSC-10376-1] c 14 N71-27407

Method of changing the conductivity of vapor deposited gallium arsenide by the introduction of water into the vapor deposition atmosphere Patent
[NASA-CASE-XNP-01961] c 26 N71-29156

Radial heat flux transformer
[NASA-CASE-NPO-10828] c 33 N72-17948

Target acquisition antenna
[NASA-CASE-GSC-10064-1] c 10 N72-22235

Method for distillation of liquids
[NASA-CASE-XNP-08124-2] c 06 N73-13129

Hermetically sealed semiconductor
[NASA-CASE-GSC-10791-1] c 15 N73-14469

Thermal flux transfer system
[NASA-CASE-NPO-12070-1] c 28 N73-32606

Rotary solenoid shutter drive assembly and rotary inertia damper and stop plate assembly
[NASA-CASE-GSC-11560-1] c 33 N74-20861

Frequency measurement by coincidence detection with standard frequency
[NASA-CASE-MSC-14649-1] c 33 N76-16331

Means for growing ribbon crystals without subjecting the crystals to thermal shock-induced strains
[NASA-CASE-NPO-14298-1] c 76 N80-32244

Apparatus for use in the production of ribbon-shaped crystals from a silicon melt
[NASA-CASE-NPO-14297-1] c 33 N81-19389

Television camera video level control system
[NASA-CASE-MSC-18578-1] c 74 N82-27121

RAND Corp., Santa Monica, Calif.

Satellite communication system Patent
[NASA-CASE-XNP-02389] c 07 N71-28900

Raymond Engineering Lab., Inc., Middletown, Conn.

Synchronous servo loop control system Patent
[NASA-CASE-XNP-03744] c 10 N71-20448

Raytheon Co., Sudbury, Mass.

Laser Doppler system for measuring three dimensional vector velocity Patent
[NASA-CASE-MFS-20386] c 21 N71-19212

Clear air turbulence detector
[NASA-CASE-MFS-21244-1] c 36 N75-15028

RCA Labs., Princeton, N. J.

Solar cell with improved N-region contact and method of forming the same
[NASA-CASE-NPO-14205-1] c 44 N79-31752

RCA Service Co., Inc., Camden, N. J.
Apparatus for inspecting microfilm Patent
[NASA-CASE-MFS-20240] c 14 N71-26788

Rensselaer Polytechnic Inst., Troy, N. Y.
Coincidence apparatus for detecting particles
[NASA-CASE-XLA-07813] c 14 N72-17328

Dual acting slit control mechanism
[NASA-CASE-LAR-11370-1] c 35 N80-28686

Research Triangle Inst., Durham, N. C.
Semiconductor p-n junction stress and strain sensor
[NASA-CASE-XLA-04980] c 09 N69-27422

Rochester General Hospital, N. Y.
Prosthetic occlusive device for an internal passageway
[NASA-CASE-MFS-25640-1] c 52 N82-26962

Rochester Univ., N. Y.
Concave grating spectrometer Patent
[NASA-CASE-XGS-01036] c 14 N70-40003

Rocketdyne, Canoga Park, Calif.
Frequency to analog converter Patent
[NASA-CASE-XNP-07040] c 08 N71-12500

Load cell protection device Patent
[NASA-CASE-XMS-06782] c 32 N71-15974

Thermobulb mount Patent
[NASA-CASE-NPO-10156] c 33 N71-16356

Laminar flow enhancement Patent
[NASA-CASE-NPO-10122] c 12 N71-17631

Temperature sensitive flow regulator Patent
[NASA-CASE-MFS-14259] c 15 N71-19213

Hydrogen leak detection device Patent
[NASA-CASE-MFS-11537] c 14 N71-20442

Technique of elbow bending small jacketed transfer lines Patent
[NASA-CASE-XNP-10475] c 15 N71-24679

Gas liquefaction and dispensing apparatus Patent
[NASA-CASE-NPO-10070] c 15 N71-27372

Locking device for turbine rotor blades Patent
[NASA-CASE-XNP-00816] c 28 N71-28928

Laser camera and diffusion filter therefore Patent
[NASA-CASE-NPO-10417] c 18 N71-33410

Hydrazinium nitroformate propellant stabilized with nitroguanidine
[NASA-CASE-NPO-12000] c 27 N72-25699

Hydrazinium nitroformate propellant with saturated polymenc hydrocarbon binder
[NASA-CASE-NPO-12015] c 27 N73-16784

Novel polymers and method of preparing same
[NASA-CASE-NPO-10998-1] c 06 N73-32029

Internally supported flexible duct joint
[NASA-CASE-MFS-19193-1] c 37 N75-19686

Method of heat treating age-hardenable alloys
[NASA-CASE-XNP-01311] c 26 N75-29236

Thrust measurement
[NASA-CASE-XMS-05731] c 35 N75-29382

Device for installing rocket engines
[NASA-CASE-MFS-19220-1] c 20 N76-22296

Rockwell International Corp., Anaheim, Calif.
Hermetically sealable package for hybrid solid-state electronic devices and the like
[NASA-CASE-MSC-20181-1] c 33 N82-28549

Rockwell International Corp., Calif.
Brazing alloy binder
[NASA-CASE-XMF-05868] c 26 N75-27125

Brazing alloy composition
[NASA-CASE-XMF-06053] c 26 N75-27126

Brazing alloy
[NASA-CASE-XNP-03878] c 26 N75-27127

Method and apparatus for vibration analysis utilizing the Mossbauer effect
[NASA-CASE-XMF-05882] c 35 N75-27329

Externally supported internally stabilized flexible duct joint
[NASA-CASE-MFS-19194-1] c 37 N76-14460

Accumulator
[NASA-CASE-MFS-19287-1] c 34 N77-30399

Laser extensometer
[NASA-CASE-MFS-19259-1] c 36 N78-14380

Stable superconducting magnet
[NASA-CASE-XMF-05373-1] c 33 N79-21264

Rockwell International Corp., Downey, Calif.
Apparatus for positioning modular components on a vertical or overhead surface
[NASA-CASE-LAR-11465-1] c 37 N76-21554

Flanged major modular assembly jig
[NASA-CASE-MSC-19372-1] c 39 N76-31582

Aircraft-mounted crash-activated transmitter device
[NASA-CASE-MFS-16609-3] c 03 N76-32140

Window defect planar mapping technique
[NASA-CASE-MSC-19442-1] c 74 N77-10899

Mechanical sequencer
[NASA-CASE-MSC-19536-1] c 37 N77-22482

Load regulating latch
[NASA-CASE-MSC-19535-1] c 37 N77-32499

Adjustable securing base
[NASA-CASE-MSC-19666-1] c 37 N78-17383

Method of producing complex aluminum alloy parts of high temper, and products thereof
[NASA-CASE-MSC-19693-1] c 26 N78-24333

Flexible pile thermal barrier insulator
[NASA-CASE-MSC-19568-1] c 34 N78-25350

Variable contour securing system
[NASA-CASE-MSC-16270-1] c 37 N78-27423

Multi-purpose wind tunnel reaction control model block
[NASA-CASE-MSC-19706-1] c 09 N78-31129

Sequencing device utilizing planetary gear set
[NASA-CASE-MSC-19514-1] c 37 N79-20377

System for automatically switching transformer coupled lines
[NASA-CASE-MSC-16697-1] c 33 N79-28415

Pressure limiting propellant actuating system
[NASA-CASE-MSC-18179-1] c 20 N80-18097

Floating nut retention system
[NASA-CASE-MSC-16938-1] c 37 N80-23653

Heat treat fixture and method of heat treating
[NASA-CASE-LAR-11821-1] c 26 N80-28492

Coaxial phased array antenna
[NASA-CASE-MSC-16800-1] c 32 N81-14187

Installing fiber insulation
[NASA-CASE-MSC-16973-1] c 37 N81-14317

Thermal barrier pressure seal
[NASA-CASE-MSC-18134-1] c 37 N81-15363

Cavity-backed, micro-strip dipole antenna array
[NASA-CASE-MSC-18608-1] c 32 N82-11336

Precision heat forming of tetrafluoroethylene tubing
[NASA-CASE-MSC-18430-1] c 37 N82-24491

High temperature penetrator assembly with bayonet plug and ramp-activated lock
[NASA-CASE-MSC-18526-1] c 37 N82-24494

A method and technique for installing light-weight fragile, high-temperature fiber insulation
[NASA-CASE-MSC-18934-3] c 24 N82-26387

Spiral slotted phased antenna array
[NASA-CASE-MSC-18532-1] c 32 N82-27558

Attachment system for silica tiles
[NASA-CASE-MSC-18741-1] c 27 N82-29456

Directional gear ratio transmission
[NASA-CASE-LAR-12644-1] c 37 N82-29605

Method for repair of thin glass coatings
[NASA-CASE-KSC-11097-1] c 27 N82-33520

Degassifying and mixing apparatus for liquids
[NASA-CASE-MSC-18936-1] c 35 N83-29652

Apparatus for accurately preloading auger attachment means for frangible protective material
[NASA-CASE-MSC-18791-1] c 37 N83-36482

Rockwell International Corp., Houston, Tex.
Reusable captive blind fastener
[NASA-CASE-MSC-18742-1] c 37 N82-26673

Rockwell International Corp., Los Angeles, Calif.
Length mode piezoelectric ultrasonic transducer for inspection of solid objects
[NASA-CASE-MSC-19872-1] c 38 N79-14398

Rockwell International Corp., Pittsburgh, Pa.
CAM controlled retractable door latch
[NASA-CASE-MSC-20304-1] c 37 N82-31690

Portable 90 deg proof loading device
[NASA-CASE-MSC-20250-1] c 37 N83-29707

Roph Corp., Chula Vista, Calif.
Method of forming shapes from planar sheets of thermosetting materials
[NASA-CASE-NPO-11036] c 15 N72-24522

Royal Aircraft Establishment, Farnborough (England).
Garments for controlling the temperature of the body Patent
[NASA-CASE-XMS-10269] c 05 N71-24147

Ryan Aeronautical Co., San Diego, Calif.
Wing deployment method and apparatus Patent
[NASA-CASE-XMS-00907] c 02 N70-41630

Masking device Patent
[NASA-CASE-XNP-02092] c 15 N70-42033

S

San Jose State Univ., Calif.
Chelate-modified polymers for atmospheric gas chromatography
[NASA-CASE-ARC-11154-1] c 25 N80-23383

Indomethacin-antihistamine combination for gastric ulceration control
[NASA-CASE-ARC-11118-2] c 52 N81-14613

Indomethacin-antihistamine combination for gastric ulceration control
[NASA-CASE-ARC-11118-1] c 52 N81-29764

Use of glow discharge in fluidized beds
[NASA-CASE-ARC-11245-1] c 28 N82-18401

Preparation of crosslinked 1,2,4-oxadiazole polymer
[NASA-CASE-ARC-11253-2] c 27 N82-24338

Fire extinguishant materials
[NASA-CASE-ARC-11252-1] c 25 N83-36118

Sanders Associates, Inc., Nashua, N. H.
Increasing efficiency of switching type regulator circuits Patent
[NASA-CASE-XMS-09352] c 09 N71-23316

Santa Barbara Research Center, Goleta, Calif.
Scanner
[NASA-CASE-GSC-12032-2] c 43 N82-13465

Santa Clara Univ., Calif.
Reversed cowl flap inlet thrust augmentor
[NASA-CASE-ARC-10754-1] c 07 N75-24736

System for measuring Reynolds in a turbulently flowing fluid
[NASA-CASE-ARC-10755-2] c 34 N76-27517

System for measuring three fluctuating velocity components in a turbulently flowing fluid
[NASA-CASE-ARC-10974-1] c 34 N77-27345

Noise suppressor for turbo fan jet engines
[NASA-CASE-ARC-10812-1] c 07 N83-33884

Schlehdahl (G. T.) Co., Northfield, Minn.
Rotating mandrel for assembly of inflatable devices Patent
[NASA-CASE-XLA-04143] c 15 N71-17687

Traveling sealer for contoured table Patent
[NASA-CASE-XLA-01494] c 15 N71-24164

Science Applications, Inc., La Jolla, Calif.
Violet process for producing flame resistant polyamides and products produced thereby
[NASA-CASE-MSC-16074-1] c 27 N80-26446

Scott Aviation Corp., Lancaster, N. Y.
Self-contained breathing apparatus
[NASA-CASE-MSC-14733-1] c 54 N76-24900

Serv-Air, Inc., Edwards, Calif.
Portable device for use in starting air-start-units for aircraft and having cable lead testing capability
[NASA-CASE-FRC-10113-1] c 33 N80-26599

Serv-Air, Inc., Houston, Tex.
Stator rotor tools
[NASA-CASE-MSC-16000-1] c 37 N78-24544

Sheldahl Co., Northfield, Minn.
Method and apparatus for preparing multiconductor cable with flat conductors
[NASA-CASE-MFS-10946-1] c 31 N79-21226

Edge coating of flat wires
[NASA-CASE-XMF-05757-1] c 31 N79-21227

Sikorsky Aircraft, Stratford, Conn.
Locking redundant link
[NASA-CASE-LAR-11900-1] c 37 N79-14382

Rotor blade with passive tuned tab
[NASA-CASE-ARC-11444-1] c 02 N83-25663

Singer-General Precision, Inc., Binghamton, N. Y.
CRT blanking and brightness control circuit
[NASA-CASE-KSC-10647-1] c 10 N72-31273

Smith Electronics, Inc., Cleveland, Ohio.
Phase detector assembly Patent
[NASA-CASE-XMF-00701] c 09 N70-40272

Smithsonian Astrophysical Observatory, Cambridge, Mass.
Atomic hydrogen maser with bulb temperature control to remove wall shift in maser output frequency
[NASA-CASE-HQN-10654-1] c 16 N73-13489

Tunable cavity resonator with ramp shaped supports
[NASA-CASE-HQN-10790-1] c 36 N74-11313

Solid State Radiations, Inc., Los Angeles, Calif.
Biomedical radiation detecting probe Patent
[NASA-CASE-XMS-01177] c 05 N71-19440

Southern Methodist Univ., Dallas, Tex.
Process for utilizing low-cost graphite substrates for polycrystalline solar cells
[NASA-CASE-GSC-12022-2] c 44 N78-24609

Southern Research Inst., Birmingham, Ala.
Infusible silazane polymer and process for producing same
[NASA-CASE-XMF-02526-1] c 27 N79-21190

Southwest Research Inst., San Antonio, Tex.
Thin film strain transducer
[NASA-CASE-WLP-10055-1] c 35 N82-26632

Space Sciences, Inc., Waltham, Mass.
Doppler shift system
[NASA-CASE-HQN-10740-1] c 72 N74-19310

Space Technology Labs., Inc., Redondo Beach, Calif.
AC logic flip-flop circuits Patent
[NASA-CASE-XGS-00823] c 10 N71-15910

Apparatus for field strength measurement of a space vehicle Patent
[NASA-CASE-XLE-00820] c 14 N71-16014

Hermetically sealed explosive release mechanism Patent
[NASA-CASE-XGS-00824] c 15 N71-16078

Apparatus for measuring electric field strength on the surface of a model vehicle Patent
[NASA-CASE-XLE-02038] c 09 N71-16086

Solar cell mounting Patent
[NASA-CASE-XNP-00826] c 03 N71-20895

Prestressed refractory structure Patent
[NASA-CASE-XNP-02888] c 18 N71-21068

Linear accelerator frequency control system Patent
[NASA-CASE-XGS-05441] c 10 N71-22962

Fluid lubricant system Patent
[NASA-CASE-XNP-03972] c 15 N71-23048

Compensating bandwidth switching transients in an amplifier circuit Patent
[NASA-CASE-XNP-01107] c 10 N71-28859

Spacelabs, Inc., Van Nuys, Calif.

Peak polarity selector Patent
[NASA-CASE-FRC-10010] c 10 N71-24862

Respiration monitor
[NASA-CASE-FRC-10012] c 14 N72-17329

Spaco, Inc., Huntsville, Ala.

Sight switch using an infrared source and sensor Patent
[NASA-CASE-XMF-03934] c 09 N71-22985

Method and device for detecting voids in low density material Patent
[NASA-CASE-MFS-20044] c 14 N71-28993

Spectra-Physics, Inc., Mountain View, Calif.

Optically pumped resonance magnetometer for determining vectorial components in a spatial coordinate system Patent
[NASA-CASE-XGS-04879] c 14 N71-20428

Spectrolab, Inc., Sylmar, Calif.

Ultraviolet filter
[NASA-CASE-XNP-02340] c 23 N69-24332

Central spar and module joint Patent
[NASA-CASE-XNP-02341] c 15 N71-21531

Apparatus for applying cover slides
[NASA-CASE-NPO-10575] c 03 N72-25019

Sperry Gyroscope Co., Great Neck, N. Y.

Automatic gain control system
[NASA-CASE-XMS-05307] c 09 N69-24330

Sperry Rand Corp., Blue Bell, Pa.

Flipflop interrogator and bi-polar current driver Patent
[NASA-CASE-XGS-03058] c 10 N71-19547

Sperry Rand Corp., Huntsville, Ala.

Optical tracking mount Patent
[NASA-CASE-MFS-14017] c 14 N71-26627

Collapsible antenna boom and transmission line Patent
[NASA-CASE-MFS-20068] c 07 N71-27191

Device for handling printed circuit cards Patent
[NASA-CASE-MFS-20453] c 15 N71-29133

Frequency division multiplex technique
[NASA-CASE-KSC-10521] c 07 N73-20176

Device for configuring multiple leads
[NASA-CASE-MFS-22133-1] c 33 N74-26977

System for enhancing tool-exchange capabilities of a portable wrench
[NASA-CASE-MFS-22283-1] c 37 N75-33395

Remotely operable articulated manipulator
[NASA-CASE-MFS-22707-1] c 37 N76-15457

Photovoltaic cell array
[NASA-CASE-MFS-22458-1] c 44 N77-10635

Notch filter
[NASA-CASE-MFS-23303-1] c 32 N77-18307

FM/CW radar system
[NASA-CASE-MFS-22234-1] c 32 N79-10264

Anastigmatic three-mirror telescope
[NASA-CASE-MFS-23675-1] c 89 N79-10969

Sperry Rand Corp., Phoenix, Ariz.

Isolation coupling arrangement for a torque measuring system
[NASA-CASE-XLA-04897] c 15 N72-22482

Stanford Research Inst., Menlo Park, Calif.

Automatic fault correction system for parallel signal channels Patent
[NASA-CASE-XNP-03263] c 09 N71-18843

Mercury capillary interrupter Patent
[NASA-CASE-XNP-02251] c 12 N71-20896

Magnetic power switch Patent
[NASA-CASE-NPO-10242] c 09 N71-24803

Procedure and apparatus for determination of water in nitrogen tetroxide
[NASA-CASE-NPO-10234] c 06 N72-17094

Stanford Univ., Calif.

Active RC networks
[NASA-CASE-ARC-10042-2] c 10 N72-11256

Multiloop RC active filter apparatus having low parameter sensitivity with low amplifier gain
[NASA-CASE-ARC-10192] c 09 N72-21245

Spacecraft attitude control method and apparatus
[NASA-CASE-HQN-10439] c 21 N72-21624

Laser system with an antiresonant optical ring
[NASA-CASE-HQN-10844-1] c 36 N75-19653

Traveling wave solid state amplifier utilizing a semiconductor with negative differential mobility
[NASA-CASE-HQN-10069] c 33 N75-27251

Reaction cured glass and glass coatings
[NASA-CASE-ARC-11051-1] c 27 N78-32260

Fibrous refractory composite insulation
[NASA-CASE-ARC-11169-1] c 24 N79-24062

Controller arm for a remotely related slave arm
[NASA-CASE-ARC-11052-1] c 37 N79-28551

High temperature glass thermal control structure and coating
[NASA-CASE-ARC-11164-1] c 44 N83-34448

Stanford Univ., Palo Alto, Calif.

RC networks and amplifiers employing the same
[NASA-CASE-XAC-05462-2] c 10 N72-17171

State Univ. of Iowa, Iowa City.

Mixture separation cell Patent
[NASA-CASE-XMS-02952] c 18 N71-20742

Sylvania Electronic Systems-Central, Williamsville, N. Y.

Acquisition and tracking system for optical radar
[NASA-CASE-MFS-20125] c 16 N72-13437

Altitude sensing device
[NASA-CASE-XMS-01994-1] c 14 N72-17326

T

Taag Designs, Inc., College Park, Md.

Recovery of radiation damaged solar cells through thermal annealing
[NASA-CASE-XGS-04047-2] c 03 N72-11062

Phototropic composition of matter
[NASA-CASE-XGS-03736] c 14 N72-22443

Taft Broadcasting Corp., Houston, Tex.

Television noise reduction device
[NASA-CASE-MSC-12607-1] c 32 N75-21485

Tamarack Scientific Co., Inc., Orange, Calif.

Detector absorptivity measuring method and apparatus
[NASA-CASE-LAR-10907-1] c 35 N76-29551

Technicolor, Inc., Paramus, N.J.

Automatic lightning detection and photographic system
[NASA-CASE-KSC-10728-1] c 14 N73-32319

Technidyne, Inc., West Chester, Pa.

Methods and apparatus employing vibratory energy for wrenching Patent
[NASA-CASE-MFS-20586] c 15 N71-17686

Technion - Israel Inst. of Tech., Haifa.

Modified face seal for positive film stiffness
[NASA-CASE-LEW-12989-1] c 37 N82-12442

Technion Research and Development Foundation Ltd., Haifa (Israel).

Self-stabilizing radial face seal
[NASA-CASE-LEW-12991-1] c 37 N81-24442

Technology, Inc., Houston, Tex.

Apparatus and method for processing Korotkov sounds
[NASA-CASE-MSC-13999-1] c 52 N74-26626

Technology, Inc., San Antonio, Tex.

Contourograph system for monitoring electrocardiograms
[NASA-CASE-MSC-13407-1] c 10 N72-20225

Modification of the physical properties of freeze-dried rice
[NASA-CASE-MSC-13540-1] c 05 N72-33096

Teledyne Brown Engineering, Huntsville, Ala.

Self-recording portable soil penetrometer
[NASA-CASE-MFS-20774] c 14 N73-19420

Temple Univ. Research Inst., Philadelphia, Pa.

Barium release system
[NASA-CASE-LAR-10670-1] c 06 N73-30097

Rocket having barium release system to create ion clouds in the upper atmosphere
[NASA-CASE-LAR-10670-2] c 15 N74-27360

Tennessee Univ., Knoxville

Automatic oscillator frequency control system
[NASA-CASE-GSC-12804-1] c 33 N83-35228

Texas A&M Univ., College Station.

Apparatus for use in examining the lattice of a semiconductor wafer by X-ray diffraction
[NASA-CASE-MFS-23315-1] c 76 N78-24950

Texas Instruments, Inc., Dallas.

Integrated circuit including field effect transistor and cermet resistor
[NASA-CASE-GSC-10835-1] c 09 N72-33205

Apparatus for measuring semiconductor device resistance
[NASA-CASE-NPO-14424-1] c 33 N80-32650

Texas Technological Univ., Lubbock.

Insulated electrocardiographic electrodes
[NASA-CASE-MSC-14339-1] c 05 N75-24716

Thiokol Chemical Corp., Bristol, Pa.

Casting propellant in rocket engine
[NASA-CASE-LAR-11995-1] c 28 N77-10213

Thiokol Corp., Brigham City, Utah.

Process for the leaching of AP from propellant
[NASA-CASE-NPO-14109-1] c 28 N80-23471

Recovery of aluminum from composite propellants
[NASA-CASE-NPO-14110-1] c 28 N81-15119

Thompson Ramo Wooldridge, Inc., Cleveland, Ohio.

Electromagnetic radiation energy arrangement
[NASA-CASE-WOO-00428-1] c 32 N79-19186

Tisdale (Henry F., Sr.), Treasure Island, Fla.

Velocity vector control system augmented with direct lift control
[NASA-CASE-LAR-12268-1] c 08 N81-24106

Trans-Sonics, Inc., Lexington, Mass.

Capacitive tank gaging apparatus being independent of liquid distribution
[NASA-CASE-MFS-21629] c 14 N72-22442

TransTechnology Corp., Canyon Country, Calif.

Slide release mechanism
[NASA-CASE-MSC-20080-1] c 37 N82-31688

Trident Engineering Associates, Inc., Annapolis, Md.

Spectroscope equipment using a slender cylindrical reflector as a substitute for a slit Patent
[NASA-CASE-XGS-08269] c 23 N71-26206

TRW Defense and Space Systems Group, Redondo Beach, Calif.

Heat reflecting field stop
[NASA-CASE-LAR-12443-1] c 74 N82-19030

Optical crystal temperature gauge with fiber optic connections
[NASA-CASE-MSC-18627-1] c 74 N82-30071

TRW Equipment Labs., Cleveland, Ohio.

Pulsed energy power system Patent
[NASA-CASE-MSC-13112] c 03 N71-11057

TRW, Inc., Redondo Beach, Calif.

Method of and device for determining the characteristics and flux distribution of micrometeorites
[NASA-CASE-NPO-12127-1] c 91 N74-13130

Reinforced structural plastics
[NASA-CASE-LEW-10199-1] c 27 N74-23125

Capillary flow weld-bonding
[NASA-CASE-LAR-11726-1] c 37 N76-27568

Ruler for making navigational computations
[NASA-CASE-XNP-01458] c 04 N78-17031

Particle parameter analyzing system
[NASA-CASE-XLE-06094] c 33 N78-17293

Temperature compensated current source
[NASA-CASE-MSC-11235] c 33 N78-17294

Shunt regulation electric power system
[NASA-CASE-GSC-10135] c 33 N78-17296

Heat pipe with dual working fluids
[NASA-CASE-ARC-10198] c 34 N78-17336

Multi-chamber controllable heat pipe
[NASA-CASE-ARC-10199] c 34 N78-17337

Microbalance
[NASA-CASE-MSC-11242] c 35 N78-17358

Gas ion laser construction for electrically isolating the pressure gauge thereof
[NASA-CASE-MFS-22597] c 36 N78-17366

Wobble gear drive mechanism
[NASA-CASE-WOO-00625] c 37 N78-17385

Apparatus for handling micron size range particulate material
[NASA-CASE-NPO-10151] c 37 N78-17386

Solar cell module assembly jig
[NASA-CASE-XGS-00829-1] c 44 N79-19447

Apparatus for fiber optic liquid level sensing
[NASA-CASE-MSC-18674-1] c 74 N81-24907

Low thrust monopropellant engine
[NASA-CASE-GSC-12194-2] c 20 N82-18314

Moisture content and gas sampling device
[NASA-CASE-MSC-18866-1] c 35 N82-26634

TRW Systems, Redondo Beach, Calif.

Electromechanical actuator
[NASA-CASE-XNP-05975] c 15 N69-23185

Control valve and co-axial variable injector Patent
[NASA-CASE-XNP-09702] c 15 N71-17654

Multiple orifice throttle valve Patent
[NASA-CASE-XNP-09698] c 15 N71-18580

Semitoroidal diaphragm cavitating valve Patent
[NASA-CASE-XNP-09704] c 12 N71-18615

Electrohydrodynamic control valve Patent
[NASA-CASE-NPO-10416] c 12 N71-27332

TRW Systems Group, Redondo Beach, Calif.

Ablative resin Patent
[NASA-CASE-XLE-05913] c 33 N71-14032

Passive caging mechanism Patent
[NASA-CASE-GSC-10306-1] c 15 N71-24694

Multiple varactor frequency doubler Patent
[NASA-CASE-XMF-04958-1] c 10 N71-26414

Booster tank system Patent
[NASA-CASE-MSC-12390] c 27 N71-29155

Resonant infrasonic gauging apparatus
[NASA-CASE-MSC-11847-1] c 14 N72-11363

Wide range analog-to-digital converter with a variable gain amplifier
[NASA-CASE-NPO-11018] c 08 N72-21200

System for preconditioning a combustible vapor
[NASA-CASE-NPO-12072] c 28 N72-22772

Failsafe multiple transformer circuit configuration
[NASA-CASE-NPO-11078] c 09 N72-25262

Digital control and information system
[NASA-CASE-NPO-11016] c 08 N72-31226

Ultrasonically bonded value assembly
[NASA-CASE-NPO-13360-1] c 37 N75-25185

- Cosmic dust analyzer
[NASA-CASE-MSC-13802-2] c 35 N76-15431
- Weld-bonded titanium structures
[NASA-CASE-LAR-11549-1] c 37 N77-11397
- Flat-plate heat pipe
[NASA-CASE-GSC-11998-1] c 34 N77-32413
- Spatial filter for Q-switched lasers
[NASA-CASE-LEW-12164-1] c 36 N77-32478
- Digital numerically controlled oscillator
[NASA-CASE-MSC-16747-1] c 33 N81-17349
- Self-calibrating threshold detector
[NASA-CASE-MSC-16370-1] c 35 N81-19427
- Tyco Labs., Inc., Waltham, Mass.**
- Bonding thermoelectric elements to nonmagnetic refractory metal electrodes
[NASA-CASE-XGS-04554] c 15 N69-39786
- Segmenting lead telluride-silicon germanium thermoelements Patent
[NASA-CASE-XGS-05718] c 26 N71-16037
- Electrocatalyst for oxygen reduction
[NASA-CASE-HQN-10537-1] c 06 N72-10138

U

- Ultrasystems, Inc., Irvine, Calif.**
- Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MSC-14903-1] c 27 N78-32256
- Compound oxidized styrylphosphine
[NASA-CASE-MSC-14903-2] c 27 N80-10358
- Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MSC-14903-3] c 27 N80-24438
- Unified Science Associates, Inc., Pasadena, Calif.**
- Method of producing crystalline materials
[NASA-CASE-NPO-10440] c 15 N72-21466
- Union Carbide Corp., New York.**
- Laser apparatus for removing material from rotating objects Patent
[NASA-CASE-MFS-11279] c 16 N71-20400
- United Aircraft Corp., East Hartford, Conn.**
- Supporting and protecting device Patent
[NASA-CASE-XMF-00580] c 11 N70-35383
- Spherical tank gauge Patent
[NASA-CASE-XMS-06236] c 14 N71-21007
- Omnidirectional joint Patent
[NASA-CASE-XMS-09635] c 05 N71-24623
- Foreshortened convolute section for a pressurized suit Patent
[NASA-CASE-XMS-09637-1] c 05 N71-24730
- Tertiary flow injection thrust vectoring system Patent
[NASA-CASE-MFS-20831] c 28 N71-29153
- Restraint torso for a pressurized suit
[NASA-CASE-MSC-12397-1] c 05 N72-25119
- Transformer regulated self-stabilizing chopper
[NASA-CASE-XGS-09186] c 33 N78-17295
- Restraining mechanism
[NASA-CASE-MSC-13054] c 54 N78-17677
- Helmet latching and attaching ring
[NASA-CASE-XMS-04670] c 54 N78-17678
- Protective garment ventilation system
[NASA-CASE-XMS-04928] c 54 N78-17679
- Helmet feedport
[NASA-CASE-XMS-09653] c 54 N78-17680
- Emergency space-suit helmet
[NASA-CASE-MSC-10954-1] c 54 N78-18761
- Flow diverter valve and flow diversion method
[NASA-CASE-HQN-00573-1] c 37 N79-33468
- Thermal garment
[NASA-CASE-XMS-03694-1] c 54 N82-29002
- Glass compositions with a high modulus of elasticity
[NASA-CASE-HQN-10274-1] c 27 N82-29451
- High modulus invert analog glass compositions containing beryllia
[NASA-CASE-HQN-10931-2] c 27 N82-29452
- Non-toxic invert analog glass compositions of high modulus
[NASA-CASE-HQN-10328-2] c 27 N82-29454
- United Aircraft Corp., Stratford, Conn.**
- Bonded joint and method
[NASA-CASE-LAR-10900-1] c 37 N74-23064
- Compensating linkage for main rotor control
[NASA-CASE-LAR-11797-1] c 05 N81-19087
- United Aircraft Corp., Sunnyvale, Calif.**
- Method and tool for machining a transverse slot about a bore
[NASA-CASE-LAR-11855-1] c 37 N81-14319
- United Aircraft Corp., West Palm Beach, Fla.**
- Inherent redundancy electric heater
[NASA-CASE-MFS-21462-1] c 33 N74-14935
- United Aircraft Corp., Windsor Locks, Conn.**
- Water separating system Patent
[NASA-CASE-XMS-13052] c 14 N71-20427
- Method of forming a root cord restrained convolute section
[NASA-CASE-MSC-12398] c 05 N72-20098

- United States Radium Corp., Parsippany, N. J.**
- Method for applying photographic resists to otherwise incompatible substrates
[NASA-CASE-MSC-18107-1] c 27 N81-25209
- United Technologies Corp., East Hartford, Conn.**
- Method of making a rocket nozzle
[NASA-CASE-XMF-06884-1] c 20 N79-21123
- Fluid thrust control system
[NASA-CASE-XMF-05964-1] c 20 N79-21124
- Rocket injector head
[NASA-CASE-XMF-04592-1] c 20 N79-21125
- Retractable environmental seal
[NASA-CASE-MFS-23646-1] c 37 N79-22474
- Portable breathing system
[NASA-CASE-MSC-16182-1] c 54 N80-10799
- High modulus rare earth and beryllium containing silicate glass compositions
[NASA-CASE-HQN-10595-1] c 27 N82-29455
- Joining lead wires to thin platinum alloy films
[NASA-CASE-LEW-13934-1] c 35 N83-35338
- United Technologies Corp., Windsor Locks, Conn.**
- Cam-operated pitch-change apparatus
[NASA-CASE-LEW-13050-1] c 07 N79-14095
- United Technology Center, Sunnyvale, Calif.**
- Solid propellant liner Patent
[NASA-CASE-XNP-09744] c 27 N71-16392

V

- Vanderbilt Univ., Nashville, Tenn.**
- Solar driven liquid metal MHD power generator
[NASA-CASE-LAR-12495-1] c 44 N83-28573
- Vapor Corp., Chicago, Ill.**
- Method and apparatus for controllably heating fluid Patent
[NASA-CASE-XMF-04237] c 33 N71-16278
- Varian Associates, Palo Alto, Calif.**
- High power-high voltage waterload Patent
[NASA-CASE-XNP-05381] c 09 N71-20842
- III-V photocathode with nitrogen doping for increased quantum efficiency
[NASA-CASE-NPO-12134-1] c 33 N76-31409
- Virginia Polytechnic Inst. and State Univ., Blacksburg.**
- Logarithmic circuit with wide dynamic range
[NASA-CASE-GSC-12145-1] c 33 N78-32339
- Ultrasonic transducer with Gaussian radial pressure distribution
[NASA-CASE-LAR-12967-1] c 35 N83-12397
- Polyphenylquinoxalines containing pendant phenylethynyl and ethynyl groups
[NASA-CASE-LAR-12838-1] c 27 N83-34040
- Virginia Univ., Charlottesville.**
- Depositing semiconductor films utilizing a thermal gradient
[NASA-CASE-XKS-04614] c 15 N69-21460
- Active microwave inses and windows
[NASA-CASE-LAR-10513-1] c 07 N72-25170
- Thin film microwave ins
[NASA-CASE-LAR-10511-1] c 09 N72-29172
- Apparatus for measuring a sorbate dispersed in a fluid stream
[NASA-CASE-ARC-10896-1] c 35 N78-19465
- Vivonex Corp., Mountain View, Calif.**
- Amino acid analysis
[NASA-CASE-NPO-12130-1] c 25 N75-14844
- Vought Corp., Hampton, Va.**
- Mechanical end joint system for structural column elements
[NASA-CASE-LAR-12482-1] c 37 N82-32732

W

- Weber Aircraft Corp., Burbank, Calif.**
- Articulated multiple couch assembly Patent
[NASA-CASE-MSC-11253] c 05 N71-12343
- Device for separating occupant from an ejection seat Patent
[NASA-CASE-XMS-04625] c 05 N71-20718
- Collapsible Apollo couch
[NASA-CASE-MSC-13140] c 05 N72-11085
- Westinghouse Electric Corp., Baltimore, Md.**
- Broadband choke for antenna structure
[NASA-CASE-XMS-05303] c 07 N69-27462
- Electronic background suppression method and apparatus for a field scanning sensor
[NASA-CASE-XGS-05211] c 07 N69-39980
- Solid-state current transformer
[NASA-CASE-MFS-22560-1] c 33 N77-14335
- Time delay and integration detectors using charge transfer devices
[NASA-CASE-GSC-12324-1] c 33 N81-33403
- Westinghouse Electric Corp., Huntsville, Ala.**
- Solid state television camera system Patent
[NASA-CASE-XMF-06092] c 07 N71-24612

- Phototransistor
[NASA-CASE-MFS-20407] c 09 N73-19235
- Westinghouse Electric Corp., Lima, Ohio.**
- Transistor drive regulator Patent
[NASA-CASE-LEW-10233] c 10 N71-27126
- Westinghouse Electric Corp., Pittsburgh, Pa.**
- Linear sawtooth voltage-wave generator employing transistor timing circuit having capacitor-zener diode combination feedback Patent
[NASA-CASE-XMS-01315] c 09 N70-41675
- Thermal conductive connection and method of making same Patent
[NASA-CASE-XMS-02087] c 09 N70-41717
- Gas cooled high temperature thermocouple Patent
[NASA-CASE-XLE-09475-1] c 33 N71-15568
- High resolution developing of photosensitive resists Patent
[NASA-CASE-XGS-04993] c 14 N71-17574
- Regulated power supply Patent
[NASA-CASE-XMS-01991] c 09 N71-21449
- Pulse modulator providing fast rise and fall times Patent
[NASA-CASE-XMS-04919] c 09 N71-23270
- Extended area semiconductor radiation detectors and a novel readout arrangement Patent
[NASA-CASE-XGS-03230] c 14 N71-23401
- Frequency shift keying apparatus Patent
[NASA-CASE-XGS-01537] c 07 N71-23405
- Phase locked phase modulator including a voltage controlled oscillator Patent
[NASA-CASE-XNP-05382] c 10 N71-23544
- Bearing and gimbal lock mechanism and spiral flex lead module Patent
[NASA-CASE-GSC-10556-1] c 31 N71-26537
- Multiple slope sweep generator Patent
[NASA-CASE-XMS-03542] c 09 N71-28926
- Self-adjusting multisegment, deployable, natural circulation radiator Patent
[NASA-CASE-XHQ-03673] c 33 N71-29046
- Thermally cascaded thermoelectric generator
[NASA-CASE-NPO-10753] c 03 N72-26031
- Phototransistor imaging system
[NASA-CASE-MFS-20809] c 23 N73-13660
- Demodulator for carrier transducers
[NASA-CASE-NUC-10107-1] c 33 N74-17330
- Heat transfer device
[NASA-CASE-NPO-11120-1] c 34 N74-18552
- Amplitude steered array
[NASA-CASE-GSC-11446-1] c 33 N74-20860
- Glass-to-metal seals comprising relatively high expansion metals
[NASA-CASE-LEW-10698-1] c 37 N74-21063
- Millimeter wave pumped parametric amplifier
[NASA-CASE-GSC-11617-1] c 33 N74-32660
- Method of forming a wick for a heat pipe
[NASA-CASE-NPO-13391-1] c 34 N76-27515
- Magnifying image intensifier
[NASA-CASE-GSC-12010-1] c 74 N78-18905
- Westinghouse Electric Corp., Trafford, Pa.**
- Sodium storage and injection system
[NASA-CASE-NPO-14384-1] c 37 N80-10494
- Method of producing silicon
[NASA-CASE-NPO-14382-1] c 31 N80-18231
- Weston Instruments, Inc., College Park, Md.**
- Electronically resettable fuse Patent
[NASA-CASE-XGS-11177] c 09 N71-27001
- Whirlpool Corp., St. Joseph, Mich.**
- Relief container
[NASA-CASE-XMS-06761] c 05 N69-23192
- Fluid sample collector Patent
[NASA-CASE-XMS-06767-1] c 14 N71-20435
- Whittaker Corp., Los Angeles, Calif.**
- Polyurethanes of fluorine containing polycarbonates
[NASA-CASE-MFS-10512] c 06 N73-30099
- Polyurethanes from fluoroalkyl propyleneglycol polyethers
[NASA-CASE-MFS-10506] c 06 N73-30100
- Fluorohydroxy ethers
[NASA-CASE-MFS-10507] c 06 N73-30101
- Highly fluorinated polymers
[NASA-CASE-MFS-11492] c 06 N73-30102
- Fluorine containing polyurethane
[NASA-CASE-MFS-10509] c 06 N73-30103
- Fluorine-containing polyformals
[NASA-CASE-XMF-06900-1] c 27 N79-21191
- Whittaker Corp., San Diego, Calif.**
- Reinforced polyquinoxaline gasket and method of preparing the same
[NASA-CASE-MFS-21364-1] c 37 N74-18126
- Polymers foams from cross-linkable poly-n-arylenebenzimidazoles
[NASA-CASE-ARC-11008-1] c 27 N78-31232
- Wisconsin Univ., Madison.**
- Coaxial anode wire for gas radiation counters
[NASA-CASE-GSC-11492-1] c 35 N74-26949

Youngstown State Univ., Ohio.

CORPORATE SOURCE

Method and system for in vivo measurement of bone
tissue using a two level energy source
[NASA-CASE-MSC-14276-1] c 52 N77-14737

Y

Youngstown State Univ., Ohio.

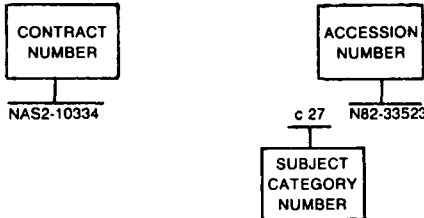
Instrumentation for measurement of aircraft noise and
sonic boom
[NASA-CASE-LAR-11173-1] c 35 N75-19614

CONTRACT NUMBER INDEX

NASA PATENT ABSTRACTS BIBLIOGRAPHY Section 2

JANUARY 1984

Typical Contract Number Index Listing



Listings in this index are arranged alphanumerically by contract number. Under each contract number, the accession numbers denoting documents that have been produced as a result of research done under that contract are arranged in ascending accession number order. The subject category number indicates the category in Section 1 (Abstracts) in which the citation is located.

JPL-950596	c 15	N69-23185
JPL-950850	c 09	N69-24329
JPL-951531	c 09	N69-21926
NASW-1233	c 06	N72-10138
NAS1-2593	c 11	N69-24321
NAS12-2135	c 09	N72-20206
NAS12-514	c 14	N71-34389
NAS2-10334	c 27	N82-33523
NAS3-2510	c 10	N69-39888
NAS3-3232	c 14	N69-24331
NAS4-1403	c 14	N70-35587
NAS5-10260	c 06	N72-21105
NAS5-519	c 23	N69-24332
NAS7-100	c 15	N69-23185
	c 15	N69-23190
	c 15	N69-24319
	c 09	N69-24329
	c 09	N69-24333
	c 06	N69-31244
	c 07	N69-39736
	c 18	N69-39895
	c 09	N69-39929
	c 15	N69-39935
	c 06	N69-39936
	c 14	N69-39937
	c 03	N70-34646
	c 08	N70-34675
	c 14	N70-34697
	c 15	N70-34699
	c 03	N71-34044
	c 07	N72-20154
	c 09	N73-12214
	c 15	N73-12495
	c 37	N76-16446
	c 32	N78-18266
	c 35	N78-18395
	c 31	N78-24387
	c 33	N79-17134
	c 32	N79-19195
	c 54	N79-20746
	c 37	N79-23431
	c 33	N79-25314
	c 27	N80-16163
	c 32	N80-16261
	c 35	N80-18364
	c 35	N80-21723
	c 37	N80-26660
	c 47	N80-26992
	c 32	N80-32607
	c 33	N81-15194
	c 36	N81-15350

NAS7-150
NAS7-603

NAS7-746
NAS8-11561
NAS9-10963
NAS9-14796
NGL-09-011-060

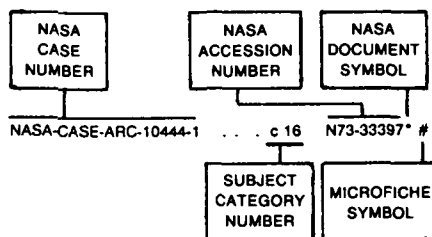
c 33	N81-16386
c 31	N81-19344
c 37	N81-19457
c 74	N81-19899
c 76	N81-19944
c 04	N81-22036
c 74	N81-22894
c 34	N81-24384
c 35	N81-24414
c 36	N81-24425
c 36	N81-24426
c 52	N81-26697
c 44	N81-27599
c 25	N81-29178
c 33	N81-29344
c 51	N81-29728
c 28	N81-33306
c 35	N81-33449
c 18	N82-10106
c 32	N82-10286
c 44	N82-10496
c 35	N82-11436
c 37	N82-11469
c 60	N82-11785
c 71	N82-11861
c 28	N82-12240
c 28	N82-12241
c 32	N82-12298
c 33	N82-12345
c 33	N82-12346
c 71	N82-12889
c 73	N82-12916
c 37	N82-22497
c 76	N82-23031
c 33	N82-23396
c 75	N82-24079
c 33	N82-24426
c 35	N82-24475
c 72	N82-24953
c 76	N82-24993
c 91	N82-25042
c 31	N82-25401
c 33	N82-25440
c 35	N82-25484
c 76	N82-25995
c 25	N82-26397
c 27	N82-26461
c 28	N82-26481
c 32	N82-26523
c 33	N82-26575
c 35	N82-26630
c 35	N82-26633
c 35	N82-26636
c 36	N82-26652
c 44	N82-26779
c 46	N82-26890
c 71	N82-27086
c 71	N82-27087
c 32	N82-28502
c 36	N82-28618
c 36	N82-28619
c 37	N82-28642
c 44	N82-28784
c 44	N82-28785
c 71	N82-29112
c 44	N82-29714
c 31	N82-33567
c 32	N82-33593
c 35	N82-33681
c 03	N69-21337
c 06	N70-11251
c 06	N70-11252
c 06	N72-27151
c 09	N69-39734
c 05	N72-15098
c 52	N78-27750
c 04	N81-26085

CONTRACT

NASA PATENT ABSTRACTS BIBLIOGRAPHY Section 2

JANUARY 1984

Typical Number Index Listing



Listings in this index are arranged alphabetically by "patent" number. The subject category number indicates the category in Section 1 (Abstracts) in which the citation is located. The NASA accession number denotes the number by which the citation is identified within the subject category. An asterisk (*) indicates that the item is a NASA report. A pound sign (#) indicates that the item is available on microfiche.

NASA-CASE-ARC-10003-1 c 09 N71-25866*
 NASA-CASE-ARC-10009-1 c 15 N71-17822*
 NASA-CASE-ARC-10017-1 c 14 N72-29464* #
 NASA-CASE-ARC-10020 c 10 N72-17172* #
 NASA-CASE-ARC-10030 c 09 N71-12521* #
 NASA-CASE-ARC-10042-2 c 10 N72-11256*
 NASA-CASE-ARC-10043-1 c 05 N71-11193* #
 NASA-CASE-ARC-10050 c 03 N71-33409*
 NASA-CASE-ARC-10097-2 c 07 N73-25160* #
 NASA-CASE-ARC-10098-1 c 06 N71-24739*
 NASA-CASE-ARC-10099-1 c 18 N71-15469*
 NASA-CASE-ARC-10100-1 c 05 N71-24738*
 NASA-CASE-ARC-10101-1 c 09 N71-33109*
 NASA-CASE-ARC-10105 c 09 N72-17153* #
 NASA-CASE-ARC-10106-1 c 28 N72-22769* #
 NASA-CASE-ARC-10131-1 c 15 N71-27754*
 NASA-CASE-ARC-10132-1 c 09 N71-24597*
 NASA-CASE-ARC-10134 c 30 N72-17873* #
 NASA-CASE-ARC-10136-1 c 09 N72-22202* #
 NASA-CASE-ARC-10137-1 c 09 N71-28468*
 NASA-CASE-ARC-10138-1 c 14 N72-24477* #
 NASA-CASE-ARC-10140-1 c 15 N71-17653*
 NASA-CASE-ARC-10153 c 05 N71-28619*
 NASA-CASE-ARC-10154-1 c 14 N72-22440* #
 NASA-CASE-ARC-10160-1 c 23 N72-27728* #
 NASA-CASE-ARC-10176-1 c 15 N72-21464*
 NASA-CASE-ARC-10178-1 c 09 N72-17152* #
 NASA-CASE-ARC-10179-1 c 21 N72-22619* #
 NASA-CASE-ARC-10180-1 c 28 N72-20767* #
 NASA-CASE-ARC-10180-1 c 27 N74-12814* #
 NASA-CASE-ARC-10192 c 09 N72-21245* #
 NASA-CASE-ARC-10194-1 c 23 N73-20741* #
 NASA-CASE-ARC-10196-1 c 18 N73-13562* #
 NASA-CASE-ARC-10197-1 c 33 N74-17929* #
 NASA-CASE-ARC-10198 c 34 N78-17336* #
 NASA-CASE-ARC-10199 c 34 N78-17337* #
 NASA-CASE-ARC-10263-1 c 14 N72-22438* #
 NASA-CASE-ARC-10264-1 c 09 N73-20231* #
 NASA-CASE-ARC-10265-1 c 10 N72-28240* #
 NASA-CASE-ARC-10266-1 c 33 N75-29318* #
 NASA-CASE-ARC-10269-1 c 10 N72-16172* #
 NASA-CASE-ARC-10275-1 c 05 N72-22092* #
 NASA-CASE-ARC-10278-1 c 14 N73-25463* #
 NASA-CASE-ARC-10302-1 c 51 N74-15778* #
 NASA-CASE-ARC-10304-1 c 18 N73-26572* #
 NASA-CASE-ARC-10304-2 c 27 N74-27037* #
 NASA-CASE-ARC-10308-1 c 06 N72-31141* #
 NASA-CASE-ARC-10322-1 c 35 N76-18403* #
 NASA-CASE-ARC-10325 c 06 N72-25147* #
 NASA-CASE-ARC-10329-1 c 05 N73-26072* #
 NASA-CASE-ARC-10330-1 c 09 N73-32112* #
 NASA-CASE-ARC-10344-2 c 35 N75-26334* #
 NASA-CASE-ARC-10345-1 c 15 N73-12488* #
 NASA-CASE-ARC-10348-1 c 33 N75-19518* #
 NASA-CASE-ARC-10362-1 c 14 N73-32326* #

NASA-CASE-ARC-10364-2 c 33 N75-25041* #
 NASA-CASE-ARC-10364-3 c 33 N75-19520* #
 NASA-CASE-ARC-10370-1 c 36 N75-31426* #
 NASA-CASE-ARC-10441-1 c 35 N74-15126* #
 NASA-CASE-ARC-10442-1 c 35 N74-15093* #
 NASA-CASE-ARC-10443-1 c 14 N73-20477* #
 NASA-CASE-ARC-10444-1 c 16 N73-33397* #
 NASA-CASE-ARC-10445-1 c 31 N76-31365* #
 NASA-CASE-ARC-10447-1 c 52 N74-22771* #
 NASA-CASE-ARC-10448-2 c 74 N75-12732* #
 NASA-CASE-ARC-10448-3 c 35 N77-14408* #
 NASA-CASE-ARC-10456-1 c 05 N75-12930* #
 NASA-CASE-ARC-10461-1 c 44 N74-33379* #
 NASA-CASE-ARC-10462-1 c 37 N74-27901* #
 NASA-CASE-ARC-10463-1 c 09 N73-32111* #
 NASA-CASE-ARC-10464-1 c 27 N74-12812* #
 NASA-CASE-ARC-10466-1 c 60 N75-13539* #
 NASA-CASE-ARC-10467-1 c 09 N73-14214* #
 NASA-CASE-ARC-10468-1 c 14 N73-33361* #
 NASA-CASE-ARC-10469-1 c 25 N75-12086* #
 NASA-CASE-ARC-10470-1 c 02 N73-26005* #
 NASA-CASE-ARC-10470-3 c 05 N76-29217* #
 NASA-CASE-ARC-10516-1 c 70 N74-21300* #
 NASA-CASE-ARC-10519-2 c 05 N75-25915* #
 NASA-CASE-ARC-10583-1 c 52 N76-29894* #
 NASA-CASE-ARC-10592-1 c 27 N74-21156* #
 NASA-CASE-ARC-10592-2 c 27 N76-32315* #
 NASA-CASE-ARC-10593-1 c 33 N74-27682* #
 NASA-CASE-ARC-10596-1 c 33 N74-21851* #
 NASA-CASE-ARC-10597-1 c 52 N74-20726* #
 NASA-CASE-ARC-10598-1 c 75 N74-30156* #
 NASA-CASE-ARC-10599-1 c 05 N73-26071* #
 NASA-CASE-ARC-10631-1 c 74 N76-20958* #
 NASA-CASE-ARC-10633-1 c 25 N74-26947* #
 NASA-CASE-ARC-10637-1 c 35 N75-16783* #
 NASA-CASE-ARC-10639-1 c 35 N78-13400* #
 NASA-CASE-ARC-10642-1 c 36 N76-14447* #
 NASA-CASE-ARC-10643-1 c 25 N75-12087* #
 NASA-CASE-ARC-10710-1 c 09 N75-12969* #
 NASA-CASE-ARC-10711-2 c 33 N76-21390* #
 NASA-CASE-ARC-10712-1 c 07 N74-33218* #
 NASA-CASE-ARC-10714-1 c 27 N76-15310* #
 NASA-CASE-ARC-10716-1 c 35 N77-20399* #
 NASA-CASE-ARC-10721-1 c 27 N76-22376* #
 NASA-CASE-ARC-10722-1 c 51 N75-25503* #
 NASA-CASE-ARC-10753-1 c 54 N75-27760* #
 NASA-CASE-ARC-10754-1 c 07 N75-24736* #
 NASA-CASE-ARC-10755-2 c 34 N76-27517* #
 NASA-CASE-ARC-10756-1 c 54 N77-32721* #
 NASA-CASE-ARC-10760-1 c 25 N76-22323* #
 NASA-CASE-ARC-10761-1 c 07 N77-18154* #
 NASA-CASE-ARC-10802-1 c 35 N75-30502* #
 NASA-CASE-ARC-10806-1 c 35 N75-29381* #
 NASA-CASE-ARC-10806 c 06 N74-27872* #
 NASA-CASE-ARC-10807-1 c 05 N77-17029* #
 NASA-CASE-ARC-10808-1 c 09 N76-24280* #
 NASA-CASE-ARC-10810-1 c 33 N76-19339* #
 NASA-CASE-ARC-10812-1 c 07 N76-18131* #
 NASA-CASE-ARC-10813-1 c 27 N76-16230* #
 NASA-CASE-ARC-10814-2 c 07 N80-26298* #
 NASA-CASE-ARC-10816-1 c 35 N76-24525* #
 NASA-CASE-ARC-10820-1 c 35 N78-19466* #
 NASA-CASE-ARC-10849-1 c 17 N76-29347* #
 NASA-CASE-ARC-10855-1 c 52 N77-10780* #
 NASA-CASE-ARC-10892-2 c 27 N79-14214* #
 NASA-CASE-ARC-10896-1 c 35 N78-19465* #
 NASA-CASE-ARC-10897-1 c 33 N77-31404* #
 NASA-CASE-ARC-10898-1 c 35 N77-18417* #
 NASA-CASE-ARC-10899-1 c 60 N77-19760* #
 NASA-CASE-ARC-10900-1 c 35 N77-24454* #
 NASA-CASE-ARC-10903-1 c 09 N78-18083* #
 NASA-CASE-ARC-10905-1 c 37 N77-13418* #
 NASA-CASE-ARC-10907-1 c 37 N75-32465* #
 NASA-CASE-ARC-10911-1 c 35 N77-20400* #
 NASA-CASE-ARC-10912-1 c 34 N77-19353* #
 NASA-CASE-ARC-10913-1 c 24 N78-15180* #
 NASA-CASE-ARC-10915-2 c 27 N79-18052* #
 NASA-CASE-ARC-10916-1 c 52 N78-10686* #
 NASA-CASE-ARC-10917-1 c 51 N78-27733* #
 NASA-CASE-ARC-10932-1 c 74 N76-22993* #
 NASA-CASE-ARC-10970-1 c 36 N77-25501* #
 NASA-CASE-ARC-10974-1 c 34 N77-27345* #
 NASA-CASE-ARC-10975-1 c 33 N79-15245* #

N75-25041* #
 N75-19520* #
 N75-31426* #
 N74-15126* #
 N74-15093* #
 N73-20477* #
 N73-33397* #
 N76-31365* #
 N74-22771* #
 N75-12732* #
 N77-14408* #
 N75-12930* #
 N74-33379* #
 N74-27901* #
 N73-32111* #
 N74-12812* #
 N75-13539* #
 N73-14214* #
 N73-33361* #
 N75-12086* #
 N73-26005* #
 N76-29217* #
 N74-21300* #
 N75-25915* #
 N76-29894* #
 N74-21156* #
 N76-32315* #
 N74-27682* #
 N74-21851* #
 N74-20726* #
 N74-30156* #
 N73-26071* #
 N76-20958* #
 N74-26947* #
 N75-16783* #
 N78-13400* #
 N76-14447* #
 N75-12087* #
 N75-12969* #
 N76-21390* #
 N74-33218* #
 N76-15310* #
 N77-20399* #
 N76-22376* #
 N75-25503* #
 N75-27760* #
 N75-24736* #
 N76-27517* #
 N77-32721* #
 N76-22323* #
 N77-18154* #
 N75-30502* #
 N75-29381* #
 N74-27872* #
 N77-17029* #
 N76-24280* #
 N76-19339* #
 N76-18131* #
 N76-16230* #
 N80-26298* #
 N76-24525* #
 N78-19466* #
 N76-29347* #
 N77-10780* #
 N79-14214* #
 N78-19465* #
 N77-31404* #
 N77-18417* #
 N77-19760* #
 N77-24454* #
 N78-18083* #
 N77-13418* #
 N75-32465* #
 N77-20400* #
 N77-19353* #
 N78-15180* #
 N79-18052* #
 N78-10686* #
 N78-27733* #
 N76-22993* #
 N77-25501* #
 N77-27345* #
 N79-15245* #

NASA-CASE-ARC-10976-1
 NASA-CASE-ARC-10977-1
 NASA-CASE-ARC-10979-1
 NASA-CASE-ARC-10980-1
 NASA-CASE-ARC-10981-1
 NASA-CASE-ARC-10984-1
 NASA-CASE-ARC-10985-1
 NASA-CASE-ARC-10990-1
 NASA-CASE-ARC-10991-1
 NASA-CASE-ARC-10992-1
 NASA-CASE-ARC-10994-1
 NASA-CASE-ARC-10994-2
 NASA-CASE-ARC-11007-1
 NASA-CASE-ARC-11008-1
 NASA-CASE-ARC-11031-1
 NASA-CASE-ARC-11035-1
 NASA-CASE-ARC-11036-1
 NASA-CASE-ARC-11039-1
 NASA-CASE-ARC-11040-1
 NASA-CASE-ARC-11040-2
 NASA-CASE-ARC-11042-1
 NASA-CASE-ARC-11043-1
 NASA-CASE-ARC-11045-1
 NASA-CASE-ARC-11046-1
 NASA-CASE-ARC-11051-1
 NASA-CASE-ARC-11052-1
 NASA-CASE-ARC-11053-1
 NASA-CASE-ARC-11057-1
 NASA-CASE-ARC-11058-1
 NASA-CASE-ARC-11058-2
 NASA-CASE-ARC-11059-1
 NASA-CASE-ARC-11060-1
 NASA-CASE-ARC-11097-1
 NASA-CASE-ARC-11100-1
 NASA-CASE-ARC-11101-1
 NASA-CASE-ARC-11104-1
 NASA-CASE-ARC-11106-1
 NASA-CASE-ARC-11107-1
 NASA-CASE-ARC-11110-1
 NASA-CASE-ARC-11114-1
 NASA-CASE-ARC-11116-1
 NASA-CASE-ARC-11117-1
 NASA-CASE-ARC-11118-1
 NASA-CASE-ARC-11118-2
 NASA-CASE-ARC-11120-1
 NASA-CASE-ARC-11121-1
 NASA-CASE-ARC-11154-1
 NASA-CASE-ARC-11157-1
 NASA-CASE-ARC-11158-1
 NASA-CASE-ARC-11164-1
 NASA-CASE-ARC-11167-1
 NASA-CASE-ARC-11169-1
 NASA-CASE-ARC-11170-1
 NASA-CASE-ARC-11174-1
 NASA-CASE-ARC-11176-1
 NASA-CASE-ARC-11176-2
 NASA-CASE-ARC-11241-1
 NASA-CASE-ARC-11243-2
 NASA-CASE-ARC-11244-1
 NASA-CASE-ARC-11245-1
 NASA-CASE-ARC-11246-1
 NASA-CASE-ARC-11248-1
 NASA-CASE-ARC-11251-1
 NASA-CASE-ARC-11252-1
 NASA-CASE-ARC-11253-1
 NASA-CASE-ARC-11253-2
 NASA-CASE-ARC-11253-3
 NASA-CASE-ARC-11256-1
 NASA-CASE-ARC-11257-1
 NASA-CASE-ARC-11258-1
 NASA-CASE-ARC-11261-1
 NASA-CASE-ARC-11263-1
 NASA-CASE-ARC-11264-1
 NASA-CASE-ARC-11267-1
 NASA-CASE-ARC-11267-2
 NASA-CASE-ARC-11310-1
 NASA-CASE-ARC-11311-1
 NASA-CASE-ARC-11312-1
 NASA-CASE-ARC-11314-1
 NASA-CASE-ARC-11317-1
 NASA-CASE-ARC-11321-1
 NASA-CASE-ARC-11322-1
 NASA-CASE-ARC-11325-1

N77-22950* #
 N80-32392* #
 N77-19076* #
 N80-23452* #
 N78-27425* #
 N78-32326* #
 N79-10724* #
 N82-10959* #
 N78-14104* #
 N78-32229* #
 N76-33835* #
 N79-26771* #
 N77-14736* #
 N78-31232* #
 N81-29763* #
 N79-18580* #
 N78-32395* #
 N78-32395* #
 N79-16915* #
 N78-27184* #
 N78-14096* #
 N78-27180* #
 N79-17847* #
 N78-14364* #
 N78-32260* #
 N79-28551* #
 N79-10162* #
 N78-31233* #
 N78-31735* #
 N79-24651* #
 N78-32721* #
 N79-22300* #
 N82-24312* #
 N78-31736* #
 N78-17675* #
 N79-26100* #
 N80-14107* #
 N80-16116* #
 N82-24492* #
 N81-14605* #
 N82-24420* #
 N81-14612* #
 N81-29764* #
 N81-14613* #
 N80-18691* #
 N79-14169* #
 N80-23383* #
 N80-18393* #
 N82-24212* #
 N82-10228* #
 N81-25662* #
 N79-24062* #
 N79-11215* #
 N81-13999* #
 N82-18389* #
 N81-27271* #
 N81-14016* #
 N80-31472* #
 N82-16174* #
 N82-18401* #
 N80-22410* #
 N81-17259* #
 N81-17433* #
 N82-12168* #
 N81-17262* #
 N82-24338* #
 N81-24256* #
 N82-24272* #
 N81-21047* #
 N80-33081* #
 N81-29164* #
 N81-27328* #
 N81-33804* #
 N80-26386* #
 N82-28353* #
 N82-24339* #
 N81-16882* #
 N81-19439* #
 N82-26987* #
 N81-19430* #
 N81-27272* #
 N82-12739* #
 N82-22496* #

NASA-CASE-ARC-11326-1	c 25	N83-33977* #	NASA-CASE-ERC-10439	c 02	N73-19004* #	NASA-CASE-GSC-10503-1	c 14	N72-20381* #
NASA-CASE-ARC-11354-1	c 74	N83-21949* #	NASA-CASE-ERC-10468	c 09	N72-20206* #	NASA-CASE-GSC-10514-1	c 14	N72-20379* #
NASA-CASE-ARC-11359-1	c 27	N82-28444* #	NASA-CASE-ERC-10552	c 09	N71-12539* #	NASA-CASE-GSC-10518-1	c 15	N72-22489* #
NASA-CASE-ARC-11361-1	c 35	N82-26635* #	NASA-CASE-ERC-11020	c 14	N71-26774* #	NASA-CASE-GSC-10553-1	c 07	N71-19854* #
NASA-CASE-ARC-11363-1	c 31	N83-28281* #				NASA-CASE-GSC-10554-1	c 08	N71-29033* #
NASA-CASE-ARC-11367-1	c 33	N83-21238* #	NASA-CASE-FRC-10005	c 15	N71-26145* #	NASA-CASE-GSC-10555-1	c 21	N71-27324* #
NASA-CASE-ARC-11368-1	c 27	N83-31854* #	NASA-CASE-FRC-10010	c 10	N72-24862* #	NASA-CASE-GSC-10556-1	c 31	N71-26537* #
NASA-CASE-ARC-11370-1	c 27	N83-25884* #	NASA-CASE-FRC-10012	c 14	N72-7329* #	NASA-CASE-GSC-10557-1	c 31	N71-26537* #
NASA-CASE-ARC-11372-1	c 08	N83-12098* #	NASA-CASE-FRC-10019	c 15	N73-12487* #	NASA-CASE-GSC-10564	c 10	N71-29135* #
NASA-CASE-ARC-11400-1	c 27	N83-14276* #	NASA-CASE-FRC-10022	c 12	N71-26546* #	NASA-CASE-GSC-10565-1	c 06	N72-25149* #
NASA-CASE-ARC-11402-1	c 27	N82-26462* #	NASA-CASE-FRC-10029-2	c 05	N72-25121* #	NASA-CASE-GSC-10566-1	c 15	N72-18477* #
NASA-CASE-ARC-11405-1	c 27	N83-12239* #	NASA-CASE-FRC-10029	c 09	N71-24618* #	NASA-CASE-GSC-10590-1	c 31	N73-14853* #
NASA-CASE-ARC-11409-1	c 27	N82-32490* #	NASA-CASE-FRC-10036	c 09	N72-22200* #	NASA-CASE-GSC-10607-1	c 15	N72-20442* #
NASA-CASE-ARC-11413-1	c 27	N83-14275* #	NASA-CASE-FRC-10038	c 15	N72-20444* #	NASA-CASE-GSC-10614-1	c 09	N72-11224* #
NASA-CASE-ARC-11414-1	c 37	N83-20152* #	NASA-CASE-FRC-10049-1	c 04	N74-13420* #	NASA-CASE-GSC-10640-1	c 28	N72-18766* #
NASA-CASE-ARC-11418-1	c 24	N83-17603* #	NASA-CASE-FRC-10051-1	c 35	N74-13129* #	NASA-CASE-GSC-10656-1	c 09	N72-25249* #
NASA-CASE-ARC-11423-1	c 03	N83-17525* #	NASA-CASE-FRC-10053	c 14	N70-35587* #	NASA-CASE-GSC-10667-1	c 10	N71-33129* #
NASA-CASE-ARC-11425-1	c 23	N83-28076* #	NASA-CASE-FRC-10060-1	c 14	N73-27379* #	NASA-CASE-GSC-10668-1	c 07	N71-28430* #
NASA-CASE-ARC-11427-1	c 24	N83-25791* #	NASA-CASE-FRC-10063	c 01	N71-12217* #	NASA-CASE-GSC-10669-1	c 03	N72-20031* #
NASA-CASE-ARC-11444-1	c 02	N83-25663* #	NASA-CASE-FRC-10071-1	c 32	N74-20813* #	NASA-CASE-GSC-10695-1	c 09	N72-25259* #
NASA-CASE-ARC-14408-1	c 27	N82-33523* #	NASA-CASE-FRC-10072-1	c 33	N74-14939* #	NASA-CASE-GSC-10700	c 23	N71-30027* #
NASA-CASE-ERC-10001	c 23	N71-24868* #	NASA-CASE-FRC-10081-1	c 37	N71-14477* #	NASA-CASE-GSC-10709-1	c 28	N71-25213* #
NASA-CASE-ERC-10011	c 07	N71-29065* #	NASA-CASE-FRC-10090-1	c 33	N78-18308* #	NASA-CASE-GSC-10710-1	c 28	N71-27094* #
NASA-CASE-ERC-10013	c 09	N71-26678* #	NASA-CASE-FRC-10092-1	c 05	N79-12061* #	NASA-CASE-GSC-10735-1	c 10	N71-26085* #
NASA-CASE-ERC-10014	c 14	N71-28883* #	NASA-CASE-FRC-10093-1	c 35	N80-20560* #	NASA-CASE-GSC-10780-1	c 14	N72-16283* #
NASA-CASE-ERC-10015-2	c 10	N72-27246* #	NASA-CASE-FRC-10111-1	c 37	N79-10419* #	NASA-CASE-GSC-10786-1	c 10	N72-28241* #
NASA-CASE-ERC-10017	c 18	N71-15587* #	NASA-CASE-FRC-10112-1	c 35	N81-26431* #	NASA-CASE-GSC-10791-1	c 15	N73-14469* #
NASA-CASE-ERC-10019	c 18	N71-15551* #	NASA-CASE-FRC-10113-1	c 33	N80-26599* #	NASA-CASE-GSC-10814-1	c 03	N73-20039* #
NASA-CASE-ERC-10020	c 18	N71-26154* #	NASA-CASE-FRC-10116-1	c 33	N79-23345* #	NASA-CASE-GSC-10835-1	c 09	N73-32025* #
NASA-CASE-ERC-10022	c 15	N71-26635* #	NASA-CASE-FRC-11005-1	c 06	N82-16075* #	NASA-CASE-GSC-10878-1	c 10	N72-22236* #
NASA-CASE-ERC-10031	c 12	N71-18603* #	NASA-CASE-FRC-11007-2	c 05	N82-26277* #	NASA-CASE-GSC-10879-1	c 14	N72-25413* #
NASA-CASE-ERC-10032	c 10	N71-25900* #	NASA-CASE-FRC-11009-1	c 06	N80-18036* #	NASA-CASE-GSC-10880-1	c 08	N72-11172* #
NASA-CASE-ERC-10033	c 14	N71-26672* #	NASA-CASE-FRC-11012-1	c 52	N80-23969* #	NASA-CASE-GSC-10890-1	c 21	N73-30640* #
NASA-CASE-ERC-10034	c 15	N71-24896* #	NASA-CASE-FRC-11013-1	c 43	N81-17499* #	NASA-CASE-GSC-10891-1	c 10	N71-26626* #
NASA-CASE-ERC-10041	c 08	N71-29138* #	NASA-CASE-FRC-11014-1	c 33	N82-18494* #	NASA-CASE-GSC-10903-1	c 14	N73-12444* #
NASA-CASE-ERC-10044-1	c 14	N71-27090* #	NASA-CASE-FRC-11024-1	c 02	N80-28300* #	NASA-CASE-GSC-10913	c 15	N72-22491* #
NASA-CASE-ERC-10045	c 15	N71-24910* #	NASA-CASE-FRC-11025-1	c 33	N82-24417* #	NASA-CASE-GSC-10945-1	c 21	N72-31637* #
NASA-CASE-ERC-10046	c 10	N71-18722* #	NASA-CASE-FRC-11026-1	c 24	N82-24296* #	NASA-CASE-GSC-10949-1	c 07	N71-28965* #
NASA-CASE-ERC-10048	c 09	N72-25251* #	NASA-CASE-FRC-11029-1	c 06	N81-17057* #	NASA-CASE-GSC-10975-1	c 08	N73-13187* #
NASA-CASE-ERC-10065	c 09	N71-27364* #	NASA-CASE-FRC-11041-1	c 33	N82-18493* #	NASA-CASE-GSC-10984-1	c 37	N75-26371* #
NASA-CASE-ERC-10072	c 09	N70-11148* #	NASA-CASE-FRC-11042-1	c 60	N82-24839* #	NASA-CASE-GSC-10990-1	c 09	N73-26195* #
NASA-CASE-ERC-10073-1	c 24	N74-18769* #	NASA-CASE-FRC-11043-1	c 08	N83-33882* #	NASA-CASE-GSC-11013-1	c 09	N73-19234* #
NASA-CASE-ERC-10075-2	c 09	N72-22196* #	NASA-CASE-FRC-11044-1	c 37	N81-33483* #	NASA-CASE-GSC-11018-1	c 31	N73-30829* #
NASA-CASE-ERC-10075	c 09	N71-24800* #	NASA-CASE-FRC-11052-1	c 04	N82-23231* #	NASA-CASE-GSC-11046-1	c 37	N73-28013* #
NASA-CASE-ERC-10081	c 14	N72-28437* #	NASA-CASE-FRC-11055-1	c 33	N80-29583* #	NASA-CASE-GSC-11063-1	c 07	N77-27400* #
NASA-CASE-ERC-10087-2	c 14	N72-31446* #	NASA-CASE-FRC-11058-1	c 85	N82-33288* #	NASA-CASE-GSC-11074-1	c 14	N73-28489* #
NASA-CASE-ERC-10087	c 14	N71-27334* #	NASA-CASE-FRC-11062-1	c 71	N82-16800* #	NASA-CASE-GSC-11077-1	c 02	N73-13008* #
NASA-CASE-ERC-10088	c 26	N71-25490* #	NASA-CASE-FRC-11065-1	c 05	N83-19737* #	NASA-CASE-GSC-11079-1	c 37	N75-18574* #
NASA-CASE-ERC-10089	c 23	N72-17747* #	NASA-CASE-FRC-11068-1	c 35	N82-24473* #	NASA-CASE-GSC-11092-2	c 04	N73-27052* #
NASA-CASE-ERC-10090	c 21	N71-24948* #	NASA-CASE-FRC-11072-1	c 05	N82-27975* #	NASA-CASE-GSC-11095-1	c 14	N72-10375* #
NASA-CASE-ERC-10097	c 15	N71-28465* #				NASA-CASE-GSC-11126-1	c 09	N72-25253* #
NASA-CASE-ERC-10098	c 09	N71-28818* #	NASA-CASE-GSC-10007	c 18	N71-16046* #	NASA-CASE-GSC-11127-1	c 09	N75-24758* #
NASA-CASE-ERC-10100	c 09	N71-33519* #	NASA-CASE-GSC-10017-1	c 44	N82-24643* #	NASA-CASE-GSC-11133-1	c 23	N72-11568* #
NASA-CASE-ERC-10108	c 08	N72-21094* #	NASA-CASE-GSC-10018-1	c 44	N82-24644* #	NASA-CASE-GSC-11139	c 09	N71-27016* #
NASA-CASE-ERC-10112	c 07	N72-21119* #	NASA-CASE-GSC-10019-1	c 44	N82-24641* #	NASA-CASE-GSC-11149-1	c 15	N73-30457* #
NASA-CASE-ERC-10113	c 09	N71-27053* #	NASA-CASE-GSC-10021-1	c 09	N72-24595* #	NASA-CASE-GSC-11163-1	c 15	N73-32360* #
NASA-CASE-ERC-10119	c 26	N72-21701* #	NASA-CASE-GSC-10022-1	c 10	N71-25882* #	NASA-CASE-GSC-11169-2	c 05	N73-32011* #
NASA-CASE-ERC-10120	c 26	N69-33482* #	NASA-CASE-GSC-10041-1	c 10	N71-19418* #	NASA-CASE-GSC-11182-1	c 15	N75-13007* #
NASA-CASE-ERC-10125	c 09	N71-24893* #	NASA-CASE-GSC-10062	c 14	N71-15605* #	NASA-CASE-GSC-11188-1	c 14	N73-32320* #
NASA-CASE-ERC-10138	c 26	N71-14354* #	NASA-CASE-GSC-10064-1	c 10	N72-22235* #	NASA-CASE-GSC-11188-2	c 21	N73-19630* #
NASA-CASE-ERC-10139	c 09	N72-17154* #	NASA-CASE-GSC-10065-1	c 10	N71-27136* #	NASA-CASE-GSC-11188-3	c 74	N74-20008* #
NASA-CASE-ERC-10150	c 14	N71-28992* #	NASA-CASE-GSC-10072	c 18	N71-14014* #	NASA-CASE-GSC-11205-1	c 15	N73-25513* #
NASA-CASE-ERC-10151	c 16	N71-29131* #	NASA-CASE-GSC-10082-1	c 10	N72-20221* #	NASA-CASE-GSC-11211-1	c 03	N72-25020* #
NASA-CASE-ERC-10174	c 14	N72-25409* #	NASA-CASE-GSC-10083-1	c 30	N71-16090* #	NASA-CASE-GSC-11214-1	c 06	N73-13128* #
NASA-CASE-ERC-10178	c 16	N71-24832* #	NASA-CASE-GSC-10087-1	c 02	N71-19287* #	NASA-CASE-GSC-11215-1	c 09	N73-28083* #
NASA-CASE-ERC-10179	c 07	N72-20141* #	NASA-CASE-GSC-10087-2	c 21	N71-13958* #	NASA-CASE-GSC-11222-1	c 16	N73-32321* #
NASA-CASE-ERC-10180-1	c 60	N74-20836* #	NASA-CASE-GSC-10087-3	c 07	N72-12080* #	NASA-CASE-GSC-11239-1	c 10	N73-25241* #
NASA-CASE-ERC-10187	c 16	N69-31343* #	NASA-CASE-GSC-10087-4	c 07	N73-20174* #	NASA-CASE-GSC-11262-1	c 36	N74-21091* #
NASA-CASE-ERC-10208	c 15	N70-10867* #	NASA-CASE-GSC-10097-1	c 08	N71-27210* #	NASA-CASE-GSC-11291-1	c 25	N72-33696* #
NASA-CASE-ERC-10214	c 09	N72-31235* #	NASA-CASE-GSC-10114-1	c 10	N71-27366* #	NASA-CASE-GSC-11296-1	c 23	N73-30666* #
NASA-CASE-ERC-10222	c 09	N72-22199* #	NASA-CASE-GSC-10118-1	c 07	N71-24621* #	NASA-CASE-GSC-11302-1	c 14	N73-13416* #
NASA-CASE-ERC-10224-2	c 09	N73-27150* #	NASA-CASE-GSC-10131-1	c 07	N71-24624* #	NASA-CASE-GSC-11304-1	c 06	N72-21105* #
NASA-CASE-ERC-10224	c 09	N72-25261* #	NASA-CASE-GSC-10135	c 33	N78-17296* #	NASA-CASE-GSC-11340-1	c 10	N72-33230* #
NASA-CASE-ERC-10226-1	c 14	N73-16483* #	NASA-CASE-GSC-10185-1	c 07	N72-12081* #	NASA-CASE-GSC-11353-1	c 74	N74-21304* #
NASA-CASE-ERC-10248	c 14	N72-17323* #	NASA-CASE-GSC-10186	c 08	N71-33110* #	NASA-CASE-GSC-11358-1	c 06	N73-26100* #
NASA-CASE-ERC-10267	c 09	N72-23173* #	NASA-CASE-GSC-10188-1	c 23	N71-24725* #	NASA-CASE-GSC-11367-1	c 44	N74-19692* #
NASA-CASE-ERC-10268	c 09	N72-25252* #	NASA-CASE-GSC-10216-1	c 23	N71-26722* #	NASA-CASE-GSC-11367	c 10	N71-26374* #
NASA-CASE-ERC-10275	c 26	N72-25680* #	NASA-CASE-GSC-10218-1	c 15	N72-21465* #	NASA-CASE-GSC-11368-1	c 09	N73-32108* #
NASA-CASE-ERC-10276	c 14	N73-26432* #	NASA-CASE-GSC-10220-1	c 07	N71-27233* #	NASA-CASE-GSC-11394-1	c 09	N73-32109* #
NASA-CASE-ERC-10283	c 16	N72-25485* #	NASA-CASE-GSC-10221-1	c 09	N72-23171* #	NASA-CASE-GSC-11425-1	c 76	N74-20329* #
NASA-CASE-ERC-10285	c 10	N73-16206* #	NASA-CASE-GSC-10225-1	c 06	N73-27086* #	NASA-CASE-GSC-11425-2	c 76	N75-25730* #
NASA-CASE-ERC-10292	c 14	N72-25410* #	NASA-CASE-GSC-10299-1	c 09	N71-24804* #	NASA-CASE-GSC-11428-1	c 32	N74-20864* #
NASA-CASE-ERC-10307	c 08	N72-21198* #	NASA-CASE-GSC-10303	c 15	N72-22487* #	NASA-CASE-GSC-11434-1	c 34	N74-27859* #
NASA-CASE-ERC-10324	c 07	N72-25173* #	NASA-CASE-GSC-10306-1	c 15	N71-24694* #	NASA-CASE-GSC-11444-1	c 14	N73-28490* #
NASA-CASE-ERC-10325	c 15	N72-25457* #	NASA-CASE-GSC-10344-1	c 03	N72-27053* #	NASA-CASE-GSC-11445-1	c 31	N74-27902* #
NASA-CASE-ERC-10338	c 04	N72-33072* #	NASA-CASE-GSC-10349-1	c 44	N82-24645* #	NASA-CASE-GSC-11446-1	c 33	N74-20860* #
NASA-CASE-ERC-10339-1	c 18	N73-30532* #	NASA-CASE-GSC-10350-1	c 44	N82-24642* #	NASA-CASE-GSC-11479-1	c 35	N74-28097* #
NASA-CASE-ERC-10350	c 14	N73-20474* #	NASA-CASE-GSC-10361-1	c 18	N72-23581* #	NASA-CASE-GSC-11487-1	c 14	N73-30393* #
NASA-CASE-ERC-10363	c 18	N72-25541* #	NASA-CASE-GSC-10366-1	c 10	N71-18772* #	NASA-CASE-GSC-11492-1	c 35	N74-26949* #
NASA-CASE-ERC-10364	c 18	N72-25540* #	NASA-CASE-GSC-10373-1	c 07	N71-19773* #	NASA-CASE-GSC-11513-1	c 33	N74-20862* #
NASA-CASE-ERC-10365-1	c 31	N73-32749* #	NASA-CASE-GSC-10376-1	c 14	N71-27407* #	NASA-CASE-GSC-11514-1	c 03	N72-24037* #
NASA-CASE-ERC-10392	c 21	N73-14692* #	NASA-CASE-GSC-10390-1	c 07	N72-11149* #	NASA-CASE-GSC-11531-1	c 52	N74-27566* #
NASA-CASE-ERC-10403-1	c 10	N73-26228* #	NASA-CASE-GSC-10413	c 10	N71-26531* #	NASA-CASE-GSC-11533-1	c 14	N73-13435* #
NASA-CASE-ERC-10412-1	c 09	N73-12211* #	NASA-CASE-GSC-10441-1	c 14	N71-27325* #	NASA-CASE-GSC-11551-1	c 37	N76-18459* #
NASA-CASE-ERC-10419-1	c 03	N75-30132* #	NASA-CASE-GSC-10452	c 07	N71-12396* #	NASA-CASE-GSC-11553-1	c 35	N74-15831* #
			NASA-CASE-GSC-10487-1	c 03	N71-24719* #	NASA-CASE-GSC-11560-1	c 33	N74-20861* #

REPORT NUMBER INDEX

NASA-CASE-KSC-11099-1

NASA-CASE-GSC-11569-1	c 89	N74-30886* #	NASA-CASE-GSC-12253-1	c 34	N79-31523* #	NASA-CASE-HQN-10274-1	c 27	N82-29451* #
NASA-CASE-GSC-11571-1	c 36	N77-25499* #	NASA-CASE-GSC-12263-1	c 74	N79-20857* #	NASA-CASE-HQN-10328-2	c 27	N82-29454* #
NASA-CASE-GSC-11577-1	c 37	N75-15992* #	NASA-CASE-GSC-12273-1	c 35	N80-21719* #	NASA-CASE-HQN-10364	c 06	N71-27363* #
NASA-CASE-GSC-11577-3	c 24	N79-25143* #	NASA-CASE-GSC-12274-1	c 37	N79-28550* #	NASA-CASE-HQN-10439	c 21	N72-21624* #
NASA-CASE-GSC-11582-1	c 33	N75-19517* #	NASA-CASE-GSC-12289-1	c 37	N80-32717* #	NASA-CASE-HQN-10462	c 25	N75-29192* #
NASA-CASE-GSC-11600-1	c 35	N74-21019* #	NASA-CASE-GSC-12291-1	c 76	N80-18951* #	NASA-CASE-HQN-10537-1	c 06	N72-10138* #
NASA-CASE-GSC-11602-1	c 33	N74-21850* #	NASA-CASE-GSC-12297-1	c 37	N79-28549* #	NASA-CASE-HQN-10541-1	c 07	N71-26291* #
NASA-CASE-GSC-11617-1	c 33	N74-32660* #	NASA-CASE-GSC-12303-1	c 24	N79-31347* #	NASA-CASE-HQN-10541-2	c 15	N71-27135* #
NASA-CASE-GSC-11619-1	c 34	N75-12222* #	NASA-CASE-GSC-12318-1	c 37	N80-23655* #	NASA-CASE-HQN-10541-3	c 23	N72-23695* #
NASA-CASE-GSC-11620-1	c 34	N74-23039* #	NASA-CASE-GSC-12321-1	c 36	N82-16396* #	NASA-CASE-HQN-10541-4	c 16	N71-27183* #
NASA-CASE-GSC-11623-1	c 33	N75-25040* #	NASA-CASE-GSC-12322-1	c 37	N80-14398* #	NASA-CASE-HQN-10542-1	c 74	N75-25706* #
NASA-CASE-GSC-11743-1	c 32	N75-24981* #	NASA-CASE-GSC-12324-1	c 33	N81-33403* #	NASA-CASE-HQN-10595-1	c 27	N82-29455* #
NASA-CASE-GSC-11744-1	c 33	N75-26243* #	NASA-CASE-GSC-12331-1	c 18	N80-14183* #	NASA-CASE-HQN-10638-1	c 15	N73-30460* #
NASA-CASE-GSC-11746-1	c 36	N75-19654* #	NASA-CASE-GSC-12334-1	c 36	N79-14362* #	NASA-CASE-HQN-10654-1	c 16	N73-13489* #
NASA-CASE-GSC-11752-1	c 77	N75-20140* #	NASA-CASE-GSC-12347-1	c 33	N80-18286* #	NASA-CASE-HQN-10683	c 14	N71-34389* #
NASA-CASE-GSC-11760-1	c 73	N75-19516* #	NASA-CASE-GSC-12348-1	c 74	N80-24149* #	NASA-CASE-HQN-10703	c 21	N73-13643* #
NASA-CASE-GSC-11782-1	c 34	N76-30053* #	NASA-CASE-GSC-12354-1	c 35	N82-24471* #	NASA-CASE-HQN-10740-1	c 72	N74-19310* #
NASA-CASE-GSC-11783-1	c 33	N75-19516* #	NASA-CASE-GSC-12357-1	c 74	N80-21140* #	NASA-CASE-HQN-10756-1	c 14	N72-25428* #
NASA-CASE-GSC-11786-1	c 24	N76-24363* #	NASA-CASE-GSC-12360-1	c 33	N81-19392* #	NASA-CASE-HQN-10780	c 14	N71-30265* #
NASA-CASE-GSC-11789-1	c 33	N77-14333* #	NASA-CASE-GSC-12365-1	c 32	N80-28578* #	NASA-CASE-HQN-10781	c 23	N71-30292* #
NASA-CASE-GSC-11824-1	c 33	N77-26386* #	NASA-CASE-GSC-12399-1	c 33	N81-25299* #	NASA-CASE-HQN-10790-1	c 36	N74-11313* #
NASA-CASE-GSC-11829-1	c 35	N75-27331* #	NASA-CASE-GSC-12410-1	c 33	N79-24260* #	NASA-CASE-HQN-10792-1	c 33	N74-11049* #
NASA-CASE-GSC-11839-1	c 60	N77-14751* #	NASA-CASE-GSC-12411-1	c 33	N81-14221* #	NASA-CASE-HQN-10832-1	c 71	N74-21014* #
NASA-CASE-GSC-11839-2	c 60	N78-10709* #	NASA-CASE-GSC-12415-1	c 33	N82-24419* #	NASA-CASE-HQN-10841-1	c 73	N78-19920* #
NASA-CASE-GSC-11839-3	c 60	N77-32731* #	NASA-CASE-GSC-12420-1	c 33	N82-16340* #	NASA-CASE-HQN-10844-1	c 36	N75-19653* #
NASA-CASE-GSC-11844-1	c 33	N75-19522* #	NASA-CASE-GSC-12429-1	c 37	N81-14320* #	NASA-CASE-HQN-10862-1	c 44	N76-29699* #
NASA-CASE-GSC-11849-1	c 33	N76-16332* #	NASA-CASE-GSC-12430-1	c 60	N82-16747* #	NASA-CASE-HQN-10876-1	c 33	N76-27473* #
NASA-CASE-GSC-11862-1	c 32	N76-18295* #	NASA-CASE-GSC-12442-1	c 33	N82-20398* #	NASA-CASE-HQN-10880-1	c 17	N78-17140* #
NASA-CASE-GSC-11868-1	c 17	N76-22245* #	NASA-CASE-GSC-12447-1	c 60	N80-21987* #	NASA-CASE-HQN-10888-1	c 44	N79-14527* #
NASA-CASE-GSC-11877-1	c 74	N76-18913* #	NASA-CASE-GSC-12447-2	c 17	N83-29302* #	NASA-CASE-HQN-10931-2	c 27	N82-29452* #
NASA-CASE-GSC-11883-1	c 37	N77-19458* #	NASA-CASE-GSC-12508-1	c 04	N81-26085* #			
NASA-CASE-GSC-11883-2	c 37	N78-31426* #	NASA-CASE-GSC-12513-1	c 31	N81-19343* #	NASA-CASE-JPO-15432-1	c 32	N83-12308* #
NASA-CASE-GSC-11889-1	c 35	N76-16393* #	NASA-CASE-GSC-12515-1	c 33	N81-26360* #			
NASA-CASE-GSC-11892-1	c 35	N76-15433* #	NASA-CASE-GSC-12517-1	c 37	N83-32067* #	NASA-CASE-KSC-10002	c 10	N71-25865* #
NASA-CASE-GSC-11893-1	c 35	N76-31489* #	NASA-CASE-GSC-12518-1	c 33	N82-24421* #	NASA-CASE-KSC-10003	c 10	N73-13235* #
NASA-CASE-GSC-11895-1	c 35	N76-15436* #	NASA-CASE-GSC-12528-1	c 74	N81-24900* #	NASA-CASE-KSC-10020	c 10	N71-27338* #
NASA-CASE-GSC-11898-1	c 32	N77-30309* #	NASA-CASE-GSC-12550-1	c 37	N81-22358* #	NASA-CASE-KSC-10031	c 15	N72-22486* #
NASA-CASE-GSC-11902-1	c 38	N77-17495* #	NASA-CASE-GSC-12551-1	c 18	N83-28064* #	NASA-CASE-KSC-10108	c 14	N73-25461* #
NASA-CASE-GSC-11909	c 32	N74-20863* #	NASA-CASE-GSC-12553-1	c 34	N83-28356* #	NASA-CASE-KSC-10126	c 11	N71-24985* #
NASA-CASE-GSC-11917-2	c 51	N76-29891* #	NASA-CASE-GSC-12555-1	c 33	N80-26601* #	NASA-CASE-KSC-10162	c 09	N72-11225* #
NASA-CASE-GSC-11924-1	c 33	N76-27472* #	NASA-CASE-GSC-12558-1	c 35	N82-29580* #	NASA-CASE-KSC-10164	c 07	N71-33108* #
NASA-CASE-GSC-11925-1	c 33	N76-18353* #	NASA-CASE-GSC-12560-1	c 52	N82-29863* #	NASA-CASE-KSC-10198	c 11	N71-28629* #
NASA-CASE-GSC-11960-1	c 37	N77-14479* #	NASA-CASE-GSC-12565-1	c 36	N82-24485* #	NASA-CASE-KSC-10242	c 15	N72-23497* #
NASA-CASE-GSC-11963-1	c 33	N77-10429* #	NASA-CASE-GSC-12566-1	c 33	N83-34189* #	NASA-CASE-KSC-10278	c 05	N72-16015* #
NASA-CASE-GSC-11968-1	c 32	N76-15329* #	NASA-CASE-GSC-12567-1	c 33	N82-11359* #	NASA-CASE-KSC-10294	c 14	N72-18411* #
NASA-CASE-GSC-11974-1	c 37	N77-19458* #	NASA-CASE-GSC-12582-1	c 37	N81-16469* #	NASA-CASE-KSC-10326	c 08	N72-21197* #
NASA-CASE-GSC-11975-1	c 37	N77-19458* #	NASA-CASE-GSC-12582-2	c 37	N83-13460* #	NASA-CASE-KSC-10392	c 07	N73-26117* #
NASA-CASE-GSC-11976-1	c 43	N78-10529* #	NASA-CASE-GSC-12584-1	c 37	N82-32730* #	NASA-CASE-KSC-10393	c 09	N72-21247* #
NASA-CASE-GSC-11978-1	c 37	N77-17464* #	NASA-CASE-GSC-12587-1	c 35	N82-32659* #	NASA-CASE-KSC-10397	c 08	N72-25206* #
NASA-CASE-GSC-11989-1	c 74	N77-28932* #	NASA-CASE-GSC-12592-1	c 36	N81-12407* #	NASA-CASE-KSC-10513	c 15	N72-25453* #
NASA-CASE-GSC-11998-1	c 34	N77-32413* #	NASA-CASE-GSC-12595-1	c 33	N82-24422* #	NASA-CASE-KSC-10521	c 07	N73-20176* #
NASA-CASE-GSC-12010-1	c 74	N78-18905* #	NASA-CASE-GSC-12608-1	c 74	N83-10900* #	NASA-CASE-KSC-10565	c 09	N72-25250* #
NASA-CASE-GSC-12017-1	c 32	N77-30308* #	NASA-CASE-GSC-12609-1	c 36	N81-22344* #	NASA-CASE-KSC-10595	c 08	N73-12176* #
NASA-CASE-GSC-12018-1	c 33	N77-14334* #	NASA-CASE-GSC-12609-2	c 36	N83-29681* #	NASA-CASE-KSC-10615	c 15	N73-12486* #
NASA-CASE-GSC-12022-1	c 44	N76-28635* #	NASA-CASE-GSC-12614-1	c 74	N83-32577* #	NASA-CASE-KSC-10622-1	c 31	N72-21893* #
NASA-CASE-GSC-12022-2	c 44	N78-24609* #	NASA-CASE-GSC-12619-1	c 37	N81-16470* #	NASA-CASE-KSC-10626	c 14	N73-27378* #
NASA-CASE-GSC-12023-1	c 44	N76-28635* #	NASA-CASE-GSC-12622-1	c 37	N81-22359* #	NASA-CASE-KSC-10639	c 15	N73-26472* #
NASA-CASE-GSC-12030-1	c 44	N78-24608* #	NASA-CASE-GSC-12630-1	c 33	N83-36355* #	NASA-CASE-KSC-10644	c 09	N72-27227* #
NASA-CASE-GSC-12032-2	c 43	N82-13465* #	NASA-CASE-GSC-12636-1	c 31	N83-27058* #	NASA-CASE-KSC-10647-1	c 10	N72-31273* #
NASA-CASE-GSC-12039-1	c 51	N77-22794* #	NASA-CASE-GSC-12640-1	c 74	N82-10862* #	NASA-CASE-KSC-10654-1	c 07	N73-30115* #
NASA-CASE-GSC-12044-1	c 60	N78-17691* #	NASA-CASE-GSC-12643-1	c 37	N83-26078* #	NASA-CASE-KSC-10698	c 07	N73-20175* #
NASA-CASE-GSC-12046-1	c 52	N79-14750* #	NASA-CASE-GSC-12645-1	c 33	N81-31482* #	NASA-CASE-KSC-10723-1	c 37	N75-13265* #
NASA-CASE-GSC-12053-1	c 32	N77-28346* #	NASA-CASE-GSC-12646-1	c 33	N83-34191* #	NASA-CASE-KSC-10728-1	c 14	N73-32319* #
NASA-CASE-GSC-12058-1	c 74	N77-26942* #	NASA-CASE-GSC-12650-1	c 33	N82-10324* #	NASA-CASE-KSC-10729-1	c 09	N73-32110* #
NASA-CASE-GSC-12059-1	c 35	N77-27366* #	NASA-CASE-GSC-12652-1	c 52	N82-26961* #	NASA-CASE-KSC-10730-1	c 14	N73-32318* #
NASA-CASE-GSC-12075-1	c 32	N77-31350* #	NASA-CASE-GSC-12682-1	c 35	N82-26629* #	NASA-CASE-KSC-10731-1	c 33	N74-27862* #
NASA-CASE-GSC-12077-1	c 35	N77-24455* #	NASA-CASE-GSC-12683-1	c 74	N83-36898* #	NASA-CASE-KSC-10736-1	c 33	N75-19521* #
NASA-CASE-GSC-12081-2	c 52	N82-22875* #	NASA-CASE-GSC-12686-1	c 27	N83-34039* #	NASA-CASE-KSC-10750-1	c 35	N75-12270* #
NASA-CASE-GSC-12082-1	c 54	N76-22914* #	NASA-CASE-GSC-12697-1	c 31	N82-11312* #	NASA-CASE-KSC-10769-1	c 33	N74-29556* #
NASA-CASE-GSC-12082-2	c 52	N81-25661* #	NASA-CASE-GSC-12726-1	c 37	N83-34323* #	NASA-CASE-KSC-10782-1	c 33	N75-30431* #
NASA-CASE-GSC-12083-1	c 73	N78-32848* #	NASA-CASE-GSC-12756-1	c 74	N82-30073* #	NASA-CASE-KSC-10807-1	c 33	N75-26246* #
NASA-CASE-GSC-12088-1	c 74	N78-13874* #	NASA-CASE-GSC-12762-1	c 37	N82-29604* #	NASA-CASE-KSC-10834-1	c 33	N76-14371* #
NASA-CASE-GSC-12110-1	c 27	N77-32308* #	NASA-CASE-GSC-12770-1	c 25	N83-29324* #	NASA-CASE-KSC-10849-1	c 52	N77-14738* #
NASA-CASE-GSC-12111-2	c 33	N81-29342* #	NASA-CASE-GSC-12771-1	c 34	N83-12361* #	NASA-CASE-KSC-10899-1	c 33	N79-18193* #
NASA-CASE-GSC-12115-1	c 62	N76-31946* #	NASA-CASE-GSC-12773-1	c 33	N83-12332* #	NASA-CASE-KSC-11004-1	c 54	N77-30749* #
NASA-CASE-GSC-12137-1	c 33	N78-32338* #	NASA-CASE-GSC-12782-1	c 33	N83-13360* #	NASA-CASE-KSC-11008-1	c 33	N79-22973* #
NASA-CASE-GSC-12138-1	c 33	N79-20314* #	NASA-CASE-GSC-12788-1	c 33	N83-12333* #	NASA-CASE-KSC-11010-1	c 74	N79-12890* #
NASA-CASE-GSC-12143-1	c 35	N77-32456* #	NASA-CASE-GSC-12789-1	c 35	N83-13425* #	NASA-CASE-KSC-11018-1	c 33	N79-10337* #
NASA-CASE-GSC-12145-1	c 33	N78-32339* #	NASA-CASE-GSC-12794-1	c 37	N83-12434* #	NASA-CASE-KSC-11023-1	c 32	N79-23310* #
NASA-CASE-GSC-12146-1	c 33	N78-32340* #	NASA-CASE-GSC-12795-1	c 35	N83-20085* #	NASA-CASE-KSC-11025-1	c 32	N83-13323* #
NASA-CASE-GSC-12147-1	c 32	N81-27341* #	NASA-CASE-GSC-12799-1	c 37	N83-20153* #	NASA-CASE-KSC-11030-1	c 52	N77-25772* #
NASA-CASE-GSC-12148-1	c 32	N79-20296* #	NASA-CASE-GSC-12804-1	c 33	N83-35228* #	NASA-CASE-KSC-11031-1	c 33	N79-11315* #
NASA-CASE-GSC-12150-1	c 32	N79-11265* #	NASA-CASE-GSC-12805-1	c 72	N83-18423* #	NASA-CASE-KSC-11034-1	c 44	N78-32542* #
NASA-CASE-GSC-12158-1	c 51	N83-27569* #	NASA-CASE-GSC-12808-1	c 45	N83-20448* #	NASA-CASE-KSC-11035-1	c 35	N78-28411* #
NASA-CASE-GSC-12168-1	c 31	N79-17029* #	NASA-CASE-GSC-12816-1	c 76	N83-30268* #	NASA-CASE-KSC-11042-1	c 09	N82-29330* #
NASA-CASE-GSC-12171-1	c 33	N79-28416* #	NASA-CASE-GSC-12817-1	c 33	N83-29590* #	NASA-CASE-KSC-11042-2	c 02	N81-26073* #
NASA-CASE-GSC-12173-1	c 51	N79-10694* #	NASA-CASE-GSC-12818-1	c 33	N83-29594* #	NASA-CASE-KSC-11047-1	c 74	N78-14889* #
NASA-CASE-GSC-12190-1	c 33	N79-12321* #	NASA-CASE-GSC-12824-1	c 35	N83-13424* #	NASA-CASE-KSC-11048-1	c 62	N81-24779* #
NASA-CASE-GSC-12191-1	c 31	N80-32583* #	NASA-CASE-GSC-12851-1	c 35	N83-20083* #	NASA-CASE-KSC-11057-1	c 33	N79-14305* #
NASA-CASE-GSC-12194-2	c 20	N82-18314* #				NASA-CASE-KSC-11064-1	c 31	N81-14137* #
NASA-CASE-GSC-12207-1	c 24	N79-14156* #	NASA-CASE-HQN-00573-1	c 37	N79-33468* #	NASA-CASE-KSC-11065-1	c 33	N81-26359* #
NASA-CASE-GSC-12219-1	c 35	N80-18359* #	NASA-CASE-HQN-00936	c 31	N71-29050* #	NASA-CASE-KSC-11069-1	c 52	N79-26772* #
NASA-CASE-GSC-12223-1	c 60	N83-25378* #	NASA-CASE-HQN-00937	c 07	N71-28979* #	NASA-CASE-KSC-11076-1	c 34	N81-26402* #
NASA-CASE-GSC-12225-1	c 74	N79-14891* #	NASA-CASE-HQN-00938	c 33	N71-29053* #	NASA-CASE-KSC-11085-1	c 54	N81-24724* #
NASA-CASE-GSC-12228-1	c 33	N79-10338* #	NASA-CASE-HQN-10037-1	c 14	N73-27378* #	NASA-CASE-KSC-11097-1	c 27	N82-33520* #
NASA-CASE-GSC-12237-1	c 33	N80-14384* #	NASA-CASE-HQN-10069	c 33	N75-27251* #	NASA-CASE-KSC-11099-1	c 47	N82-24779* #

NASA-CASE-KSC-11104-1	c 74	N83-29032* #	NASA-CASE-LAR-10595-1	c 35	N74-16135* #	NASA-CASE-LAR-11551-1	c 44	N80-29834* #
NASA-CASE-KSC-11170-1	c 33	N83-36356* #	NASA-CASE-LAR-10612-1	c 12	N73-28144* #	NASA-CASE-LAR-11552-1	c 35	N76-14429* #
NASA-CASE-KSC-11218-1	c 09	N82-29331* #	NASA-CASE-LAR-10620-1	c 09	N72-25255* #	NASA-CASE-LAR-11563-1	c 37	N77-23482* #
			NASA-CASE-LAR-10623-1	c 14	N73-30395* #	NASA-CASE-LAR-11570-1	c 34	N76-18364* #
NASA-CASE-LAR-02743	c 14	N73-32324* #	NASA-CASE-LAR-10626-1	c 19	N74-21015* #	NASA-CASE-LAR-11575-1	c 02	N76-16014* #
NASA-CASE-LAR-10000	c 14	N73-30394* #	NASA-CASE-LAR-10629-1	c 35	N75-33367* #	NASA-CASE-LAR-11607-1	c 32	N77-14292* #
NASA-CASE-LAR-10007-1	c 05	N71-11195* #	NASA-CASE-LAR-10634-1	c 37	N74-18123* #	NASA-CASE-LAR-11617-2	c 35	N78-32397* #
NASA-CASE-LAR-10031	c 15	N72-22484* #	NASA-CASE-LAR-10642-1	c 07	N73-31270* #	NASA-CASE-LAR-11645-1	c 02	N77-10001* #
NASA-CASE-LAR-10056	c 05	N71-12351* #	NASA-CASE-LAR-10668-1	c 06	N73-16106* #	NASA-CASE-LAR-11648-1	c 35	N77-14407* #
NASA-CASE-LAR-10061-1	c 15	N72-31483* #	NASA-CASE-LAR-10670-1	c 06	N73-30097* #	NASA-CASE-LAR-11649-1	c 51	N77-27677* #
NASA-CASE-LAR-10073-1	c 37	N76-24575* #	NASA-CASE-LAR-10670-2	c 15	N74-27360* #	NASA-CASE-LAR-11658-1	c 37	N77-14478* #
NASA-CASE-LAR-10076-1	c 05	N73-20137* #	NASA-CASE-LAR-10682-1	c 02	N73-26004* #	NASA-CASE-LAR-11667-1	c 52	N76-19785* #
NASA-CASE-LAR-10083-1	c 15	N71-27006* #	NASA-CASE-LAR-10686	c 14	N71-28935* #	NASA-CASE-LAR-11674-1	c 07	N76-18117* #
NASA-CASE-LAR-10089-1	c 34	N74-23066* #	NASA-CASE-LAR-10688-1	c 37	N74-21056* #	NASA-CASE-LAR-11675-1	c 45	N76-17656* #
NASA-CASE-LAR-10098	c 32	N71-26681* #	NASA-CASE-LAR-10717-1	c 21	N73-30641* #	NASA-CASE-LAR-11688-1	c 24	N82-26384* #
NASA-CASE-LAR-10102-1	c 05	N72-23085* #	NASA-CASE-LAR-10726-1	c 14	N73-20475* #	NASA-CASE-LAR-11690-1	c 35	N80-14371* #
NASA-CASE-LAR-10103-1	c 15	N73-14468* #	NASA-CASE-LAR-10728-1	c 14	N73-12445* #	NASA-CASE-LAR-11695-2	c 37	N80-18402* #
NASA-CASE-LAR-10105-1	c 34	N74-15652* #	NASA-CASE-LAR-10730-1	c 33	N74-10223* #	NASA-CASE-LAR-11695-2	c 37	N81-24443* #
NASA-CASE-LAR-10106-1	c 15	N71-27169* #	NASA-CASE-LAR-10739-1	c 14	N73-16484* #	NASA-CASE-LAR-11709-1	c 37	N76-25767* #
NASA-CASE-LAR-10121-1	c 15	N71-26721* #	NASA-CASE-LAR-10753-1	c 08	N74-30421* #	NASA-CASE-LAR-11711-1	c 74	N78-17866* #
NASA-CASE-LAR-10128-1	c 08	N73-20217* #	NASA-CASE-LAR-10756-1	c 32	N73-26910* #	NASA-CASE-LAR-11726-1	c 37	N76-27568* #
NASA-CASE-LAR-10129-1	c 15	N73-25512* #	NASA-CASE-LAR-10765-1	c 32	N73-20740* #	NASA-CASE-LAR-11729-1	c 34	N79-12359* #
NASA-CASE-LAR-10129-2	c 37	N74-20063* #	NASA-CASE-LAR-10773-3	c 51	N77-25769* #	NASA-CASE-LAR-11745-1	c 32	N80-29539* #
NASA-CASE-LAR-10135-1	c 09	N79-21083* #	NASA-CASE-LAR-10774	c 10	N71-13545* #	NASA-CASE-LAR-11782-1	c 74	N77-20882* #
NASA-CASE-LAR-10137-1	c 09	N72-22204* #	NASA-CASE-LAR-10776-1	c 02	N74-10034* #	NASA-CASE-LAR-11797-1	c 05	N81-19087* #
NASA-CASE-LAR-10163-1	c 09	N72-25247* #	NASA-CASE-LAR-10782-1	c 31	N74-14133* #	NASA-CASE-LAR-11821-1	c 26	N80-28492* #
NASA-CASE-LAR-10168-1	c 33	N74-22865* #	NASA-CASE-LAR-10782-2	c 31	N75-13111* #	NASA-CASE-LAR-11825-1	c 35	N77-22449* #
NASA-CASE-LAR-10170-1	c 37	N74-11301* #	NASA-CASE-LAR-10799-2	c 34	N76-17317* #	NASA-CASE-LAR-11827-1	c 32	N77-10392* #
NASA-CASE-LAR-10173-1	c 27	N71-14090* #	NASA-CASE-LAR-10800-1	c 33	N72-27959* #	NASA-CASE-LAR-11828-1	c 27	N78-32261* #
NASA-CASE-LAR-10176-1	c 14	N72-20380* #	NASA-CASE-LAR-10805-2	c 34	N77-18382* #	NASA-CASE-LAR-11855-1	c 37	N81-14319* #
NASA-CASE-LAR-10180-1	c 06	N71-13461* #	NASA-CASE-LAR-10806-1	c 35	N74-32877* #	NASA-CASE-LAR-11859-1	c 35	N79-14349* #
NASA-CASE-LAR-10184	c 14	N72-22445* #	NASA-CASE-LAR-10812-1	c 09	N74-17955* #	NASA-CASE-LAR-11868-2	c 08	N79-14108* #
NASA-CASE-LAR-10193-1	c 15	N71-27146* #	NASA-CASE-LAR-10815-1	c 16	N72-22520* #	NASA-CASE-LAR-11869-1	c 74	N78-27904* #
NASA-CASE-LAR-10194-1	c 34	N74-30608* #	NASA-CASE-LAR-10836-1	c 26	N72-27784* #	NASA-CASE-LAR-11883-1	c 09	N77-27131* #
NASA-CASE-LAR-10195-1	c 15	N73-19458* #	NASA-CASE-LAR-10841-1	c 31	N74-27900* #	NASA-CASE-LAR-11889-1	c 35	N79-26372* #
NASA-CASE-LAR-10203-1	c 15	N72-16330* #	NASA-CASE-LAR-10855-1	c 14	N73-13415* #	NASA-CASE-LAR-11889-2	c 37	N78-27424* #
NASA-CASE-LAR-10204	c 14	N71-27215* #	NASA-CASE-LAR-10862-1	c 35	N74-15092* #	NASA-CASE-LAR-11898-1	c 24	N78-10214* #
NASA-CASE-LAR-10208-1	c 35	N76-18400* #	NASA-CASE-LAR-10868-1	c 33	N74-11050* #	NASA-CASE-LAR-11898-2	c 24	N78-17149* #
NASA-CASE-LAR-10218-1	c 09	N70-34559* #	NASA-CASE-LAR-10894-1	c 18	N73-14584* #	NASA-CASE-LAR-11900-1	c 37	N79-14382* #
NASA-CASE-LAR-10226-1	c 14	N73-19419* #	NASA-CASE-LAR-10900-1	c 37	N74-23064* #	NASA-CASE-LAR-11902-1	c 27	N78-17206* #
NASA-CASE-LAR-10241-1	c 54	N74-14845* #	NASA-CASE-LAR-10907-1	c 35	N76-29551* #	NASA-CASE-LAR-11903-2	c 34	N82-20465* #
NASA-CASE-LAR-10249-1	c 02	N71-26110* #	NASA-CASE-LAR-10910-1	c 35	N74-13132* #	NASA-CASE-LAR-11919-1	c 07	N78-27121* #
NASA-CASE-LAR-10253-1	c 09	N72-25258* #	NASA-CASE-LAR-10913	c 14	N72-16282* #	NASA-CASE-LAR-11922-1	c 25	N79-24073* #
NASA-CASE-LAR-10256-1	c 85	N74-34672* #	NASA-CASE-LAR-10941-1	c 37	N74-21057* #	NASA-CASE-LAR-11932-1	c 05	N78-32086* #
NASA-CASE-LAR-10270-1	c 32	N72-25877* #	NASA-CASE-LAR-10941-2	c 37	N79-13364* #	NASA-CASE-LAR-11970-2	c 08	N81-19130* #
NASA-CASE-LAR-10274-1	c 14	N71-17626* #	NASA-CASE-LAR-10953-1	c 17	N73-27446* #	NASA-CASE-LAR-11973-1	c 35	N78-27384* #
NASA-CASE-LAR-10276-1	c 09	N75-15662* #	NASA-CASE-LAR-10970-1	c 33	N76-14372* #	NASA-CASE-LAR-11995-1	c 28	N77-10213* #
NASA-CASE-LAR-10294-1	c 26	N72-28762* #	NASA-CASE-LAR-10994-1	c 24	N75-13032* #	NASA-CASE-LAR-11999-1	c 44	N80-18552* #
NASA-CASE-LAR-10295-1	c 35	N74-21062* #	NASA-CASE-LAR-11021-1	c 32	N76-14321* #	NASA-CASE-LAR-12007-2	c 74	N79-25876* #
NASA-CASE-LAR-10305	c 14	N71-26137* #	NASA-CASE-LAR-11027-1	c 35	N74-18088* #	NASA-CASE-LAR-12007-3	c 74	N83-25542* #
NASA-CASE-LAR-10310-1	c 10	N73-20253* #	NASA-CASE-LAR-11042-1	c 33	N75-27252* #	NASA-CASE-LAR-12009-1	c 44	N78-15560* #
NASA-CASE-LAR-10311-1	c 16	N73-16536* #	NASA-CASE-LAR-11051-1	c 15	N76-14158* #	NASA-CASE-LAR-12016-1	c 39	N78-15512* #
NASA-CASE-LAR-10317-1	c 32	N71-16103* #	NASA-CASE-LAR-11053-1	c 25	N74-18551* #	NASA-CASE-LAR-12018-1	c 20	N78-24275* #
NASA-CASE-LAR-10318-1	c 31	N74-18089* #	NASA-CASE-LAR-11059-1	c 76	N75-12810* #	NASA-CASE-LAR-12019-1	c 24	N78-17150* #
NASA-CASE-LAR-10319-1	c 14	N73-32322* #	NASA-CASE-LAR-11069-1	c 35	N75-12272* #	NASA-CASE-LAR-12027-1	c 39	N79-22537* #
NASA-CASE-LAR-10320-1	c 09	N72-23172* #	NASA-CASE-LAR-11071-1	c 35	N75-19611* #	NASA-CASE-LAR-12045-1	c 34	N77-24423* #
NASA-CASE-LAR-10323-1	c 12	N71-17573* #	NASA-CASE-LAR-11074-1	c 51	N75-13502* #	NASA-CASE-LAR-12046-1	c 25	N78-15210* #
NASA-CASE-LAR-10337-1	c 24	N75-30260* #	NASA-CASE-LAR-11110-1	c 34	N75-26282* #	NASA-CASE-LAR-12052-1	c 18	N81-29152* #
NASA-CASE-LAR-10348-1	c 11	N73-12264* #	NASA-CASE-LAR-11112-1	c 32	N76-15330* #	NASA-CASE-LAR-12054-1	c 27	N79-33316* #
NASA-CASE-LAR-10365-1	c 05	N72-27102* #	NASA-CASE-LAR-11138	c 12	N71-20436* #	NASA-CASE-LAR-12054-2	c 27	N81-14078* #
NASA-CASE-LAR-10372	c 09	N71-18599* #	NASA-CASE-LAR-11139-1	c 35	N74-32878* #	NASA-CASE-LAR-12065-1	c 24	N81-14000* #
NASA-CASE-LAR-10373-1	c 18	N71-26155* #	NASA-CASE-LAR-11141-1	c 07	N74-32418* #	NASA-CASE-LAR-12065-2	c 24	N81-33235* #
NASA-CASE-LAR-10385-2	c 70	N74-13436* #	NASA-CASE-LAR-11144-1	c 25	N75-26043* #	NASA-CASE-LAR-12077-1	c 31	N81-25259* #
NASA-CASE-LAR-10385-3	c 74	N78-15879* #	NASA-CASE-LAR-11155-1	c 35	N74-15091* #	NASA-CASE-LAR-12095-1	c 31	N81-25258* #
NASA-CASE-LAR-10403	c 21	N71-11766* #	NASA-CASE-LAR-11173-1	c 35	N75-19614* #	NASA-CASE-LAR-12099-1	c 27	N80-18158* #
NASA-CASE-LAR-10409-1	c 31	N74-21059* #	NASA-CASE-LAR-11201-1	c 35	N78-24515* #	NASA-CASE-LAR-12106-1	c 71	N78-14867* #
NASA-CASE-LAR-10416-1	c 24	N74-30001* #	NASA-CASE-LAR-11207-1	c 35	N75-19613* #	NASA-CASE-LAR-12147-1	c 31	N79-11246* #
NASA-CASE-LAR-10423-1	c 23	N82-29358* #	NASA-CASE-LAR-11208-1	c 44	N78-32539* #	NASA-CASE-LAR-12148-1	c 44	N82-24640* #
NASA-CASE-LAR-10426-1	c 09	N74-19528* #	NASA-CASE-LAR-11211-1	c 37	N75-12326* #	NASA-CASE-LAR-12149-2	c 09	N79-31228* #
NASA-CASE-LAR-10439-1	c 33	N73-27796* #	NASA-CASE-LAR-11213-1	c 35	N75-15014* #	NASA-CASE-LAR-12175-1	c 05	N82-28279* #
NASA-CASE-LAR-10440-1	c 14	N73-32323* #	NASA-CASE-LAR-11224-1	c 37	N76-18456* #	NASA-CASE-LAR-12176-1	c 36	N80-16321* #
NASA-CASE-LAR-10450-1	c 37	N74-27905* #	NASA-CASE-LAR-11237-1	c 35	N75-19612* #	NASA-CASE-LAR-12177-1	c 36	N81-24422* #
NASA-CASE-LAR-10483-1	c 14	N73-32327* #	NASA-CASE-LAR-11252-1	c 05	N75-25914* #	NASA-CASE-LAR-12178-1	c 74	N80-21138* #
NASA-CASE-LAR-10489-1	c 31	N74-18124* #	NASA-CASE-LAR-11263-1	c 35	N73-33369* #	NASA-CASE-LAR-12181-1	c 27	N78-17205* #
NASA-CASE-LAR-10489-2	c 31	N74-32920* #	NASA-CASE-LAR-11310-1	c 07	N77-28118* #	NASA-CASE-LAR-12183-1	c 36	N79-18307* #
NASA-CASE-LAR-10496-1	c 14	N72-22437* #	NASA-CASE-LAR-11326-1	c 35	N75-33368* #	NASA-CASE-LAR-12195-1	c 31	N81-27324* #
NASA-CASE-LAR-10503-1	c 09	N72-21248* #	NASA-CASE-LAR-11341-1	c 36	N75-19655* #	NASA-CASE-LAR-12196-1	c 33	N81-26358* #
NASA-CASE-LAR-10507-1	c 11	N72-25284* #	NASA-CASE-LAR-11352-1	c 35	N75-26245* #	NASA-CASE-LAR-12205-1	c 44	N80-20810* #
NASA-CASE-LAR-10511-1	c 09	N72-29172* #	NASA-CASE-LAR-11354-1	c 35	N75-27330* #	NASA-CASE-LAR-12215-1	c 08	N79-23097* #
NASA-CASE-LAR-10513-1	c 07	N72-25170* #	NASA-CASE-LAR-11361-1	c 44	N77-22607* #	NASA-CASE-LAR-12230-1	c 35	N79-14347* #
NASA-CASE-LAR-10523-1	c 14	N72-22444* #	NASA-CASE-LAR-11370-1	c 35	N80-28686* #	NASA-CASE-LAR-12250-1	c 14	N81-26161* #
NASA-CASE-LAR-10539-1	c 17	N73-12547* #	NASA-CASE-LAR-11387-1	c 04	N76-20114* #	NASA-CASE-LAR-12251-1	c 74	N79-14892* #
NASA-CASE-LAR-10541-1	c 15	N72-32487* #	NASA-CASE-LAR-11387-2	c 04	N77-19056* #	NASA-CASE-LAR-12251-1	c 74	N80-27185* #
NASA-CASE-LAR-10544-1	c 37	N74-13178* #	NASA-CASE-LAR-11389-1	c 33	N77-26387* #	NASA-CASE-LAR-12260-1	c 35	N79-10390* #
NASA-CASE-LAR-10545-1	c 09	N72-21244* #	NASA-CASE-LAR-11390-1	c 32	N77-21267* #	NASA-CASE-LAR-12261-1	c 02	N80-20224* #
NASA-CASE-LAR-10546-1	c 11	N72-25287* #	NASA-CASE-LAR-11397-1	c 27	N75-29263* #	NASA-CASE-LAR-12264-1	c 15	N78-32168* #
NASA-CASE-LAR-10547-1	c 31	N74-13177* #	NASA-CASE-LAR-11405-1	c 45	N76-31714* #	NASA-CASE-LAR-12268-1	c 08	N81-24106* #
NASA-CASE-LAR-10549-1	c 31	N73-13898* #	NASA-CASE-LAR-11428-1	c 35	N74-34857* #	NASA-CASE-LAR-12269-1	c 35	N80-18358* #
NASA-CASE-LAR-10550-1	c 09	N74-30597* #	NASA-CASE-LAR-11434-1	c 35	N76-22509* #	NASA-CASE-LAR-12275-1	c 35	N79-18296* #
NASA-CASE-LAR-10551-1	c 25	N74-12813* #	NASA-CASE-LAR-11435-1	c 35	N76-15432* #	NASA-CASE-LAR-12285-1	c 35	N80-28687* #
NASA-CASE-LAR-10557	c 02	N72-11018* #	NASA-CASE-LAR-11458-1	c 35	N76-16392* #	NASA-CASE-LAR-12304-1	c 35	N80-20559* #
NASA-CASE-LAR-10574-1	c 11	N73-13257* #	NASA-CASE-LAR-11465-1	c 37	N76-21554* #	NASA-CASE-LAR-12308-1	c 35	N81-29407* #
NASA-CASE-LAR-10578-1	c 12	N73-25262* #	NASA-CASE-LAR-11476-1	c 07	N76-27232* #	NASA-CASE-LAR-12315-1	c 37	N82-24490* #
NASA-CASE-LAR-10585-1	c 02	N76-22154* #	NASA-CASE-LAR-11490-1	c 39	N78-16387* #	NASA-CASE-LAR-12320-1	c 54	N81-27806* #
NASA-CASE-LAR-10586-1	c 19	N74-15089* #	NASA-CASE-LAR-11500-1	c 35	N76-24523* #	NASA-CASE-LAR-12321-1	c 35	N82-24470* #
NASA-CASE-LAR-10590-1	c 15	N70-26819* #	NASA-CASE-LAR-11549-1	c 37	N77-11397* #	NASA-CASE-LAR-12326-1	c 02	N81-14968* #

REPORT NUMBER INDEX

NASA-CASE-LEW-12441-2

NASA-CASE-LAR-12328-1	c 36	N82-32712* #	NASA-CASE-LAR-12971-1	c 47	N83-14863* #	NASA-CASE-LEW-11387-1	c 37	N74-18128* #
NASA-CASE-LAR-12344-1	c 43	N80-18498* #	NASA-CASE-LAR-12979-1	c 02	N83-29173* #	NASA-CASE-LEW-11388-1	c 15	N73-32358* #
NASA-CASE-LAR-12361-1	c 37	N83-19091* #	NASA-CASE-LAR-12980-1	c 27	N83-21143* #	NASA-CASE-LEW-11388-2	c 37	N74-21055* #
NASA-CASE-LAR-12363-1	c 35	N82-31659* #	NASA-CASE-LAR-12995-1	c 71	N83-15044* #	NASA-CASE-LEW-11390-2	c 25	N76-27383* #
NASA-CASE-LAR-12363-2	c 33	N83-24763* #	NASA-CASE-LAR-13006-1	c 17	N83-20995* #	NASA-CASE-LEW-11390-3	c 25	N76-29379* #
NASA-CASE-LAR-12372-1	c 37	N82-18801* #	NASA-CASE-LAR-13009-1	c 37	N83-29706* #	NASA-CASE-LEW-11402-1	c 07	N74-28226* #
NASA-CASE-LAR-12375-1	c 32	N79-24203* #	NASA-CASE-LAR-13014-1	c 28	N83-35159* #	NASA-CASE-LEW-11484-1	c 24	N75-33181* #
NASA-CASE-LAR-12393-1	c 34	N83-34221* #	NASA-CASE-LAR-13053-1	c 43	N83-29783* #	NASA-CASE-LEW-11496-1	c 44	N74-14560* #
NASA-CASE-LAR-12396-1	c 02	N79-24958* #	NASA-CASE-LAR-13065-1	c 74	N83-25539* #	NASA-CASE-LEW-11531	c 15	N71-14932* #
NASA-CASE-LAR-12406-1	c 05	N81-26114* #	NASA-CASE-LAR-13076-1	c 05	N83-34934* #	NASA-CASE-LEW-11549-1	c 44	N77-19571* #
NASA-CASE-LAR-12412-1	c 08	N82-24205* #	NASA-CASE-LAR-13098-1	c 31	N83-35178* #	NASA-CASE-LEW-11569-1	c 07	N74-15453* #
NASA-CASE-LAR-12441-1	c 09	N82-23254* #	NASA-CASE-LAR-13181-1	c 33	N83-29591* #	NASA-CASE-LEW-11573-1	c 26	N77-28265* #
NASA-CASE-LAR-12443-1	c 74	N82-19030* #				NASA-CASE-LEW-11581-1	c 54	N75-13531* #
NASA-CASE-LAR-12458-1	c 44	N83-21503* #	NASA-CASE-LEW-10106-1	c 28	N71-26642* #	NASA-CASE-LEW-11583-1	c 35	N79-17192* #
NASA-CASE-LAR-12465-1	c 33	N82-26572* #	NASA-CASE-LEW-10155-1	c 09	N71-29035* #	NASA-CASE-LEW-11593-1	c 20	N76-14190* #
NASA-CASE-LAR-12468-1	c 08	N82-32373* #	NASA-CASE-LEW-10199-1	c 27	N74-23125* #	NASA-CASE-LEW-11617-1	c 33	N74-10195* #
NASA-CASE-LAR-12469-1	c 35	N83-21311* #	NASA-CASE-LEW-10210-1	c 28	N71-26781* #	NASA-CASE-LEW-11632-2	c 35	N75-13213* #
NASA-CASE-LAR-12471-1	c 52	N82-29862* #	NASA-CASE-LEW-10219-1	c 18	N71-28729* #	NASA-CASE-LEW-11646-1	c 20	N74-31269* #
NASA-CASE-LAR-12474-1	c 35	N82-26628* #	NASA-CASE-LEW-10233	c 10	N71-27126* #	NASA-CASE-LEW-11669-1	c 05	N73-27062* #
NASA-CASE-LAR-12482-1	c 37	N82-32732* #	NASA-CASE-LEW-10250-1	c 22	N71-28759* #	NASA-CASE-LEW-11672-1	c 37	N74-27904* #
NASA-CASE-LAR-12495-1	c 44	N83-28573* #	NASA-CASE-LEW-10278-1	c 15	N71-28582* #	NASA-CASE-LEW-11676-1	c 37	N76-22541* #
NASA-CASE-LAR-12513-1	c 44	N82-32841* #	NASA-CASE-LEW-10281-1	c 14	N72-17327* #	NASA-CASE-LEW-11694-1	c 20	N75-18310* #
NASA-CASE-LAR-12520-1	c 51	N81-28698* #	NASA-CASE-LEW-10286-1	c 28	N71-28915* #	NASA-CASE-LEW-11694-2	c 37	N76-14461* #
NASA-CASE-LAR-12531-1	c 35	N83-29651* #	NASA-CASE-LEW-10326-3	c 37	N74-10474* #	NASA-CASE-LEW-11696-1	c 37	N75-13261* #
NASA-CASE-LAR-12532-1	c 09	N82-11088* #	NASA-CASE-LEW-10327	c 17	N71-33408* #	NASA-CASE-LEW-11698-2	c 26	N75-19408* #
NASA-CASE-LAR-12540-2	c 27	N82-24345* #	NASA-CASE-LEW-10330-1	c 09	N72-27226* #	NASA-CASE-LEW-11726-1	c 26	N73-26752* #
NASA-CASE-LAR-12541-1	c 05	N82-18203* #	NASA-CASE-LEW-10345-1	c 10	N71-25899* #	NASA-CASE-LEW-11855-1	c 07	N78-25090* #
NASA-CASE-LAR-12544-1	c 07	N81-27096* #	NASA-CASE-LEW-10359-2	c 33	N72-25911* #	NASA-CASE-LEW-11860-1	c 37	N76-18458* #
NASA-CASE-LAR-12552-1	c 35	N82-11431* #	NASA-CASE-LEW-10359	c 33	N72-25911* #	NASA-CASE-LEW-11866-1	c 72	N76-15860* #
NASA-CASE-LAR-12562-1	c 08	N81-26152* #	NASA-CASE-LEW-10364-1	c 09	N71-13522* #	NASA-CASE-LEW-11873-1	c 37	N79-22475* #
NASA-CASE-LAR-12588-1	c 44	N81-24525* #	NASA-CASE-LEW-10374-1	c 28	N73-13773* #	NASA-CASE-LEW-11876-1	c 20	N76-21276* #
NASA-CASE-LAR-12592-1	c 36	N82-13415* #	NASA-CASE-LEW-10387	c 09	N72-22201* #	NASA-CASE-LEW-11877-1	c 34	N78-27357* #
NASA-CASE-LAR-12595-1	c 33	N82-26571* #	NASA-CASE-LEW-10393-1	c 17	N71-15468* #	NASA-CASE-LEW-11881-1	c 33	N77-17354* #
NASA-CASE-LAR-12602-1	c 39	N83-32081* #	NASA-CASE-LEW-10424-2-2	c 18	N72-25539* #	NASA-CASE-LEW-11890-1	c 05	N79-24976* #
NASA-CASE-LAR-12615-1	c 05	N81-32138* #	NASA-CASE-LEW-10433-1	c 09	N72-22197* #	NASA-CASE-LEW-11915-1	c 35	N76-14431* #
NASA-CASE-LAR-12615-1	c 02	N83-19715* #	NASA-CASE-LEW-10436-1	c 17	N73-32415* #	NASA-CASE-LEW-11925-1	c 37	N75-31448* #
NASA-CASE-LAR-12620-1	c 24	N82-32417* #	NASA-CASE-LEW-10450-1	c 15	N72-25448* #	NASA-CASE-LEW-11930-1	c 24	N76-22309* #
NASA-CASE-LAR-12624-1	c 01	N83-35992* #	NASA-CASE-LEW-10489-1	c 15	N72-25447* #	NASA-CASE-LEW-11930-3	c 24	N80-33482* #
NASA-CASE-LAR-12630-1	c 06	N82-29319* #	NASA-CASE-LEW-10518-1	c 24	N72-33681* #	NASA-CASE-LEW-11930-4	c 24	N79-17916* #
NASA-CASE-LAR-12631-1	c 35	N82-18557* #	NASA-CASE-LEW-10518-3	c 25	N78-27226* #	NASA-CASE-LEW-11938-1	c 33	N76-15373* #
NASA-CASE-LAR-12633-1	c 33	N82-24416* #	NASA-CASE-LEW-10533-1	c 15	N73-28515* #	NASA-CASE-LEW-11949-1	c 37	N76-29588* #
NASA-CASE-LAR-12638-1	c 44	N82-24716* #	NASA-CASE-LEW-10533-2	c 37	N74-11300* #	NASA-CASE-LEW-11978-1	c 33	N77-26385* #
NASA-CASE-LAR-12638-1	c 04	N82-26260* #	NASA-CASE-LEW-10689-1	c 28	N71-26173* #	NASA-CASE-LEW-11981-1	c 31	N78-17237* #
NASA-CASE-LAR-12640-1	c 27	N82-11206* #	NASA-CASE-LEW-10698-1	c 37	N74-21063* #	NASA-CASE-LEW-11981-2	c 34	N79-20336* #
NASA-CASE-LAR-12642-1	c 27	N81-29229* #	NASA-CASE-LEW-10770-1	c 28	N72-27707* #	NASA-CASE-LEW-12013-1	c 33	N79-10339* #
NASA-CASE-LAR-12644-1	c 37	N82-29605* #	NASA-CASE-LEW-10794-1	c 06	N72-17093* #	NASA-CASE-LEW-12039-1	c 44	N78-14625* #
NASA-CASE-LAR-12650-1	c 52	N81-29768* #	NASA-CASE-LEW-10805-1	c 15	N73-13465* #	NASA-CASE-LEW-12048-1	c 20	N77-20162* #
NASA-CASE-LAR-12654-1	c 33	N83-36357* #	NASA-CASE-LEW-10805-2	c 37	N74-13179* #	NASA-CASE-LEW-12050-1	c 35	N77-32454* #
NASA-CASE-LAR-12659-1	c 33	N82-26570* #	NASA-CASE-LEW-10805-3	c 26	N74-10521* #	NASA-CASE-LEW-12051-1	c 52	N75-33640* #
NASA-CASE-LAR-12686-1	c 09	N81-27121* #	NASA-CASE-LEW-10814-1	c 28	N70-35422* #	NASA-CASE-LEW-12053-1	c 27	N78-15276* #
NASA-CASE-LAR-12697-1	c 44	N83-28574* #	NASA-CASE-LEW-10835-1	c 28	N72-22771* #	NASA-CASE-LEW-12053-2	c 27	N79-28307* #
NASA-CASE-LAR-12705-1	c 25	N82-26396* #	NASA-CASE-LEW-10856-1	c 15	N72-22490* #	NASA-CASE-LEW-12057-1	c 35	N75-30503* #
NASA-CASE-LAR-12706-1	c 35	N81-19428* #	NASA-CASE-LEW-10874-1	c 17	N72-22535* #	NASA-CASE-LEW-12081-1	c 28	N78-24365* #
NASA-CASE-LAR-12709-1	c 35	N82-28604* #	NASA-CASE-LEW-10906-1	c 25	N74-30502* #	NASA-CASE-LEW-12081-2	c 28	N80-20402* #
NASA-CASE-LAR-12719-1	c 44	N83-34449* #	NASA-CASE-LEW-10920-1	c 17	N73-24569* #	NASA-CASE-LEW-12081-3	c 28	N81-14103* #
NASA-CASE-LAR-12720-1	c 44	N83-21504* #	NASA-CASE-LEW-10950-1	c 33	N74-27683* #	NASA-CASE-LEW-12082-1	c 20	N77-10148* #
NASA-CASE-LAR-12723-1	c 27	N81-15107* #	NASA-CASE-LEW-10965-1	c 15	N72-25452* #	NASA-CASE-LEW-12083-1	c 37	N78-13436* #
NASA-CASE-LAR-12728-1	c 35	N83-32026* #	NASA-CASE-LEW-10981-1	c 35	N74-21018* #	NASA-CASE-LEW-12094-1	c 76	N76-25049* #
NASA-CASE-LAR-12729-1	c 37	N82-26676* #	NASA-CASE-LEW-11005-1	c 09	N72-21243* #	NASA-CASE-LEW-12095-1	c 26	N78-18182* #
NASA-CASE-LAR-12738-1	c 18	N82-33419* #	NASA-CASE-LEW-11015	c 26	N73-32571* #	NASA-CASE-LEW-12118-1	c 24	N77-27188* #
NASA-CASE-LAR-12742-1	c 24	N81-12174* #	NASA-CASE-LEW-11026-1	c 15	N73-33383* #	NASA-CASE-LEW-12119-1	c 37	N80-28711* #
NASA-CASE-LAR-12743-1	c 35	N82-32661* #	NASA-CASE-LEW-11058-1	c 20	N74-13502* #	NASA-CASE-LEW-12119-2	c 37	N81-26447* #
NASA-CASE-LAR-12744-1	c 37	N81-31551* #	NASA-CASE-LEW-11065-2	c 44	N76-14600* #	NASA-CASE-LEW-12131-1	c 37	N79-18318* #
NASA-CASE-LAR-12750-1	c 02	N81-19016* #	NASA-CASE-LEW-11069-1	c 44	N74-14784* #	NASA-CASE-LEW-12131-2	c 37	N80-26658* #
NASA-CASE-LAR-12751-1	c 37	N82-26675* #	NASA-CASE-LEW-11072-1	c 14	N73-24472* #	NASA-CASE-LEW-12131-3	c 37	N82-19540* #
NASA-CASE-LAR-12772-1	c 33	N83-16626* #	NASA-CASE-LEW-11072-2	c 35	N76-15434* #	NASA-CASE-LEW-12137-1	c 25	N78-10224* #
NASA-CASE-LAR-12774-1	c 35	N83-29654* #	NASA-CASE-LEW-11076-1	c 37	N74-21061* #	NASA-CASE-LEW-12159-1	c 44	N78-19599* #
NASA-CASE-LAR-12775-1	c 27	N83-28240* #	NASA-CASE-LEW-11076-2	c 37	N74-32921* #	NASA-CASE-LEW-12164-1	c 36	N77-32478* #
NASA-CASE-LAR-12775	c 27	N83-29390* #	NASA-CASE-LEW-11076-3	c 37	N75-30562* #	NASA-CASE-LEW-12174-2	c 35	N79-14346* #
NASA-CASE-LAR-12785-1	c 34	N82-24448* #	NASA-CASE-LEW-11076-4	c 37	N76-15461* #	NASA-CASE-LEW-12185-1	c 44	N78-25528* #
NASA-CASE-LAR-12786-1	c 37	N82-20545* #	NASA-CASE-LEW-11087-1	c 15	N73-30458* #	NASA-CASE-LEW-12217-1	c 43	N78-14452* #
NASA-CASE-LAR-12787-1	c 05	N82-25240* #	NASA-CASE-LEW-11087-2	c 37	N74-15128* #	NASA-CASE-LEW-12220-1	c 44	N77-14581* #
NASA-CASE-LAR-12801-1	c 37	N82-20544* #	NASA-CASE-LEW-11087-3	c 37	N74-21064* #	NASA-CASE-LEW-12232-1	c 07	N79-10057* #
NASA-CASE-LAR-12838-1	c 27	N83-34040* #	NASA-CASE-LEW-11101-1	c 31	N73-32750* #	NASA-CASE-LEW-12236-2	c 44	N79-14528* #
NASA-CASE-LAR-12843-1	c 05	N82-33372* #	NASA-CASE-LEW-11118-1	c 20	N74-32919* #	NASA-CASE-LEW-12251-1	c 26	N77-20201* #
NASA-CASE-LAR-12847-1	c 33	N83-16633* #	NASA-CASE-LEW-11118-2	c 20	N76-14191* #	NASA-CASE-LEW-12252-1	c 34	N79-13288* #
NASA-CASE-LAR-12858-1	c 27	N83-34041* #	NASA-CASE-LEW-11152-1	c 15	N73-32359* #	NASA-CASE-LEW-12253-1	c 74	N83-19596* #
NASA-CASE-LAR-12858-2	c 27	N83-29391* #	NASA-CASE-LEW-11158-1	c 37	N77-28486* #	NASA-CASE-LEW-12258-1	c 52	N77-28716* #
NASA-CASE-LAR-12862-1	c 24	N83-17602* #	NASA-CASE-LEW-11159-1	c 14	N73-28488* #	NASA-CASE-LEW-12270-1	c 26	N77-32280* #
NASA-CASE-LAR-12864-1	c 37	N82-29606* #	NASA-CASE-LEW-11162-1	c 33	N74-12913* #	NASA-CASE-LEW-12274-1	c 37	N80-31790* #
NASA-CASE-LAR-12868-1	c 27	N82-18390* #	NASA-CASE-LEW-11169-1	c 37	N76-23570* #	NASA-CASE-LEW-12296-1	c 33	N80-19425* #
NASA-CASE-LAR-12870-1	c 36	N82-25497* #	NASA-CASE-LEW-11179-1	c 27	N76-16229* #	NASA-CASE-LEW-12296-2	c 33	N82-26568* #
NASA-CASE-LAR-12875-1	c 37	N83-20156* #	NASA-CASE-LEW-11180-1	c 25	N73-25760* #	NASA-CASE-LEW-12312-1	c 07	N77-32148* #
NASA-CASE-LAR-12881-1	c 27	N82-26464* #	NASA-CASE-LEW-11187-1	c 28	N73-19793* #	NASA-CASE-LEW-12313-1	c 37	N78-10468* #
NASA-CASE-LAR-12882-1	c 54	N81-31848* #	NASA-CASE-LEW-11188-1	c 02	N74-20646* #	NASA-CASE-LEW-12317-1	c 07	N78-17055* #
NASA-CASE-LAR-12883-1	c 71	N81-17235* #	NASA-CASE-LEW-11192-1	c 09	N73-13208* #	NASA-CASE-LEW-12321-1	c 37	N78-10467* #
NASA-CASE-LAR-12884-1	c 31	N83-29446* #	NASA-CASE-LEW-11227-1	c 73	N75-30876* #	NASA-CASE-LEW-12358-1	c 44	N79-17313* #
NASA-CASE-LAR-12893-1	c 33	N82-26573* #	NASA-CASE-LEW-11262-1	c 27	N74-13270* #	NASA-CASE-LEW-12358-2	c 25	N82-21268* #
NASA-CASE-LAR-12894-1	c 27	N83-34044* #	NASA-CASE-LEW-11267-1	c 17	N73-32414* #	NASA-CASE-LEW-12364-1	c 44	N77-22606* #
NASA-CASE-LAR-12923-1	c 44	N82-29713* #	NASA-CASE-LEW-11274-1	c 37	N75-21631* #	NASA-CASE-LEW-12378-1	c 07	N79-14097* #
NASA-CASE-LAR-12931-1	c 23	N83-17590* #	NASA-CASE-LEW-11286-1	c 07	N74-27490* #	NASA-CASE-LEW-12389-2	c 07	N78-18066* #
NASA-CASE-LAR-12950-1	c 09	N83-25727* #	NASA-CASE-LEW-11325-1	c 06	N73-27980* #	NASA-CASE-LEW-12389-3	c 07	N79-14096* #
NASA-CASE-LAR-12958-1	c 44	N83-18025* #	NASA-CASE-LEW-11326-1	c 23	N73-30665* #	NASA-CASE-LEW-12390-1	c 07	N78-17056* #
NASA-CASE-LAR-12966-1	c 71	N83-12969* #	NASA-CASE-LEW-11358	c 03	N71-26084* #	NASA-CASE-LEW-12419-1	c 07	N77-14025* #
NASA-CASE-LAR-12967-1								

NASA-CASE-LEW-12441-3	c 44	N81-24519* #	NASA-CASE-LEW-13268-1	c 27	N82-29453* #	NASA-CASE-MFS-14405	c 15	N72-28495* #
NASA-CASE-LEW-12443-1	c 44	N83-32175* #	NASA-CASE-LEW-13268-2	c 37	N82-26674* #	NASA-CASE-MFS-14610	c 09	N71-28886* #
NASA-CASE-LEW-12444-1	c 33	N77-28385* #	NASA-CASE-LEW-13268-3	c 37	N83-28450* #	NASA-CASE-MFS-14671	c 05	N71-12341* #
NASA-CASE-LEW-12445-1	c 37	N81-22360* #	NASA-CASE-LEW-13269-1	c 18	N83-20996* #	NASA-CASE-MFS-14685	c 31	N71-15689* #
NASA-CASE-LEW-12452-1	c 07	N78-25089* #	NASA-CASE-LEW-13269-2	c 27	N83-17714* #	NASA-CASE-MFS-14710	c 09	N72-22195* #
NASA-CASE-LEW-12465-1	c 25	N78-25148* #	NASA-CASE-LEW-13282-1	c 33	N82-24415* #	NASA-CASE-MFS-14711	c 15	N71-26185* #
NASA-CASE-LEW-12477-1	c 37	N77-32501* #	NASA-CASE-LEW-13286-1	c 44	N81-27597* #	NASA-CASE-MFS-14741	c 09	N70-20737* #
NASA-CASE-LEW-12493-1	c 24	N81-17170* #	NASA-CASE-LEW-13324-1	c 26	N82-26431* #	NASA-CASE-MFS-14772	c 15	N71-17692* #
NASA-CASE-LEW-12493-2	c 24	N81-26179* #	NASA-CASE-LEW-13324-2	c 26	N83-34014* #	NASA-CASE-MFS-14971	c 15	N71-24984* #
NASA-CASE-LEW-12496-1	c 07	N78-33101* #	NASA-CASE-LEW-13339-1	c 26	N82-31505* #	NASA-CASE-MFS-15063	c 14	N72-25412* #
NASA-CASE-LEW-12508-1	c 34	N78-17335* #	NASA-CASE-LEW-13343-1	c 27	N82-28441* #	NASA-CASE-MFS-15162	c 14	N72-32452* #
NASA-CASE-LEW-12508-3	c 34	N83-29625* #	NASA-CASE-LEW-13343-2	c 26	N83-31795* #	NASA-CASE-MFS-15218-1	c 37	N77-19457* #
NASA-CASE-LEW-12513-1	c 25	N79-22235* #	NASA-CASE-LEW-13349-1	c 44	N82-22673* #	NASA-CASE-MFS-15670-1	c 33	N82-33634* #
NASA-CASE-LEW-12527-1	c 37	N77-32500* #	NASA-CASE-LEW-1335901	c 27	N83-31855* #	NASA-CASE-MFS-15791-1	c 37	N82-33712* #
NASA-CASE-LEW-12541-1	c 44	N78-25529* #	NASA-CASE-LEW-13400-1	c 44	N82-31764* #	NASA-CASE-MFS-16570-1	c 05	N72-11592* #
NASA-CASE-LEW-12542-2	c 26	N79-22271* #	NASA-CASE-LEW-13401-1	c 44	N82-29709* #	NASA-CASE-MFS-16609-3	c 03	N76-32140* #
NASA-CASE-LEW-12542-3	c 26	N80-32484* #	NASA-CASE-LEW-13401-2	c 44	N83-32177* #	NASA-CASE-MFS-18100	c 15	N72-11390* #
NASA-CASE-LEW-12550-1	c 24	N77-19170* #	NASA-CASE-LEW-13414-1	c 44	N83-20374* #	NASA-CASE-MFS-18495	c 15	N72-11385* #
NASA-CASE-LEW-12552-1	c 44	N78-25527* #	NASA-CASE-LEW-13426-1	c 44	N82-31769* #	NASA-CASE-MFS-19193-1	c 37	N75-19686* #
NASA-CASE-LEW-12552-2	c 44	N79-11472* #	NASA-CASE-LEW-13429-1	c 33	N83-31952* #	NASA-CASE-MFS-19194-1	c 37	N76-14460* #
NASA-CASE-LEW-12554-1	c 34	N78-18355* #	NASA-CASE-LEW-13445-2	c 37	N83-17883* #	NASA-CASE-MFS-19220-1	c 20	N76-22296* #
NASA-CASE-LEW-12569-1	c 37	N79-10418* #	NASA-CASE-LEW-13450-1	c 31	N83-35177* #	NASA-CASE-MFS-19259-1	c 36	N78-14380* #
NASA-CASE-LEW-12582-1	c 76	N83-34796* #	NASA-CASE-LEW-13495-1	c 33	N82-24432* #	NASA-CASE-MFS-19287-1	c 34	N77-30399* #
NASA-CASE-LEW-12586-1	c 44	N80-14472* #	NASA-CASE-LEW-13504-1	c 25	N83-31888* #	NASA-CASE-MFS-20011	c 18	N72-22566* #
NASA-CASE-LEW-12587-1	c 44	N77-31601* #	NASA-CASE-LEW-13524-1	c 34	N83-30957* #	NASA-CASE-MFS-20044	c 14	N71-28993* #
NASA-CASE-LEW-12590-1	c 25	N81-19245* #	NASA-CASE-LEW-13526-1	c 26	N82-22347* #	NASA-CASE-MFS-20068	c 07	N77-27191* #
NASA-CASE-LEW-12594-2	c 07	N81-19116* #	NASA-CASE-LEW-13556-1	c 44	N81-27615* #	NASA-CASE-MFS-20074	c 16	N71-15565* #
NASA-CASE-LEW-12608-1	c 07	N77-27116* #	NASA-CASE-LEW-13556-2	c 44	N83-29805* #	NASA-CASE-MFS-20075	c 09	N71-26133* #
NASA-CASE-LEW-12619-1	c 24	N77-19171* #	NASA-CASE-LEW-13570-1	c 33	N81-24348* #	NASA-CASE-MFS-20095	c 24	N72-11595* #
NASA-CASE-LEW-12649-1	c 44	N78-25530* #	NASA-CASE-LEW-13598-1	c 31	N83-17745* #	NASA-CASE-MFS-20096	c 14	N71-30026* #
NASA-CASE-LEW-12658-1	c 71	N79-14871* #	NASA-CASE-LEW-13609-1	c 25	N83-17628* #	NASA-CASE-MFS-20125	c 16	N72-13437* #
NASA-CASE-LEW-12661-1	c 35	N79-14345* #	NASA-CASE-LEW-13620-1	c 44	N83-13579* #	NASA-CASE-MFS-20130	c 28	N71-27585* #
NASA-CASE-LEW-12668-1	c 52	N78-14773* #	NASA-CASE-LEW-13622-1	c 07	N82-26294* #	NASA-CASE-MFS-20180	c 16	N72-12440* #
NASA-CASE-LEW-12718-1	c 34	N78-25351* #	NASA-CASE-LEW-13639-1	c 27	N82-33522* #	NASA-CASE-MFS-20207-1	c 09	N73-32107* #
NASA-CASE-LEW-12723-1	c 52	N80-18690* #	NASA-CASE-LEW-13639-2	c 26	N83-17683* #	NASA-CASE-MFS-20240	c 14	N71-26798* #
NASA-CASE-LEW-12760-1	c 07	N77-17059* #	NASA-CASE-LEW-13653-1	c 44	N82-22672* #	NASA-CASE-MFS-20242	c 14	N73-19421* #
NASA-CASE-LEW-12775-1	c 44	N79-11468* #	NASA-CASE-LEW-13654-1	c 07	N83-14129* #	NASA-CASE-MFS-20243	c 23	N73-13662* #
NASA-CASE-LEW-12780-1	c 20	N79-20179* #	NASA-CASE-LEW-13717-1	c 39	N83-20284* #	NASA-CASE-MFS-20247	c 15	N72-11386* #
NASA-CASE-LEW-12785-1	c 37	N78-24545* #	NASA-CASE-LEW-13736-1	c 33	N83-17802* #	NASA-CASE-MFS-20261	c 14	N71-27005* #
NASA-CASE-LEW-12791-1	c 33	N78-23241* #	NASA-CASE-LEW-13758-1	c 24	N83-12176* #	NASA-CASE-MFS-20284-1	c 52	N74-12778* #
NASA-CASE-LEW-12793-1	c 37	N79-11403* #	NASA-CASE-LEW-13770-1	c 27	N83-13258* #	NASA-CASE-MFS-20299	c 15	N72-11392* #
NASA-CASE-LEW-12806-2	c 44	N81-12542* #	NASA-CASE-LEW-13770-2	c 27	N83-30651* #	NASA-CASE-MFS-20317	c 15	N73-13463* #
NASA-CASE-LEW-12819-1	c 44	N79-11467* #	NASA-CASE-LEW-13773-1	c 05	N83-29197* #	NASA-CASE-MFS-20325	c 28	N71-27095* #
NASA-CASE-LEW-12819-2	c 44	N79-18444* #	NASA-CASE-LEW-13826-1	c 24	N82-26385* #	NASA-CASE-MFS-20332-2	c 05	N73-25125* #
NASA-CASE-LEW-12830-1	c 07	N77-23106* #	NASA-CASE-LEW-13827-1	c 44	N82-26258* #	NASA-CASE-MFS-20332	c 05	N72-20097* #
NASA-CASE-LEW-12876-2	c 27	N83-29392* #	NASA-CASE-LEW-13833-1	c 33	N83-25983* #	NASA-CASE-MFS-20333	c 09	N71-13466* #
NASA-CASE-LEW-12892-1	c 44	N83-14692* #	NASA-CASE-LEW-13834-1	c 26	N83-24639* #	NASA-CASE-MFS-20335-1	c 35	N74-10415* #
NASA-CASE-LEW-12905-1	c 26	N78-18183* #	NASA-CASE-LEW-13837-1	c 24	N83-28095* #	NASA-CASE-MFS-20355	c 33	N71-25353* #
NASA-CASE-LEW-12906-1	c 26	N77-32279* #	NASA-CASE-LEW-13864-1	c 27	N83-17715* #	NASA-CASE-MFS-20385	c 09	N71-24904* #
NASA-CASE-LEW-12907-2	c 07	N81-19115* #	NASA-CASE-LEW-13881-1	c 72	N83-21903* #	NASA-CASE-MFS-20386	c 21	N71-19212* #
NASA-CASE-LEW-12916-1	c 37	N78-17384* #	NASA-CASE-LEW-13893-1	c 32	N83-30832* #	NASA-CASE-MFS-20395	c 15	N71-24903* #
NASA-CASE-LEW-12917-1	c 07	N78-18067* #	NASA-CASE-LEW-13934-1	c 35	N83-35338* #	NASA-CASE-MFS-20400	c 31	N71-18811* #
NASA-CASE-LEW-12918-1	c 44	N81-24521* #	NASA-CASE-LEW-13981-1	c 33	N83-25984* #	NASA-CASE-MFS-20407	c 09	N73-19235* #
NASA-CASE-LEW-12919-1	c 24	N83-10117* #	NASA-CASE-LEW-14586-1	c 07	N83-31603* #	NASA-CASE-MFS-20408	c 18	N73-12604* #
NASA-CASE-LEW-12919-2	c 24	N82-26386* #	NASA-CASE-LEW-23169-2	c 26	N81-16209* #	NASA-CASE-MFS-20410	c 15	N71-19214* #
NASA-CASE-LEW-12933-1	c 27	N81-19296* #				NASA-CASE-MFS-20413	c 15	N72-21463* #
NASA-CASE-LEW-12938-1	c 07	N82-32366* #	NASA-CASE-MFS-06074	c 15	N71-20393* #	NASA-CASE-MFS-20418	c 14	N73-24473* #
NASA-CASE-LEW-12940-1	c 72	N80-33186* #	NASA-CASE-MFS-07369	c 15	N71-20443* #	NASA-CASE-MFS-20423	c 15	N72-11388* #
NASA-CASE-LEW-12941-1	c 26	N83-10170* #	NASA-CASE-MFS-10068	c 10	N71-25139* #	NASA-CASE-MFS-20433	c 15	N72-28496* #
NASA-CASE-LEW-12950-1	c 34	N82-11399* #	NASA-CASE-MFS-10340	c 15	N71-17628* #	NASA-CASE-MFS-20434	c 11	N72-25288* #
NASA-CASE-LEW-12950-2	c 44	N83-29804* #	NASA-CASE-MFS-10412	c 12	N71-17578* #	NASA-CASE-MFS-20453	c 15	N71-29133* #
NASA-CASE-LEW-12955-1	c 52	N80-14684* #	NASA-CASE-MFS-10506	c 06	N73-30100* #	NASA-CASE-MFS-20482	c 15	N72-22492* #
NASA-CASE-LEW-12971-1	c 07	N80-18039* #	NASA-CASE-MFS-10507	c 06	N73-30101* #	NASA-CASE-MFS-20485	c 14	N72-11365* #
NASA-CASE-LEW-12972-1	c 44	N79-25481* #	NASA-CASE-MFS-10509	c 06	N73-30103* #	NASA-CASE-MFS-20486-2	c 27	N74-17283* #
NASA-CASE-LEW-12982-1	c 37	N81-19455* #	NASA-CASE-MFS-10512	c 06	N73-30099* #	NASA-CASE-MFS-20506-1	c 35	N75-12273* #
NASA-CASE-LEW-12989-1	c 37	N82-12442* #	NASA-CASE-MFS-10555	c 11	N71-19494* #	NASA-CASE-MFS-20509	c 11	N72-17183* #
NASA-CASE-LEW-12990-1	c 07	N81-29129* #	NASA-CASE-MFS-10946-1	c 31	N79-21226* #	NASA-CASE-MFS-20523	c 14	N72-27412* #
NASA-CASE-LEW-12991-1	c 37	N81-24442* #	NASA-CASE-MFS-11132	c 15	N71-17649* #	NASA-CASE-MFS-20546-2	c 14	N73-30389* #
NASA-CASE-LEW-12995-1	c 37	N80-26659* #	NASA-CASE-MFS-11133	c 31	N71-16222* #	NASA-CASE-MFS-20586	c 15	N71-17686* #
NASA-CASE-LEW-13027-1	c 27	N80-24437* #	NASA-CASE-MFS-11204	c 14	N71-29134* #	NASA-CASE-MFS-20589	c 25	N72-32688* #
NASA-CASE-LEW-13028-1	c 27	N82-33521* #	NASA-CASE-MFS-11279	c 16	N71-20400* #	NASA-CASE-MFS-20596	c 14	N72-17324* #
NASA-CASE-LEW-13050-1	c 07	N79-14095* #	NASA-CASE-MFS-11492	c 06	N73-30102* #	NASA-CASE-MFS-20607-1	c 37	N76-19436* #
NASA-CASE-LEW-13080-2	c 27	N82-11210* #	NASA-CASE-MFS-11497	c 28	N71-16224* #	NASA-CASE-MFS-20619	c 28	N72-11708* #
NASA-CASE-LEW-13088-1	c 26	N81-25188* #	NASA-CASE-MFS-11537	c 14	N71-20442* #	NASA-CASE-MFS-20620	c 11	N72-27262* #
NASA-CASE-LEW-13101-2	c 23	N81-29160* #	NASA-CASE-MFS-12750	c 27	N71-16223* #	NASA-CASE-MFS-20642	c 14	N72-21407* #
NASA-CASE-LEW-13102-1	c 44	N81-29531* #	NASA-CASE-MFS-12805	c 15	N71-17805* #	NASA-CASE-MFS-20645-1	c 37	N74-23070* #
NASA-CASE-LEW-13103-1	c 27	N80-32516* #	NASA-CASE-MFS-12806	c 14	N71-17588* #	NASA-CASE-MFS-20658-1	c 14	N73-30386* #
NASA-CASE-LEW-13107-1	c 52	N83-21785* #	NASA-CASE-MFS-12827	c 14	N71-17656* #	NASA-CASE-MFS-20673	c 14	N73-20476* #
NASA-CASE-LEW-13107-2	c 52	N83-20539* #	NASA-CASE-MFS-12915	c 11	N71-17600* #	NASA-CASE-MFS-20675	c 26	N73-26751* #
NASA-CASE-LEW-13120-1	c 27	N82-28440* #	NASA-CASE-MFS-13046	c 07	N71-19433* #	NASA-CASE-MFS-20698-2	c 15	N73-19457* #
NASA-CASE-LEW-13131-1	c 44	N83-10494* #	NASA-CASE-MFS-13130	c 10	N72-17173* #	NASA-CASE-MFS-20698	c 15	N72-20446* #
NASA-CASE-LEW-13132-1	c 27	N83-29388* #	NASA-CASE-MFS-13532	c 18	N72-17532* #	NASA-CASE-MFS-20710	c 11	N72-23215* #
NASA-CASE-LEW-13135-2	c 27	N81-24257* #	NASA-CASE-MFS-13686	c 15	N71-18132* #	NASA-CASE-MFS-20730-1	c 39	N74-13131* #
NASA-CASE-LEW-13142-1	c 07	N83-36029* #	NASA-CASE-MFS-13687-2	c 09	N72-22198* #	NASA-CASE-MFS-20757	c 09	N72-28225* #
NASA-CASE-LEW-13148-1	c 33	N80-20487* #	NASA-CASE-MFS-13687	c 09	N71-28691* #	NASA-CASE-MFS-20760	c 14	N72-33377* #
NASA-CASE-LEW-13148-2	c 44	N81-29524* #	NASA-CASE-MFS-13929	c 15	N71-27091* #	NASA-CASE-MFS-20761-1	c 44	N74-27519* #
NASA-CASE-LEW-13150-1	c 44	N79-26474* #	NASA-CASE-MFS-13994-1	c 06	N71-11240* #	NASA-CASE-MFS-20767-1	c 38	N74-15130* #
NASA-CASE-LEW-13169-1	c 26	N82-29415* #	NASA-CASE-MFS-13994-2	c 06	N72-25148* #	NASA-CASE-MFS-20774	c 14	N73-19420* #
NASA-CASE-LEW-13169-2	c 26	N82-30371* #	NASA-CASE-MFS-14017	c 14	N71-26627* #	NASA-CASE-MFS-20775-1	c 31	N72-12161* #
NASA-CASE-LEW-13171-1	c 44	N82-29708* #	NASA-CASE-MFS-14023	c 33	N71-25351* #	NASA-CASE-MFS-20809	c 23	N73-13660* #
NASA-CASE-LEW-13171-2	c 44	N83-32176* #	NASA-CASE-MFS-14114-2	c 09	N71-24807* #	NASA-CASE-MFS-20823-1	c 16	N73-30476* #
NASA-CASE-LEW-13174-1	c 34	N83-27144* #	NASA-CASE-MFS-14114	c 33	N71-27862* #	NASA-CASE-MFS-20829	c 12	N72-21310* #
NASA-CASE-LEW-13199-1	c 07	N82-26293* #	NASA-CASE-MFS-14216	c 14	N73-13418* #	NASA-CASE-MFS-20830	c 15	N71-30028* #
NASA-CASE-LEW-13201-1	c 07	N81-14999* #	NASA-CASE-MFS-14253	c 33	N71-24858* #	NASA-CASE-MFS-20831	c 28	N71-29153* #
NASA-CASE-LEW-13226-1	c 27	N81-17260* #	NASA-CASE-MFS-14259	c 15	N71-19213* #	NASA-CASE-MFS-20855-1	c 15	N77-10112* #
NASA-CASE-LEW-13246-1	c 44	N82-27344* #	NASA-CASE-MFS-14322	c 08	N71-18692* #	NASA-CASE-MFS-20855	c 15	

REPORT NUMBER INDEX

NASA-CASE-MSC-12139-1

NASA-CASE-MFS-20861-1	c 18	N73-32437* #	NASA-CASE-MFS-22537-1	c 35	N75-27328* #	NASA-CASE-MFS-23846-1	c 37	N82-32731* #
NASA-CASE-MFS-20863	c 31	N73-26876* #	NASA-CASE-MFS-22560-1	c 33	N77-14335* #	NASA-CASE-MFS-23862-1	c 48	N80-18667* #
NASA-CASE-MFS-20890	c 14	N72-22439* #	NASA-CASE-MFS-22562-1	c 44	N76-14595* #	NASA-CASE-MFS-23883-1	c 51	N80-16715* #
NASA-CASE-MFS-20916	c 14	N73-25460* #	NASA-CASE-MFS-22597	c 36	N78-17366* #	NASA-CASE-MFS-23923-1	c 35	N81-19426* #
NASA-CASE-MFS-20922-1	c 18	N74-22136* #	NASA-CASE-MFS-22631-1	c 66	N76-19888* #	NASA-CASE-MFS-23981-1	c 07	N83-20944* #
NASA-CASE-MFS-20922	c 31	N72-20840* #	NASA-CASE-MFS-22636-1	c 37	N76-22540* #	NASA-CASE-MFS-23988-1	c 33	N81-27395* #
NASA-CASE-MFS-20932-1	c 35	N75-19616* #	NASA-CASE-MFS-22649-1	c 37	N75-25186* #	NASA-CASE-MFS-23999-1	c 44	N81-24520* #
NASA-CASE-MFS-20935	c 09	N71-34212* #	NASA-CASE-MFS-22671-2	c 35	N71-21582* #	NASA-CASE-MFS-24368-3	c 33	N81-22280* #
NASA-CASE-MFS-20944	c 15	N73-13466* #	NASA-CASE-MFS-22671-2	c 35	N77-17426* #	NASA-CASE-MFS-25000-1	c 25	N81-19242* #
NASA-CASE-MFS-20979-2	c 06	N73-32030* #	NASA-CASE-MFS-22707-1	c 37	N76-15457* #	NASA-CASE-MFS-25050-1	c 71	N81-15767* #
NASA-CASE-MFS-20979	c 06	N72-25151* #	NASA-CASE-MFS-22729-1	c 32	N76-21366* #	NASA-CASE-MFS-25134-1	c 31	N83-31895* #
NASA-CASE-MFS-20994-1	c 35	N75-12271* #	NASA-CASE-MFS-22734-1	c 18	N75-19329* #	NASA-CASE-MFS-25139-1	c 34	N82-13376* #
NASA-CASE-MFS-21010-1	c 05	N73-30078* #	NASA-CASE-MFS-22743-1	c 44	N76-22657* #	NASA-CASE-MFS-25181-1	c 27	N82-24340* #
NASA-CASE-MFS-21040-1	c 06	N73-30098* #	NASA-CASE-MFS-22744-1	c 44	N76-24696* #	NASA-CASE-MFS-25208-1	c 33	N83-10345* #
NASA-CASE-MFS-21042	c 07	N72-25171* #	NASA-CASE-MFS-22749-1	c 44	N76-14601* #	NASA-CASE-MFS-25209-1	c 33	N83-35227* #
NASA-CASE-MFS-21045-1	c 35	N75-15932* #	NASA-CASE-MFS-22758-1	c 70	N75-26789* #	NASA-CASE-MFS-25211-1	c 33	N80-32651* #
NASA-CASE-MFS-21046-1	c 14	N73-27377* #	NASA-CASE-MFS-22787-1	c 15	N77-10113* #	NASA-CASE-MFS-25211-2	c 33	N83-29592* #
NASA-CASE-MFS-21049-1	c 52	N74-27864* #	NASA-CASE-MFS-22905-1	c 19	N76-22284* #	NASA-CASE-MFS-25215-1	c 33	N83-31953* #
NASA-CASE-MFS-21077-1	c 24	N75-28135* #	NASA-CASE-MFS-22906-1	c 75	N78-27913* #	NASA-CASE-MFS-25242-1	c 35	N83-29650* #
NASA-CASE-MFS-21087-1	c 35	N74-17153* #	NASA-CASE-MFS-22907-1	c 26	N76-18257* #	NASA-CASE-MFS-25282-1	c 34	N83-19015* #
NASA-CASE-MFS-21108-1	c 34	N74-27861* #	NASA-CASE-MFS-22926-1	c 24	N77-27187* #	NASA-CASE-MFS-25287-1	c 44	N82-18686* #
NASA-CASE-MFS-21109-1	c 05	N73-27941* #	NASA-CASE-MFS-22938-1	c 34	N76-18374* #	NASA-CASE-MFS-25302-1	c 33	N83-28319* #
NASA-CASE-MFS-21115-1	c 54	N74-12779* #	NASA-CASE-MFS-22991-1	c 34	N77-10463* #	NASA-CASE-MFS-25302-2	c 33	N83-24768* #
NASA-CASE-MFS-21136-1	c 35	N74-18323* #	NASA-CASE-MFS-23001-1	c 76	N77-32919* #	NASA-CASE-MFS-25306-1	c 25	N83-13167* #
NASA-CASE-MFS-21163-1	c 54	N74-17853* #	NASA-CASE-MFS-23008-1	c 35	N78-18390* #	NASA-CASE-MFS-25312-1	c 74	N83-17305* #
NASA-CASE-MFS-21214-1	c 09	N73-30181* #	NASA-CASE-MFS-23047-1	c 37	N76-18454* #	NASA-CASE-MFS-25315-1	c 36	N83-29680* #
NASA-CASE-MFS-21233-1	c 38	N74-15395* #	NASA-CASE-MFS-23051-1	c 37	N79-10422* #	NASA-CASE-MFS-25319-1	c 64	N83-12932* #
NASA-CASE-MFS-21244-1	c 36	N75-15028* #	NASA-CASE-MFS-23052-2	c 74	N79-13855* #	NASA-CASE-MFS-25323-1	c 33	N82-12349* #
NASA-CASE-MFS-21309-1	c 37	N74-18125* #	NASA-CASE-MFS-23059-1	c 44	N76-27684* #	NASA-CASE-MFS-25363-1	c 37	N82-12441* #
NASA-CASE-MFS-21311-1	c 20	N76-21275* #	NASA-CASE-MFS-23082-1	c 37	N77-12402* #	NASA-CASE-MFS-25403-1	c 18	N83-28303* #
NASA-CASE-MFS-21362	c 11	N73-20267* #	NASA-CASE-MFS-23074-1	c 54	N77-21844* #	NASA-CASE-MFS-25405-1	c 35	N81-27459* #
NASA-CASE-MFS-21364-1	c 37	N74-18126* #	NASA-CASE-MFS-23088-1	c 37	N77-23483* #	NASA-CASE-MFS-25426-1	c 25	N83-10126* #
NASA-CASE-MFS-21372-1	c 74	N74-27868* #	NASA-CASE-MFS-23099-1	c 09	N76-23273* #	NASA-CASE-MFS-25430-1	c 33	N82-28550* #
NASA-CASE-MFS-21374-1	c 33	N74-12951* #	NASA-CASE-MFS-23114-1	c 38	N78-32447* #	NASA-CASE-MFS-25436-1	c 27	N83-38220* #
NASA-CASE-MFS-21394-1	c 34	N74-27744* #	NASA-CASE-MFS-23118-1	c 35	N77-31485* #	NASA-CASE-MFS-25477-1	c 33	N82-22437* #
NASA-CASE-MFS-21395-1	c 25	N74-26948* #	NASA-CASE-MFS-23167-1	c 44	N76-31667* #	NASA-CASE-MFS-25509-1	c 35	N83-24828* #
NASA-CASE-MFS-21415-1	c 52	N74-20728* #	NASA-CASE-MFS-23175-1	c 35	N77-30436* #	NASA-CASE-MFS-25510-1	c 37	N82-11470* #
NASA-CASE-MFS-21424-1	c 34	N74-27730* #	NASA-CASE-MFS-23178-1	c 35	N77-10493* #	NASA-CASE-MFS-25535-1	c 33	N81-12330* #
NASA-CASE-MFS-21433	c 09	N73-20232* #	NASA-CASE-MFS-23181-1	c 33	N77-17351* #	NASA-CASE-MFS-25535-2	c 33	N83-29593* #
NASA-CASE-MFS-21441-1	c 14	N73-30392* #	NASA-CASE-MFS-23194-1	c 35	N78-17357* #	NASA-CASE-MFS-25560-1	c 33	N82-30472* #
NASA-CASE-MFS-21455-1	c 35	N74-15146* #	NASA-CASE-MFS-23225-1	c 52	N77-14735* #	NASA-CASE-MFS-25586-1	c 33	N82-11360* #
NASA-CASE-MFS-21462-1	c 33	N74-14935* #	NASA-CASE-MFS-23250-1	c 35	N82-11432* #	NASA-CASE-MFS-25607-1	c 33	N83-34190* #
NASA-CASE-MFS-21465-1	c 10	N73-32145* #	NASA-CASE-MFS-23267-1	c 35	N77-20401* #	NASA-CASE-MFS-25618-1	c 33	N82-24428* #
NASA-CASE-MFS-21470-1	c 44	N74-19870* #	NASA-CASE-MFS-23270-1	c 44	N78-25531* #	NASA-CASE-MFS-25631-1	c 34	N82-10360* #
NASA-CASE-MFS-21481-1	c 37	N74-18127* #	NASA-CASE-MFS-23274-1	c 33	N78-13320* #	NASA-CASE-MFS-25637-1	c 44	N82-26780* #
NASA-CASE-MFS-21485-1	c 37	N74-25968* #	NASA-CASE-MFS-23280-1	c 33	N78-10376* #	NASA-CASE-MFS-25640-1	c 52	N82-26962* #
NASA-CASE-MFS-21488-1	c 14	N75-24794* #	NASA-CASE-MFS-23281-1	c 35	N77-22450* #	NASA-CASE-MFS-25678-1	c 37	N82-25517* #
NASA-CASE-MFS-21540-1	c 32	N74-19790* #	NASA-CASE-MFS-23284-1	c 37	N80-14397* #	NASA-CASE-MFS-25707-1	c 35	N82-26631* #
NASA-CASE-MFS-21556-1	c 35	N74-26945* #	NASA-CASE-MFS-23289-1	c 39	N77-28511* #	NASA-CASE-MFS-25717-1	c 43	N83-14607* #
NASA-CASE-MFS-21577-1	c 19	N74-29410* #	NASA-CASE-MFS-23303-1	c 32	N77-18307* #	NASA-CASE-MFS-25721-1	c 25	N83-25811* #
NASA-CASE-MFS-21606-1	c 37	N75-19685* #	NASA-CASE-MFS-23311-1	c 54	N78-17676* #	NASA-CASE-MFS-25750-1	c 33	N83-35229* #
NASA-CASE-MFS-21611-1	c 54	N75-12616* #	NASA-CASE-MFS-23312-1	c 33	N78-27326* #	NASA-CASE-MFS-25752-1	c 74	N83-21950* #
NASA-CASE-MFS-21616-1	c 33	N75-30429* #	NASA-CASE-MFS-23315-1	c 76	N78-24950* #	NASA-CASE-MFS-25754-1	c 31	N82-26503* #
NASA-CASE-MFS-21628-1	c 44	N75-32581* #	NASA-CASE-MFS-23345-1	c 27	N77-30237* #	NASA-CASE-MFS-25786-1	c 76	N83-18533* #
NASA-CASE-MFS-21628-2	c 44	N78-23675* #	NASA-CASE-MFS-23349-1	c 44	N79-23481* #	NASA-CASE-MFS-25807	c 37	N83-20154* #
NASA-CASE-MFS-21629	c 14	N72-22442* #	NASA-CASE-MFS-23362-1	c 47	N77-10753* #	NASA-CASE-MFS-25828-1	c 71	N83-26846* #
NASA-CASE-MFS-21660-1	c 35	N74-21017* #	NASA-CASE-MFS-23363-1	c 35	N82-32398* #	NASA-CASE-MFS-25833-1	c 35	N83-21316* #
NASA-CASE-MFS-21671-1	c 33	N74-22885* #	NASA-CASE-MFS-23405-1	c 28	N77-29260* #	NASA-CASE-MFS-25837	c 16	N82-31398* #
NASA-CASE-MFS-21672-1	c 74	N76-19935* #	NASA-CASE-MFS-23447-1	c 37	N79-11404* #	NASA-CASE-MFS-25842-1	c 37	N83-26080* #
NASA-CASE-MFS-21675-1	c 25	N74-33378* #	NASA-CASE-MFS-23480-1	c 12	N79-26075* #	NASA-CASE-MFS-25843-1	c 20	N83-17588* #
NASA-CASE-MFS-21680-1	c 18	N74-27397* #	NASA-CASE-MFS-23481-1	c 35	N79-10369* #	NASA-CASE-MFS-25852-1	c 33	N83-17803* #
NASA-CASE-MFS-21681-1	c 18	N74-27397* #	NASA-CASE-MFS-23506-1	c 24	N78-24290* #	NASA-CASE-MFS-25853	c 16	N83-13149* #
NASA-CASE-MFS-21698-1	c 33	N74-26732* #	NASA-CASE-MFS-23513-1	c 74	N79-11865* #	NASA-CASE-MFS-25854-1	c 33	N83-17804* #
NASA-CASE-MFS-21704-1	c 35	N75-25124* #	NASA-CASE-MFS-23515-1	c 44	N80-21828* #	NASA-CASE-MFS-25862-1	c 27	N83-19903* #
NASA-CASE-MFS-21728-1	c 35	N74-27865* #	NASA-CASE-MFS-23518-1	c 44	N79-11469* #	NASA-CASE-MFS-25862	c 33	N83-28329* #
NASA-CASE-MFS-21761-1	c 35	N75-15931* #	NASA-CASE-MFS-23518-3	c 44	N80-16452* #	NASA-CASE-MFS-25878-1	c 18	N83-12138* #
NASA-CASE-MFS-21846-1	c 37	N74-26976* #	NASA-CASE-MFS-23540-1	c 44	N79-26475* #	NASA-CASE-MFS-25905-1	c 74	N83-35825* #
NASA-CASE-MFS-21919-1	c 10	N73-25243* #	NASA-CASE-MFS-23541-1	c 76	N79-14906* #	NASA-CASE-MFS-25907-1	c 37	N83-31019* #
NASA-CASE-MFS-21931-1	c 37	N75-26372* #	NASA-CASE-MFS-23551-1	c 04	N78-26175* #			
NASA-CASE-MFS-22002-1	c 44	N76-16612* #	NASA-CASE-MFS-23584-1	c 15	N78-25119* #	NASA-CASE-MSC-10954-1	c 54	N78-18761* #
NASA-CASE-MFS-22022-1	c 37	N76-15460* #	NASA-CASE-MFS-23579-1	c 18	N79-11108* #	NASA-CASE-MSC-10959	c 15	N71-26243* #
NASA-CASE-MFS-22039-1	c 09	N75-12968* #	NASA-CASE-MFS-23620-1	c 37	N79-10421* #	NASA-CASE-MSC-10960-1	c 03	N71-24718* #
NASA-CASE-MFS-22040-1	c 35	N74-26946* #	NASA-CASE-MFS-23626-1	c 24	N80-26388* #	NASA-CASE-MSC-10966	c 14	N71-19568* #
NASA-CASE-MFS-22060-1	c 35	N75-29380* #	NASA-CASE-MFS-23642-1	c 20	N80-10278* #	NASA-CASE-MSC-11010	c 15	N71-19485* #
NASA-CASE-MFS-22073-1	c 33	N75-13139* #	NASA-CASE-MFS-23642-2	c 20	N78-27176* #	NASA-CASE-MSC-11072	c 54	N74-32548* #
NASA-CASE-MFS-22088-1	c 33	N75-15874* #	NASA-CASE-MFS-23646-1	c 37	N79-22474* #	NASA-CASE-MSC-11235	c 33	N78-17294* #
NASA-CASE-MFS-22102-1	c 54	N74-20725* #	NASA-CASE-MFS-23659-1	c 33	N79-17133* #	NASA-CASE-MSC-11242	c 35	N78-17358* #
NASA-CASE-MFS-22129-1	c 33	N75-18477* #	NASA-CASE-MFS-23674-1	c 24	N81-29163* #	NASA-CASE-MSC-11253	c 05	N71-12343* #
NASA-CASE-MFS-22133-1	c 33	N74-26977* #	NASA-CASE-MFS-23675-1	c 89	N79-10969* #	NASA-CASE-MSC-11277	c 09	N71-29008* #
NASA-CASE-MFS-22145-1	c 75	N75-13625* #	NASA-CASE-MFS-23696-1	c 54	N81-26718* #	NASA-CASE-MSC-11561-1	c 05	N73-32014* #
NASA-CASE-MFS-22145-2	c 75	N76-17951* #	NASA-CASE-MFS-23717-1	c 52	N81-25660* #	NASA-CASE-MSC-11817-1	c 15	N71-26811* #
NASA-CASE-MFS-22189-1	c 35	N75-19615* #	NASA-CASE-MFS-23720-1	c 43	N80-23711* #	NASA-CASE-MSC-11874-1	c 14	N72-11363* #
NASA-CASE-MFS-22208-1	c 33	N75-26244* #	NASA-CASE-MFS-23720-2	c 43	N80-14423* #	NASA-CASE-MSC-11849-1	c 15	N72-22488* #
NASA-CASE-MFS-22234-1	c 32	N79-10264* #	NASA-CASE-MFS-23720-3	c 43	N79-25443* #	NASA-CASE-MSC-12033-1	c 09	N71-13531* #
NASA-CASE-MFS-22283-1	c 37	N75-33395* #	NASA-CASE-MFS-23721-1	c 31	N79-28370* #	NASA-CASE-MSC-12049	c 31	N71-16080* #
NASA-CASE-MFS-22287-1	c 75	N76-14931* #	NASA-CASE-MFS-23725-1	c 43	N79-31706* #	NASA-CASE-MSC-12052-1	c 15	N71-24599* #
NASA-CASE-MFS-22323-1	c 37	N76-14463* #	NASA-CASE-MFS-23726-1	c 43	N79-26439* #	NASA-CASE-MSC-12084-1	c 12	N71-17569* #
NASA-CASE-MFS-22324-1	c 27	N75-27160* #	NASA-CASE-MFS-23727-1	c 44	N80-14473* #	NASA-CASE-MSC-12086-1	c 05	N71-12345* #
NASA-CASE-MFS-22342-1	c 33	N75-30428* #	NASA-CASE-MFS-23775-1	c 44	N82-16474* #	NASA-CASE-MSC-12101	c 09	N71-18720* #
NASA-CASE-MFS-22343-1	c 33	N74-34638* #	NASA-CASE-MFS-23776-1	c 33	N82-28545* #	NASA-CASE-MSC-12105-1	c 14	N72-21409* #
NASA-CASE-MFS-22355-1	c 23	N76-15268* #	NASA-CASE-MFS-23777-1	c 37	N80-32716* #	NASA-CASE-MSC-12109	c 18	N71-26285* #
NASA-CASE-MFS-22356-1	c 23	N75-30256* #	NASA-CASE-MFS-23816-1	c 26	N80-23419* #	NASA-CASE-MSC-12111-1	c 02	N71-11039* #
NASA-CASE-MFS-22409-2	c 74	N78-15880* #	NASA-CASE-MFS-23825-1	c 51	N81-32829* #	NASA-CASE-MSC-12116-1	c 15	N71-17648* #
NASA-CASE-MFS-22411-1	c 37	N74-21058* #	NASA-CASE-MFS-23828-1	c 33	N82-26569* #	NASA-CASE-MSC-12121-1	c 15	N72-17147* #
NASA-CASE-MFS-22458-1	c 44	N77-10635* #	NASA-CASE-MFS-23830-1	c 44	N82-24639* #	NASA-CASE-MSC-12135-1	c 09	N71-12526* #
NASA-CASE-MFS-22517-1	c 35	N76-18402* #	NASA-CASE-MFS-23845-1	c 33	N81-17348* #	NASA-CASE-MSC-12139-1	c 28</	

NASA-CASE-MSC-12143-1	c 33	N72-17947* #	NASA-CASE-MSC-13932-1	c 62	N74-14920* #	NASA-CASE-MSC-18381-1	c 52	N81-28740* #
NASA-CASE-MSC-12146-1	c 07	N72-17109* #	NASA-CASE-MSC-13972-1	c 52	N74-10975* #	NASA-CASE-MSC-18382-1	c 27	N82-16238* #
NASA-CASE-MSC-12165-1	c 07	N71-33696* #	NASA-CASE-MSC-13999-1	c 52	N74-26626* #	NASA-CASE-MSC-18382-2	c 27	N82-24344* #
NASA-CASE-MSC-12168-1	c 09	N71-18600* #	NASA-CASE-MSC-14053-1	c 60	N74-12888* #	NASA-CASE-MSC-18407-1	c 33	N82-24427* #
NASA-CASE-MSC-12178-1	c 09	N71-13518* #	NASA-CASE-MSC-14065-1	c 32	N74-26654* #	NASA-CASE-MSC-18422-1	c 37	N82-16408* #
NASA-CASE-MSC-12205-1	c 07	N71-27056* #	NASA-CASE-MSC-14066-1	c 33	N74-27705* #	NASA-CASE-MSC-18430-1	c 37	N82-24491* #
NASA-CASE-MSC-12206-1	c 05	N71-17599* #	NASA-CASE-MSC-14070-1	c 32	N74-32598* #	NASA-CASE-MSC-18498-1	c 60	N82-29013* #
NASA-CASE-MSC-12209	c 09	N71-24842* #	NASA-CASE-MSC-14081-1	c 35	N74-27860* #	NASA-CASE-MSC-18526-1	c 37	N82-24494* #
NASA-CASE-MSC-12223-1	c 07	N71-26181* #	NASA-CASE-MSC-14082-1	c 60	N76-23850* #	NASA-CASE-MSC-18532-1	c 32	N82-27558* #
NASA-CASE-MSC-12233-1	c 15	N72-25454* #	NASA-CASE-MSC-14086-1	c 74	N74-15095* #	NASA-CASE-MSC-18538-1	c 37	N82-26672* #
NASA-CASE-MSC-12233-2	c 32	N73-13921* #	NASA-CASE-MSC-14129-1	c 33	N75-18479* #	NASA-CASE-MSC-18578-1	c 74	N82-27121* #
NASA-CASE-MSC-12239-1	c 52	N79-21750* #	NASA-CASE-MSC-14130-1	c 33	N74-32711* #	NASA-CASE-MSC-18606-1	c 32	N82-11336* #
NASA-CASE-MSC-12243-1	c 05	N71-24728* #	NASA-CASE-MSC-14131-1	c 33	N75-19515* #	NASA-CASE-MSC-18627-1	c 74	N82-30071* #
NASA-CASE-MSC-12259-1	c 07	N70-12616* #	NASA-CASE-MSC-14143-1	c 77	N75-20139* #	NASA-CASE-MSC-18674-1	c 74	N81-24907* #
NASA-CASE-MSC-12259-2	c 07	N72-33146* #	NASA-CASE-MSC-14180-1	c 52	N76-14757* #	NASA-CASE-MSC-18675-1	c 32	N82-29312* #
NASA-CASE-MSC-12279-1	c 15	N70-35679* #	NASA-CASE-MSC-14182-1	c 27	N76-14264* #	NASA-CASE-MSC-18723-1	c 35	N83-21312* #
NASA-CASE-MSC-12279	c 15	N72-17450* #	NASA-CASE-MSC-14187-1	c 35	N74-32879* #	NASA-CASE-MSC-18736-1	c 24	N83-13172* #
NASA-CASE-MSC-12280	c 27	N71-16348* #	NASA-CASE-MSC-14219-1	c 32	N74-27612* #	NASA-CASE-MSC-18737-1	c 24	N83-13171* #
NASA-CASE-MSC-12293-1	c 14	N72-27411* #	NASA-CASE-MSC-14240-1	c 33	N75-14957* #	NASA-CASE-MSC-18741-1	c 27	N82-29456* #
NASA-CASE-MSC-12297	c 14	N72-23457* #	NASA-CASE-MSC-14245-1	c 18	N75-27041* #	NASA-CASE-MSC-18742-1	c 37	N82-26673* #
NASA-CASE-MSC-12324-1	c 05	N72-22093* #	NASA-CASE-MSC-14270-1	c 27	N76-22377* #	NASA-CASE-MSC-18759-1	c 52	N83-27578* #
NASA-CASE-MSC-12327-1	c 35	N77-27368* #	NASA-CASE-MSC-14270-2	c 27	N76-23426* #	NASA-CASE-MSC-18761-1	c 52	N83-27577* #
NASA-CASE-MSC-12357	c 15	N73-12489* #	NASA-CASE-MSC-14273-1	c 34	N75-33342* #	NASA-CASE-MSC-18791-1	c 37	N83-36482* #
NASA-CASE-MSC-12363-1	c 14	N73-26431* #	NASA-CASE-MSC-14276-1	c 52	N77-14737* #	NASA-CASE-MSC-18794-1	c 44	N83-14693* #
NASA-CASE-MSC-12372-1	c 31	N72-25842* #	NASA-CASE-MSC-14331-1	c 27	N76-24405* #	NASA-CASE-MSC-18796-1	c 24	N82-26389* #
NASA-CASE-MSC-12389	c 33	N71-29052* #	NASA-CASE-MSC-14331-2	c 27	N78-17213* #	NASA-CASE-MSC-18807-1	c 37	N83-36483* #
NASA-CASE-MSC-12390	c 27	N71-29155* #	NASA-CASE-MSC-14332-3	c 27	N78-32262* #	NASA-CASE-MSC-18832-1	c 27	N83-18908* #
NASA-CASE-MSC-12391	c 30	N73-12884* #	NASA-CASE-MSC-14339-1	c 05	N75-24718* #	NASA-CASE-MSC-18851-1	c 27	N82-26460* #
NASA-CASE-MSC-12393-1	c 02	N73-26006* #	NASA-CASE-MSC-14428-1	c 23	N77-17161* #	NASA-CASE-MSC-18852-1	c 37	N82-28640* #
NASA-CASE-MSC-12394-1	c 08	N74-10942* #	NASA-CASE-MSC-14435-1	c 37	N76-18455* #	NASA-CASE-MSC-18866-1	c 35	N82-26634* #
NASA-CASE-MSC-12395	c 09	N72-25257* #	NASA-CASE-MSC-14472-1	c 43	N77-10584* #	NASA-CASE-MSC-18929-1	c 39	N83-20280* #
NASA-CASE-MSC-12396-1	c 03	N73-31988* #	NASA-CASE-MSC-14557-1	c 32	N76-16249* #	NASA-CASE-MSC-18934-3	c 24	N82-26387* #
NASA-CASE-MSC-12397-1	c 05	N72-25119* #	NASA-CASE-MSC-14558-1	c 32	N75-21486* #	NASA-CASE-MSC-18936-1	c 35	N83-29652* #
NASA-CASE-MSC-12398	c 05	N72-20098* #	NASA-CASE-MSC-14623-1	c 52	N77-28717* #	NASA-CASE-MSC-18969-1	c 15	N82-28318* #
NASA-CASE-MSC-12404-1	c 23	N73-13661* #	NASA-CASE-MSC-14632-1	c 54	N78-14784* #	NASA-CASE-MSC-19095-1	c 37	N75-19683* #
NASA-CASE-MSC-12408-1	c 46	N74-13011* #	NASA-CASE-MSC-14640-1	c 54	N76-14804* #	NASA-CASE-MSC-19372-1	c 39	N76-31562* #
NASA-CASE-MSC-12411-1	c 05	N72-20096* #	NASA-CASE-MSC-14649-1	c 33	N76-16331* #	NASA-CASE-MSC-19442-1	c 74	N77-10899* #
NASA-CASE-MSC-12423-1	c 91	N76-30131* #	NASA-CASE-MSC-14653-1	c 35	N77-19385* #	NASA-CASE-MSC-19515-1	c 37	N79-20377* #
NASA-CASE-MSC-12428-1	c 10	N73-25240* #	NASA-CASE-MSC-14683-1	c 74	N77-18893* #	NASA-CASE-MSC-19535-1	c 37	N77-32499* #
NASA-CASE-MSC-12433	c 31	N73-14854* #	NASA-CASE-MSC-14733-1	c 54	N76-24900* #	NASA-CASE-MSC-19536-1	c 37	N77-22482* #
NASA-CASE-MSC-12458-1	c 08	N73-32081* #	NASA-CASE-MSC-14735-1	c 54	N76-24900* #	NASA-CASE-MSC-19568-1	c 34	N78-25350* #
NASA-CASE-MSC-12462-1	c 32	N74-20809* #	NASA-CASE-MSC-14757-1	c 35	N78-10428* #	NASA-CASE-MSC-19666-1	c 37	N78-17383* #
NASA-CASE-MSC-12494-1	c 32	N74-20810* #	NASA-CASE-MSC-14771-1	c 54	N77-32722* #	NASA-CASE-MSC-19672-1	c 38	N79-14398* #
NASA-CASE-MSC-12506-1	c 32	N77-12239* #	NASA-CASE-MSC-14773-1	c 35	N78-12390* #	NASA-CASE-MSC-19693-1	c 26	N78-24333* #
NASA-CASE-MSC-12531-1	c 35	N75-30504* #	NASA-CASE-MSC-14805-1	c 54	N78-32720* #	NASA-CASE-MSC-19706-1	c 09	N78-31129* #
NASA-CASE-MSC-12549-1	c 37	N74-27903* #	NASA-CASE-MSC-14831-1	c 25	N78-10225* #	NASA-CASE-MSC-20078-1	c 52	N82-32971* #
NASA-CASE-MSC-12559-1	c 18	N76-14186* #	NASA-CASE-MSC-14836-1	c 52	N82-11770* #	NASA-CASE-MSC-20080-1	c 37	N82-31688* #
NASA-CASE-MSC-12561-1	c 18	N76-17185* #	NASA-CASE-MSC-14840-1	c 32	N77-24331* #	NASA-CASE-MSC-20112-1	c 37	N82-28641* #
NASA-CASE-MSC-12568-1	c 24	N76-14204* #	NASA-CASE-MSC-14903-1	c 27	N78-32256* #	NASA-CASE-MSC-20127-1	c 44	N82-32843* #
NASA-CASE-MSC-12593-1	c 17	N76-121250* #	NASA-CASE-MSC-14903-2	c 27	N80-10358* #	NASA-CASE-MSC-20181-1	c 33	N82-28549* #
NASA-CASE-MSC-12607-1	c 32	N75-21485* #	NASA-CASE-MSC-14903-3	c 27	N80-24438* #	NASA-CASE-MSC-20202-1	c 54	N83-18254* #
NASA-CASE-MSC-12609-1	c 05	N73-32012* #	NASA-CASE-MSC-14905-1	c 37	N77-28487* #	NASA-CASE-MSC-20206-1	c 25	N83-29325* #
NASA-CASE-MSC-12611-1	c 12	N76-15189* #	NASA-CASE-MSC-14916-1	c 33	N78-10375* #	NASA-CASE-MSC-20250-1	c 37	N83-29707* #
NASA-CASE-MSC-12615-1	c 37	N76-19437* #	NASA-CASE-MSC-14939-1	c 32	N79-11264* #	NASA-CASE-MSC-20254-1	c 24	N83-17601* #
NASA-CASE-MSC-12617-1	c 35	N76-29552* #	NASA-CASE-MSC-15158-1	c 14	N72-17325* #	NASA-CASE-MSC-20261-1	c 54	N82-32985* #
NASA-CASE-MSC-12618-1	c 74	N78-17865* #	NASA-CASE-MSC-15474-1	c 15	N71-26162* #	NASA-CASE-MSC-20261-2	c 54	N82-32986* #
NASA-CASE-MSC-12619-2	c 27	N79-12221* #	NASA-CASE-MSC-15567-1	c 33	N73-16918* #	NASA-CASE-MSC-20275-1	c 35	N83-17565* #
NASA-CASE-MSC-12631-1	c 24	N77-28225* #	NASA-CASE-MSC-15626-1	c 14	N72-25411* #	NASA-CASE-MSC-20304-1	c 37	N82-31690* #
NASA-CASE-MSC-12631-3	c 27	N81-14077* #	NASA-CASE-MSC-16000-1	c 37	N78-24544* #	NASA-CASE-MSC-20319-1	c 37	N82-31689* #
NASA-CASE-MSC-12640-1	c 74	N76-31988* #	NASA-CASE-MSC-16043-1	c 37	N79-11402* #	NASA-CASE-MSC-20418-1	c 37	N83-17882* #
NASA-CASE-MSC-12662-1	c 33	N79-12331* #	NASA-CASE-MSC-16074-1	c 27	N80-26446* #	NASA-CASE-MSC-90153-2	c 05	N72-25120* #
NASA-CASE-MSC-12709-1	c 33	N77-24375* #	NASA-CASE-MSC-16098-1	c 51	N79-10693* #			
NASA-CASE-MSC-12731-1	c 37	N78-25426* #	NASA-CASE-MSC-16170-2	c 32	N81-16338* #	NASA-CASE-NPO-08835-1	c 27	N78-33228* #
NASA-CASE-MSC-12737-1	c 24	N79-25142* #	NASA-CASE-MSC-16182-1	c 54	N80-10799* #	NASA-CASE-NPO-10003	c 10	N71-26415* #
NASA-CASE-MSC-12743-1	c 32	N79-10263* #	NASA-CASE-MSC-16217-1	c 31	N81-27323* #	NASA-CASE-NPO-10034	c 15	N71-17685* #
NASA-CASE-MSC-12745-1	c 33	N81-27397* #	NASA-CASE-MSC-16239-1	c 37	N81-32510* #	NASA-CASE-NPO-10037	c 09	N71-19610* #
NASA-CASE-MSC-13047-1	c 31	N71-25434* #	NASA-CASE-MSC-16253-1	c 32	N79-20297* #	NASA-CASE-NPO-10046	c 28	N72-17843* #
NASA-CASE-MSC-13054	c 54	N78-17677* #	NASA-CASE-MSC-16258-1	c 45	N79-12584* #	NASA-CASE-NPO-10051	c 18	N71-24934* #
NASA-CASE-MSC-13110-1	c 08	N72-22163* #	NASA-CASE-MSC-16260-1	c 51	N80-16714* #	NASA-CASE-NPO-10064	c 15	N71-17693* #
NASA-CASE-MSC-13112	c 03	N71-11057* #	NASA-CASE-MSC-16270-1	c 37	N78-27423* #	NASA-CASE-NPO-10066	c 09	N71-18598* #
NASA-CASE-MSC-13140	c 05	N72-11085* #	NASA-CASE-MSC-16366-1	c 24	N79-23142* #	NASA-CASE-NPO-10068	c 08	N71-19288* #
NASA-CASE-MSC-13201-1	c 07	N71-28429* #	NASA-CASE-MSC-16370-1	c 35	N81-19427* #	NASA-CASE-NPO-10070	c 15	N71-27372* #
NASA-CASE-MSC-13276-1	c 14	N71-27058* #	NASA-CASE-MSC-16394-1	c 28	N81-24280* #	NASA-CASE-NPO-10096	c 07	N71-24583* #
NASA-CASE-MSC-13281	c 31	N72-18859* #	NASA-CASE-MSC-16433-1	c 52	N78-27750* #	NASA-CASE-NPO-10109	c 03	N71-11049* #
NASA-CASE-MSC-13282-1	c 05	N71-24729* #	NASA-CASE-MSC-16433-1	c 52	N81-24711* #	NASA-CASE-NPO-10112	c 08	N71-12502* #
NASA-CASE-MSC-13332-1	c 14	N72-21408* #	NASA-CASE-MSC-16461-1	c 33	N79-11313* #	NASA-CASE-NPO-10117	c 15	N71-15608* #
NASA-CASE-MSC-13335-1	c 06	N72-31140* #	NASA-CASE-MSC-16462-1	c 32	N82-31583* #	NASA-CASE-NPO-10118	c 07	N71-24741* #
NASA-CASE-MSC-13397-1	c 21	N72-25595* #	NASA-CASE-MSC-16497-1	c 25	N82-12166* #	NASA-CASE-NPO-10122	c 12	N71-17631* #
NASA-CASE-MSC-13407-1	c 10	N72-20225* #	NASA-CASE-MSC-16697-1	c 33	N79-28415* #	NASA-CASE-NPO-10123	c 15	N71-24835* #
NASA-CASE-MSC-13436-1	c 05	N73-32015* #	NASA-CASE-MSC-16747-1	c 33	N81-17349* #	NASA-CASE-NPO-10138	c 33	N71-16357* #
NASA-CASE-MSC-13492-1	c 10	N71-28860* #	NASA-CASE-MSC-16777-1	c 51	N80-27067* #	NASA-CASE-NPO-10140	c 07	N71-24742* #
NASA-CASE-MSC-13512-1	c 15	N72-2485* #	NASA-CASE-MSC-16800-1	c 32	N81-14187* #	NASA-CASE-NPO-10141	c 11	N71-24964* #
NASA-CASE-MSC-13530-2	c 23	N75-14834* #	NASA-CASE-MSC-16841-1	c 34	N79-24285* #	NASA-CASE-NPO-10143	c 10	N71-26326* #
NASA-CASE-MSC-13540-1	c 05	N72-33096* #	NASA-CASE-MSC-16938-1	c 37	N80-23653* #	NASA-CASE-NPO-10144	c 14	N71-17701* #
NASA-CASE-MSC-13587-1	c 15	N73-30459* #	NASA-CASE-MSC-16973-1	c 37	N81-14317* #	NASA-CASE-NPO-10150	c 08	N71-24650* #
NASA-CASE-MSC-13601-2	c 54	N75-27759* #	NASA-CASE-MSC-17832-1	c 33	N74-14956* #	NASA-CASE-NPO-10151	c 37	N78-17386* #
NASA-CASE-MSC-13604-1	c 05	N73-13114* #	NASA-CASE-MSC-18035-1	c 32	N81-15179* #	NASA-CASE-NPO-10158	c 33	N71-16356* #
NASA-CASE-MSC-13609-1	c 05	N72-25122* #	NASA-CASE-MSC-18106-1	c 33	N82-11357* #	NASA-CASE-NPO-10166-1	c 07	N73-22076* #
NASA-CASE-MSC-13648	c 05	N72-27103* #	NASA-CASE-MSC-18107-1	c 27	N81-25209* #	NASA-CASE-NPO-10166-2	c 35	N76-16391* #
NASA-CASE-MSC-13746-1	c 10	N73-32143* #	NASA-CASE-MSC-18134-1	c 37	N81-15363* #	NASA-CASE-NPO-10169	c 10	N71-24844* #
NASA-CASE-MSC-13789-1	c 11	N73-32152* #	NASA-CASE-MSC-18172-1	c 26	N80-19237* #	NASA-CASE-NPO-10173	c 15	N71-24696* #
NASA-CASE-MSC-13802-2	c 35	N76-15431* #	NASA-CASE-MSC-18179-1	c 20	N80-18097* #	NASA-CASE-NPO-10174	c 14	N71-18465* #
NASA-CASE-MSC-13855-1	c 35	N74-17885* #	NASA-CASE-MSC-18223-1	c 24	N82-29362* #	NASA-CASE-NPO-10175	c 14	N71-18625* #
NASA-CASE-MSC-13907-1	c 10	N73-26230* #	NASA-CASE-MSC-18223-2	c 52	N82-26960* #	NASA-CASE-NPO-10185	c 10	N71-26339* #
NASA-CASE-MSC-13912-1	c 32	N74-30524* #	NASA-CASE-MSC-18255-1	c 74	N80-33210* #	NASA-CASE-NPO-10188	c 03	N71-20273* #
NASA-CASE-MSC-13917-1	c 05	N72-15098* #	NASA-CASE-MSC-18334-1	c 32	N80-32604* #	NASA-CASE-NPO-10189-1	c 33	N77-21314* #

REPORT NUMBER INDEX

NASA-CASE-NPO-13063-1

NASA-CASE-NPO-10194	c 03	N71-20407*	NASA-CASE-NPO-10768	c 06	N71-27254*	NASA-CASE-NPO-11361	c 07	N72-32169* #
NASA-CASE-NPO-10198	c 09	N71-24806*	NASA-CASE-NPO-10769	c 08	N72-11171*	NASA-CASE-NPO-11366	c 11	N73-26238* #
NASA-CASE-NPO-10199	c 09	N72-17156* #	NASA-CASE-NPO-10774	c 06	N72-17095* #	NASA-CASE-NPO-11369	c 15	N73-13467* #
NASA-CASE-NPO-10201	c 08	N71-18694*	NASA-CASE-NPO-10778	c 14	N72-11364*	NASA-CASE-NPO-11371	c 08	N73-12177* #
NASA-CASE-NPO-10214	c 10	N71-26577*	NASA-CASE-NPO-10781-1	c 33	N77-21314* #	NASA-CASE-NPO-11373	c 13	N72-25323* #
NASA-CASE-NPO-10230	c 09	N71-12520* #	NASA-CASE-NPO-10790-1	c 33	N77-21316* #	NASA-CASE-NPO-11377	c 15	N73-27406* #
NASA-CASE-NPO-10231	c 07	N71-26101*	NASA-CASE-NPO-10796	c 15	N71-27068*	NASA-CASE-NPO-11387	c 14	N73-14429* #
NASA-CASE-NPO-10233-1	c 74	N78-33913* #	NASA-CASE-NPO-10808	c 15	N71-27432*	NASA-CASE-NPO-11388	c 03	N72-23048* #
NASA-CASE-NPO-10234	c 06	N72-17094* #	NASA-CASE-NPO-10810	c 14	N71-27323*	NASA-CASE-NPO-11403-1	c 33	N77-22386* #
NASA-CASE-NPO-10242	c 09	N71-24803*	NASA-CASE-NPO-10812	c 15	N73-13464* #	NASA-CASE-NPO-11406	c 08	N73-12175* #
NASA-CASE-NPO-10244	c 15	N72-26371* #	NASA-CASE-NPO-10817-1	c 08	N73-30135* #	NASA-CASE-NPO-11417	c 15	N73-24513* #
NASA-CASE-NPO-10250	c 23	N71-16212*	NASA-CASE-NPO-10821	c 03	N71-19545*	NASA-CASE-NPO-11418-1	c 14	N73-13420* #
NASA-CASE-NPO-10251	c 10	N71-27365*	NASA-CASE-NPO-10828	c 33	N72-17948* #	NASA-CASE-NPO-11426	c 07	N73-26119* #
NASA-CASE-NPO-10271	c 17	N71-16393*	NASA-CASE-NPO-10830-1	c 27	N81-15104* #	NASA-CASE-NPO-11429-1	c 74	N77-21941* #
NASA-CASE-NPO-10298	c 12	N71-17661*	NASA-CASE-NPO-10831	c 33	N72-20915* #	NASA-CASE-NPO-11432-2	c 35	N74-15090* #
NASA-CASE-NPO-10300	c 14	N71-17662*	NASA-CASE-NPO-10832	c 14	N72-21405* #	NASA-CASE-NPO-11437	c 16	N72-28521* #
NASA-CASE-NPO-10301	c 07	N72-11148*	NASA-CASE-NPO-10844	c 07	N72-20140* #	NASA-CASE-NPO-11456	c 08	N73-26176* #
NASA-CASE-NPO-10302	c 10	N71-26142*	NASA-CASE-NPO-10851	c 07	N71-24613*	NASA-CASE-NPO-11458A	c 20	N78-32179* #
NASA-CASE-NPO-10303	c 07	N72-22127* #	NASA-CASE-NPO-10857-1	c 33	N80-14330* #	NASA-CASE-NPO-11458	c 28	N72-23810* #
NASA-CASE-NPO-10309	c 15	N69-23190* #	NASA-CASE-NPO-10862	c 06	N72-22107* #	NASA-CASE-NPO-11479	c 15	N73-13462* #
NASA-CASE-NPO-10311	c 31	N71-15643*	NASA-CASE-NPO-10863-2	c 06	N72-25152* #	NASA-CASE-NPO-11481	c 21	N73-13644* #
NASA-CASE-NPO-10316-1	c 37	N77-22479* #	NASA-CASE-NPO-10863	c 06	N70-11251* #	NASA-CASE-NPO-11493	c 14	N73-12447* #
NASA-CASE-NPO-10320	c 14	N71-17655*	NASA-CASE-NPO-10866-1	c 28	N79-14228* #	NASA-CASE-NPO-11497	c 08	N73-25206* #
NASA-CASE-NPO-10331	c 09	N71-26701*	NASA-CASE-NPO-10870-1	c 33	N77-22386* #	NASA-CASE-NPO-11510-1	c 33	N77-21315* #
NASA-CASE-NPO-10337	c 14	N71-15604* #	NASA-CASE-NPO-10872-1	c 35	N79-16246* #	NASA-CASE-NPO-11515-1	c 33	N77-13315* #
NASA-CASE-NPO-10342	c 10	N71-33407*	NASA-CASE-NPO-10883	c 31	N72-22874* #	NASA-CASE-NPO-11548	c 07	N73-26118* #
NASA-CASE-NPO-10343	c 07	N71-27341*	NASA-CASE-NPO-10890	c 11	N73-12265* #	NASA-CASE-NPO-11556	c 12	N72-25292* #
NASA-CASE-NPO-10344	c 10	N71-26544*	NASA-CASE-NPO-10893	c 27	N73-22710* #	NASA-CASE-NPO-11559	c 28	N73-24784* #
NASA-CASE-NPO-10348	c 10	N71-12554* #	NASA-CASE-NPO-10895	c 14	N73-20478* #	NASA-CASE-NPO-11569	c 10	N73-26229* #
NASA-CASE-NPO-10351	c 08	N71-12503* #	NASA-CASE-NPO-10898-1	c 06	N73-32029* #	NASA-CASE-NPO-11572	c 07	N73-16121* #
NASA-CASE-NPO-10373	c 03	N71-18698*	NASA-CASE-NPO-10899-1	c 06	N73-32029* #	NASA-CASE-NPO-11575-1	c 74	N81-19896* #
NASA-CASE-NPO-10388	c 07	N71-24622*	NASA-CASE-NPO-11001	c 07	N72-21118* #	NASA-CASE-NPO-11593-1	c 07	N73-28012* #
NASA-CASE-NPO-10401	c 03	N72-20033* #	NASA-CASE-NPO-11002	c 14	N72-22441* #	NASA-CASE-NPO-11609-2	c 27	N77-31308* #
NASA-CASE-NPO-10404	c 03	N71-12255* #	NASA-CASE-NPO-11012	c 15	N72-11391*	NASA-CASE-NPO-11623-1	c 71	N74-31148* #
NASA-CASE-NPO-10412	c 09	N71-28421*	NASA-CASE-NPO-11013	c 11	N72-22247* #	NASA-CASE-NPO-11628-1	c 07	N73-30113* #
NASA-CASE-NPO-10416	c 12	N71-27332*	NASA-CASE-NPO-11016	c 08	N72-31226* #	NASA-CASE-NPO-11630	c 08	N72-33172* #
NASA-CASE-NPO-10417	c 16	N71-33410*	NASA-CASE-NPO-11018	c 08	N72-21200* #	NASA-CASE-NPO-11631	c 10	N73-12244* #
NASA-CASE-NPO-10424-1	c 27	N81-24258* #	NASA-CASE-NPO-11021	c 03	N72-20032* #	NASA-CASE-NPO-11659-1	c 35	N74-12823* #
NASA-CASE-NPO-10431	c 15	N71-29132*	NASA-CASE-NPO-11023	c 09	N72-17155* #	NASA-CASE-NPO-11661	c 07	N73-14130* #
NASA-CASE-NPO-10440	c 15	N72-21466* #	NASA-CASE-NPO-11031	c 07	N71-33606*	NASA-CASE-NPO-11682-1	c 35	N74-15127* #
NASA-CASE-NPO-10447	c 06	N70-11252* #	NASA-CASE-NPO-11036	c 15	N72-24522* #	NASA-CASE-NPO-11686	c 14	N73-25462* #
NASA-CASE-NPO-10467	c 23	N71-26654*	NASA-CASE-NPO-11059	c 15	N72-17454* #	NASA-CASE-NPO-11703-1	c 10	N73-32144* #
NASA-CASE-NPO-10468	c 23	N71-33229*	NASA-CASE-NPO-11064	c 07	N72-11150*	NASA-CASE-NPO-11707	c 07	N73-25161* #
NASA-CASE-NPO-10539	c 07	N71-11285* #	NASA-CASE-NPO-11078	c 09	N72-25262* #	NASA-CASE-NPO-11738-1	c 09	N73-30185* #
NASA-CASE-NPO-10542	c 09	N72-27228* #	NASA-CASE-NPO-11082	c 08	N72-22167* #	NASA-CASE-NPO-11743-1	c 28	N74-27425* #
NASA-CASE-NPO-10548	c 16	N71-24831*	NASA-CASE-NPO-11087	c 23	N71-29125*	NASA-CASE-NPO-11749	c 14	N73-28486* #
NASA-CASE-NPO-10556	c 14	N71-27185*	NASA-CASE-NPO-11088	c 08	N71-29034*	NASA-CASE-NPO-11751	c 07	N73-24176* #
NASA-CASE-NPO-10557	c 27	N78-17214* #	NASA-CASE-NPO-11091	c 18	N72-22567* #	NASA-CASE-NPO-11758-1	c 31	N74-23065* #
NASA-CASE-NPO-10560	c 08	N72-22166* #	NASA-CASE-NPO-11095	c 15	N72-25455* #	NASA-CASE-NPO-11771	c 03	N73-20040* #
NASA-CASE-NPO-10567	c 08	N71-24633*	NASA-CASE-NPO-11103-1	c 35	N77-27367* #	NASA-CASE-NPO-11775	c 26	N72-28761* #
NASA-CASE-NPO-10575	c 03	N72-25019* #	NASA-CASE-NPO-11104	c 08	N72-22165* #	NASA-CASE-NPO-11806-1	c 44	N74-19693* #
NASA-CASE-NPO-10591	c 03	N72-22041* #	NASA-CASE-NPO-11106	c 14	N70-34697* #	NASA-CASE-NPO-11820-1	c 32	N74-19788* #
NASA-CASE-NPO-10595	c 10	N71-25917*	NASA-CASE-NPO-11118	c 03	N72-25021* #	NASA-CASE-NPO-11821-1	c 08	N73-26175* #
NASA-CASE-NPO-10596	c 06	N71-25929*	NASA-CASE-NPO-11120-1	c 34	N74-18552* #	NASA-CASE-NPO-11850-1	c 32	N74-12912* #
NASA-CASE-NPO-10606	c 15	N72-25451* #	NASA-CASE-NPO-11129	c 09	N72-33204* #	NASA-CASE-NPO-11856-1	c 36	N74-15145* #
NASA-CASE-NPO-10607	c 09	N71-27232*	NASA-CASE-NPO-11130	c 08	N72-20176* #	NASA-CASE-NPO-11861-1	c 36	N74-20009* #
NASA-CASE-NPO-10617-1	c 35	N74-22095* #	NASA-CASE-NPO-11133	c 10	N72-20223* #	NASA-CASE-NPO-11868	c 10	N73-20254* #
NASA-CASE-NPO-10619-1	c 35	N77-21393* #	NASA-CASE-NPO-11134	c 09	N72-21246* #	NASA-CASE-NPO-11880	c 28	N73-24783* #
NASA-CASE-NPO-10625	c 09	N71-26182*	NASA-CASE-NPO-11138	c 03	N70-34646* #	NASA-CASE-NPO-11905-1	c 33	N74-12873* #
NASA-CASE-NPO-10629	c 08	N72-18184* #	NASA-CASE-NPO-11140	c 15	N72-17455* #	NASA-CASE-NPO-11919-1	c 35	N74-11284* #
NASA-CASE-NPO-10633	c 03	N72-28025* #	NASA-CASE-NPO-11147	c 14	N72-27408* #	NASA-CASE-NPO-11921-1	c 32	N74-30523* #
NASA-CASE-NPO-10634	c 23	N72-25619* #	NASA-CASE-NPO-11150	c 35	N78-17359* #	NASA-CASE-NPO-11932-1	c 35	N74-23040* #
NASA-CASE-NPO-10636	c 08	N72-25210* #	NASA-CASE-NPO-11156-2	c 33	N75-31331* #	NASA-CASE-NPO-11941-1	c 10	N73-27171* #
NASA-CASE-NPO-10637	c 15	N72-12409*	NASA-CASE-NPO-11161	c 08	N72-25207* #	NASA-CASE-NPO-11942-1	c 33	N73-32818* #
NASA-CASE-NPO-10646	c 15	N71-28467*	NASA-CASE-NPO-11177	c 15	N72-17453* #	NASA-CASE-NPO-11945-1	c 36	N76-18427* #
NASA-CASE-NPO-10649	c 07	N71-24840*	NASA-CASE-NPO-11190	c 03	N71-34044* #	NASA-CASE-NPO-11948-1	c 33	N74-32712* #
NASA-CASE-NPO-10671	c 15	N72-20443* #	NASA-CASE-NPO-11191-1	c 33	N77-22386* #	NASA-CASE-NPO-11951-1	c 37	N74-21065* #
NASA-CASE-NPO-10677	c 05	N72-11084*	NASA-CASE-NPO-11194	c 08	N72-25209* #	NASA-CASE-NPO-11954-1	c 35	N78-29421* #
NASA-CASE-NPO-10679	c 15	N72-21462* #	NASA-CASE-NPO-11201	c 14	N72-27409* #	NASA-CASE-NPO-11961-1	c 44	N76-18643* #
NASA-CASE-NPO-10680	c 31	N73-14855* #	NASA-CASE-NPO-11202	c 15	N72-25450* #	NASA-CASE-NPO-11962-1	c 33	N74-10194* #
NASA-CASE-NPO-10682	c 15	N70-34699* #	NASA-CASE-NPO-11203	c 10	N72-20224* #	NASA-CASE-NPO-11966-1	c 33	N74-17928* #
NASA-CASE-NPO-10691	c 14	N71-26199*	NASA-CASE-NPO-11210	c 11	N72-20244* #	NASA-CASE-NPO-11975-1	c 28	N74-33209* #
NASA-CASE-NPO-10694	c 09	N72-20200* #	NASA-CASE-NPO-11213	c 15	N73-20514* #	NASA-CASE-NPO-11978	c 31	N78-17238* #
NASA-CASE-NPO-10700	c 07	N71-33613*	NASA-CASE-NPO-11222	c 15	N72-25456* #	NASA-CASE-NPO-12000	c 27	N72-25699* #
NASA-CASE-NPO-10701	c 06	N71-28620*	NASA-CASE-NPO-11239	c 14	N73-12446* #	NASA-CASE-NPO-12015	c 27	N73-18764* #
NASA-CASE-NPO-10704	c 15	N72-20445* #	NASA-CASE-NPO-11243	c 07	N72-20154* #	NASA-CASE-NPO-12061-1	c 27	N76-16228* #
NASA-CASE-NPO-10711-1	c 35	N77-21392* #	NASA-CASE-NPO-11253	c 09	N72-17157* #	NASA-CASE-NPO-12070-1	c 28	N73-32606* #
NASA-CASE-NPO-10714	c 06	N69-31244* #	NASA-CASE-NPO-11264	c 07	N72-25174* #	NASA-CASE-NPO-12072	c 28	N72-22772* #
NASA-CASE-NPO-10716	c 09	N71-24892*	NASA-CASE-NPO-11282	c 10	N73-16205* #	NASA-CASE-NPO-12087-1	c 74	N81-19898* #
NASA-CASE-NPO-10721	c 15	N72-27484* #	NASA-CASE-NPO-11283	c 09	N72-25260* #	NASA-CASE-NPO-12106	c 09	N73-15235* #
NASA-CASE-NPO-10722	c 09	N72-20199* #	NASA-CASE-NPO-11291-1	c 14	N73-30388* #	NASA-CASE-NPO-12107	c 08	N71-27255* #
NASA-CASE-NPO-10737	c 28	N72-11709*	NASA-CASE-NPO-11302-1	c 07	N73-13149* #	NASA-CASE-NPO-12109	c 11	N72-22245* #
NASA-CASE-NPO-10743	c 08	N72-21199* #	NASA-CASE-NPO-11302-2	c 32	N74-10132* #	NASA-CASE-NPO-12119-1	c 52	N75-15270* #
NASA-CASE-NPO-10745	c 08	N72-22164* #	NASA-CASE-NPO-11304	c 14	N73-26430* #	NASA-CASE-NPO-12122-1	c 24	N76-14203* #
NASA-CASE-NPO-10747	c 03	N72-22042* #	NASA-CASE-NPO-11307-1	c 10	N73-30205* #	NASA-CASE-NPO-12127-1	c 91	N74-13130* #
NASA-CASE-NPO-10748	c 08	N72-20177* #	NASA-CASE-NPO-11311	c 14	N72-25414* #	NASA-CASE-NPO-12128-1	c 14	N73-32317* #
NASA-CASE-NPO-10753	c 03	N72-26031* #	NASA-CASE-NPO-11317-2	c 36	N74-13205* #	NASA-CASE-NPO-12130-1	c 25	N75-14844* #
NASA-CASE-NPO-10755	c 15	N71-27084*	NASA-CASE-NPO-11322	c 06	N72-25146* #	NASA-CASE-NPO-12131-3	c 37	N80-18400* #
NASA-CASE-NPO-10758	c 14	N73-14427* #	NASA-CASE-NPO-11330	c 33	N73-26958* #	NASA-CASE-NPO-12134-1	c 33	N76-31409* #
NASA-CASE-NPO-10760	c 09	N72-25254* #	NASA-CASE-NPO-11333	c 08	N72-22162* #	NASA-CASE-NPO-12142-1	c 38	N76-28563* #
NASA-CASE-NPO-10764-1	c 14	N73-14428* #	NASA-CASE-NPO-11336-1	c 76	N89-16678* #	NASA-CASE-NPO-12148-1	c 44	N78-27515* #
NASA-CASE-NPO-10764-2	c 35	N75-25122* #	NASA-CASE-NPO-11337-1	c 74	N81-19896* #	NASA-CASE-NPO-13044-1	c 35	N74-15094* #
NASA-CASE-NPO-10765	c 06	N72-20121* #	NASA-CASE-NPO-11338	c 08	N72-25208* #	NASA-CASE-NPO-13050-1	c 36	N75-15029* #
NASA-CASE-NPO-10767-1	c 06	N73-33076* #	NASA-CASE-NPO-11340	c 15	N72-33477* #	NASA-CASE-NPO-13058-1	c 37	N77-22480* #
NASA-CASE-NPO-10767-2	c 06	N72-27151* #	NASA-CASE-NPO-11342	c 09	N72-25248* #	NASA-CASE-NPO-13059-1	c 37	N76-20480* #
NASA-CASE-NPO-10768-2	c 06	N72-27144* #	NASA-CASE-NPO-11358	c 07	N72-25172* #	NASA-CASE-NPO-13063-1	c 25	N76-18245* #

NASA-CASE-NPO-13064-1	c 33	N79-11314* #	NASA-CASE-NPO-13550-1	c 36	N77-26477* #	NASA-CASE-NPO-13969-1	c 76	N79-23798* #
NASA-CASE-NPO-13065-1	c 52	N74-26625* #	NASA-CASE-NPO-13553-1	c 33	N76-32457* #	NASA-CASE-NPO-13970-1	c 33	N81-20352* #
NASA-CASE-NPO-13067-1	c 60	N76-18800* #	NASA-CASE-NPO-13560-1	c 44	N77-10636* #	NASA-CASE-NPO-13982-1	c 32	N79-14267* #
NASA-CASE-NPO-13081-1	c 33	N74-22814* #	NASA-CASE-NPO-13561-1	c 44	N77-10636* #	NASA-CASE-NPO-13993-1	c 72	N79-13826* #
NASA-CASE-NPO-13086-1	c 15	N73-12495* #	NASA-CASE-NPO-13566-1	c 25	N77-32255* #	NASA-CASE-NPO-13999-1	c 35	N78-18395* #
NASA-CASE-NPO-13087-2	c 44	N76-31666* #	NASA-CASE-NPO-13567-1	c 44	N76-29701* #	NASA-CASE-NPO-14000-1	c 33	N79-24254* #
NASA-CASE-NPO-13091-1	c 09	N73-12214* #	NASA-CASE-NPO-13568-1	c 32	N76-21365* #	NASA-CASE-NPO-14001-1	c 27	N81-14076* #
NASA-CASE-NPO-13096-1	c 37	N77-22480* #	NASA-CASE-NPO-13569-2	c 35	N79-14348* #	NASA-CASE-NPO-14005-1	c 71	N79-20827* #
NASA-CASE-NPO-13103-1	c 32	N74-20811* #	NASA-CASE-NPO-13579-1	c 44	N78-17460* #	NASA-CASE-NPO-14009-1	c 32	N79-13214* #
NASA-CASE-NPO-13105-1	c 37	N74-21060* #	NASA-CASE-NPO-13579-2	c 44	N79-24433* #	NASA-CASE-NPO-14014-1	c 37	N79-10420* #
NASA-CASE-NPO-13112-1	c 73	N74-26767* #	NASA-CASE-NPO-13579-3	c 44	N79-24432* #	NASA-CASE-NPO-14019-1	c 32	N79-14268* #
NASA-CASE-NPO-13114-2	c 73	N78-28913* #	NASA-CASE-NPO-13579-4	c 44	N79-14529* #	NASA-CASE-NPO-14021-2	c 27	N80-16163* #
NASA-CASE-NPO-13120-1	c 27	N76-15311* #	NASA-CASE-NPO-13581-2	c 44	N78-31525* #	NASA-CASE-NPO-14022-1	c 32	N78-31321* #
NASA-CASE-NPO-13121-1	c 73	N77-18891* #	NASA-CASE-NPO-13587-1	c 32	N77-32342* #	NASA-CASE-NPO-14035-1	c 32	N83-19968* #
NASA-CASE-NPO-13125-1	c 33	N75-19519* #	NASA-CASE-NPO-13604-1	c 35	N78-31490* #	NASA-CASE-NPO-14054-1	c 32	N82-12297* #
NASA-CASE-NPO-13127-1	c 35	N74-23040* #	NASA-CASE-NPO-13606-2	c 35	N80-18364* #	NASA-CASE-NPO-14056-1	c 33	N79-24257* #
NASA-CASE-NPO-13131-1	c 36	N75-19652* #	NASA-CASE-NPO-13613-1	c 37	N76-29590* #	NASA-CASE-NPO-14058-1	c 44	N79-18443* #
NASA-CASE-NPO-13137-1	c 27	N80-32514* #	NASA-CASE-NPO-13619-1	c 37	N78-16369* #	NASA-CASE-NPO-14066-1	c 74	N79-34011* #
NASA-CASE-NPO-13138-1	c 33	N74-17927* #	NASA-CASE-NPO-13620-1	c 27	N77-30236* #	NASA-CASE-NPO-14078-1	c 72	N80-14877* #
NASA-CASE-NPO-13139-1	c 60	N76-21914* #	NASA-CASE-NPO-13641-1	c 32	N79-24210* #	NASA-CASE-NPO-14079-1	c 25	N80-20334* #
NASA-CASE-NPO-13140-1	c 32	N75-24982* #	NASA-CASE-NPO-13643-1	c 52	N76-29896* #	NASA-CASE-NPO-14092-1	c 52	N80-16725* #
NASA-CASE-NPO-13147-1	c 36	N77-25502* #	NASA-CASE-NPO-13644-1	c 52	N76-29895* #	NASA-CASE-NPO-14093-1	c 35	N80-20563* #
NASA-CASE-NPO-13157-1	c 37	N74-32918* #	NASA-CASE-NPO-13650-1	c 25	N79-28253* #	NASA-CASE-NPO-14096-1	c 44	N80-18551* #
NASA-CASE-NPO-13159-1	c 33	N74-17928* #	NASA-CASE-NPO-13652-1	c 44	N79-17314* #	NASA-CASE-NPO-14100-1	c 44	N79-12541* #
NASA-CASE-NPO-13160-1	c 35	N74-18090* #	NASA-CASE-NPO-13652-2	c 44	N79-24431* #	NASA-CASE-NPO-14101-1	c 52	N80-14687* #
NASA-CASE-NPO-13170-1	c 35	N76-14430* #	NASA-CASE-NPO-13652-3	c 44	N80-14474* #	NASA-CASE-NPO-14103-1	c 28	N78-31255* #
NASA-CASE-NPO-13171-1	c 32	N74-11000* #	NASA-CASE-NPO-13663-1	c 35	N77-14406* #	NASA-CASE-NPO-14109-1	c 28	N80-23471* #
NASA-CASE-NPO-13175-1	c 36	N75-31427* #	NASA-CASE-NPO-13666-1	c 27	N77-13217* #	NASA-CASE-NPO-14110-1	c 28	N81-15119* #
NASA-CASE-NPO-13201-1	c 37	N75-15050* #	NASA-CASE-NPO-13671-1	c 37	N77-31497* #	NASA-CASE-NPO-14112-1	c 46	N79-22679* #
NASA-CASE-NPO-13205-1	c 31	N74-32917* #	NASA-CASE-NPO-13673-1	c 71	N77-26919* #	NASA-CASE-NPO-14124-1	c 46	N80-14603* #
NASA-CASE-NPO-13214-1	c 35	N75-25123* #	NASA-CASE-NPO-13675-1	c 44	N77-32580* #	NASA-CASE-NPO-14126-1	c 44	N79-11470* #
NASA-CASE-NPO-13215-1	c 35	N75-25123* #	NASA-CASE-NPO-13676-1	c 60	N79-20751* #	NASA-CASE-NPO-14130-1	c 34	N79-20335* #
NASA-CASE-NPO-13217-1	c 32	N75-26194* #	NASA-CASE-NPO-13683-1	c 35	N77-14411* #	NASA-CASE-NPO-14134-1	c 71	N79-23753* #
NASA-CASE-NPO-13231-1	c 45	N75-27585* #	NASA-CASE-NPO-13687-1	c 35	N78-18391* #	NASA-CASE-NPO-14140-1	c 31	N78-24387* #
NASA-CASE-NPO-13237-1	c 44	N76-18641* #	NASA-CASE-NPO-13689-2	c 44	N81-29525* #	NASA-CASE-NPO-14140-1	c 43	N81-26509* #
NASA-CASE-NPO-13247-1	c 76	N79-16678* #	NASA-CASE-NPO-13689-4	c 44	N82-28780* #	NASA-CASE-NPO-14143-1	c 25	N81-14015* #
NASA-CASE-NPO-13253-1	c 37	N75-18573* #	NASA-CASE-NPO-13690-1	c 27	N78-19302* #	NASA-CASE-NPO-14152-1	c 32	N80-18252* #
NASA-CASE-NPO-13263-1	c 12	N75-24774* #	NASA-CASE-NPO-13690-2	c 27	N79-14213* #	NASA-CASE-NPO-14162-1	c 60	N81-15706* #
NASA-CASE-NPO-13274-1	c 25	N79-10163* #	NASA-CASE-NPO-13691-1	c 43	N79-17288* #	NASA-CASE-NPO-14163-1	c 33	N81-14220* #
NASA-CASE-NPO-13281-1	c 37	N75-13266* #	NASA-CASE-NPO-13707-1	c 74	N77-28933* #	NASA-CASE-NPO-14167-1	c 60	N81-15706* #
NASA-CASE-NPO-13282	c 38	N78-17396* #	NASA-CASE-NPO-13722-1	c 74	N77-22951* #	NASA-CASE-NPO-14169-1	c 60	N81-15706* #
NASA-CASE-NPO-13283	c 38	N78-17395* #	NASA-CASE-NPO-13731-1	c 39	N78-10493* #	NASA-CASE-NPO-14170-1	c 37	N81-15364* #
NASA-CASE-NPO-13292-1	c 32	N75-15854* #	NASA-CASE-NPO-13732-1	c 44	N79-10513* #	NASA-CASE-NPO-14173-1	c 04	N80-32359* #
NASA-CASE-NPO-13303-1	c 20	N75-24837* #	NASA-CASE-NPO-13734-1	c 44	N78-10554* #	NASA-CASE-NPO-14174-1	c 74	N79-20856* #
NASA-CASE-NPO-13308-1	c 36	N75-30524* #	NASA-CASE-NPO-13736-1	c 44	N77-32583* #	NASA-CASE-NPO-14191-1	c 31	N80-32584* #
NASA-CASE-NPO-13309-1	c 25	N81-19244* #	NASA-CASE-NPO-13753-1	c 32	N77-20289* #	NASA-CASE-NPO-14192-1	c 39	N80-10507* #
NASA-CASE-NPO-13313-1	c 54	N75-27761* #	NASA-CASE-NPO-13758-2	c 31	N81-15154* #	NASA-CASE-NPO-14199-1	c 44	N79-25482* #
NASA-CASE-NPO-13321-1	c 32	N75-26195* #	NASA-CASE-NPO-13759-1	c 74	N78-17867* #	NASA-CASE-NPO-14200-1	c 44	N79-25482* #
NASA-CASE-NPO-13327-1	c 35	N75-23910* #	NASA-CASE-NPO-13763-1	c 44	N78-33526* #	NASA-CASE-NPO-14205-1	c 44	N79-31752* #
NASA-CASE-NPO-13342-1	c 37	N76-16446* #	NASA-CASE-NPO-13764-1	c 27	N78-17215* #	NASA-CASE-NPO-14212-1	c 52	N80-27072* #
NASA-CASE-NPO-13342-2	c 44	N76-29700* #	NASA-CASE-NPO-13772-1	c 35	N78-10429* #	NASA-CASE-NPO-14219-1	c 74	N81-17886* #
NASA-CASE-NPO-13345-1	c 37	N75-19684* #	NASA-CASE-NPO-13786-1	c 44	N80-29835* #	NASA-CASE-NPO-14220-1	c 37	N81-14318* #
NASA-CASE-NPO-13346-1	c 36	N76-29575* #	NASA-CASE-NPO-13792-1	c 35	N77-32455* #	NASA-CASE-NPO-14221-1	c 37	N81-25370* #
NASA-CASE-NPO-13348-1	c 33	N75-31332* #	NASA-CASE-NPO-13801-1	c 36	N78-18410* #	NASA-CASE-NPO-14224-1	c 33	N80-18267* #
NASA-CASE-NPO-13360-1	c 37	N75-25185* #	NASA-CASE-NPO-13802-1	c 71	N78-10837* #	NASA-CASE-NPO-14229-1	c 33	N80-18285* #
NASA-CASE-NPO-13374-1	c 33	N75-19524* #	NASA-CASE-NPO-13804-1	c 33	N80-23559* #	NASA-CASE-NPO-14231-1	c 46	N80-10709* #
NASA-CASE-NPO-13385-1	c 33	N78-18345* #	NASA-CASE-NPO-13808-1	c 35	N78-15461* #	NASA-CASE-NPO-14237-1	c 44	N80-20808* #
NASA-CASE-NPO-13386-1	c 54	N75-27758* #	NASA-CASE-NPO-13810-1	c 44	N77-32582* #	NASA-CASE-NPO-14253-1	c 32	N80-32605* #
NASA-CASE-NPO-13388-1	c 35	N76-16390* #	NASA-CASE-NPO-13812-1	c 33	N77-30365* #	NASA-CASE-NPO-14254-1	c 36	N80-18372* #
NASA-CASE-NPO-13391-1	c 34	N76-27515* #	NASA-CASE-NPO-13813-1	c 44	N78-31526* #	NASA-CASE-NPO-14255-1	c 46	N79-23555* #
NASA-CASE-NPO-13396-1	c 35	N76-18401* #	NASA-CASE-NPO-13817-1	c 44	N79-11471* #	NASA-CASE-NPO-14258-1	c 35	N81-33448* #
NASA-CASE-NPO-13402-1	c 37	N76-18457* #	NASA-CASE-NPO-13821-1	c 44	N78-28594* #	NASA-CASE-NPO-14260-1	c 28	N79-28342* #
NASA-CASE-NPO-13422-1	c 60	N76-14818* #	NASA-CASE-NPO-13823-1	c 37	N81-25371* #	NASA-CASE-NPO-14272-1	c 25	N81-33246* #
NASA-CASE-NPO-13423-1	c 33	N75-31329* #	NASA-CASE-NPO-13828-1	c 37	N79-11405* #	NASA-CASE-NPO-14273-1	c 25	N82-11144* #
NASA-CASE-NPO-13426-1	c 33	N75-31330* #	NASA-CASE-NPO-13830-1	c 32	N80-14281* #	NASA-CASE-NPO-14295-1	c 76	N80-32245* #
NASA-CASE-NPO-13428-1	c 60	N77-12721* #	NASA-CASE-NPO-13836-1	c 32	N78-15323* #	NASA-CASE-NPO-14297-1	c 33	N81-19389* #
NASA-CASE-NPO-13435-1	c 31	N76-14284* #	NASA-CASE-NPO-13839-1	c 31	N78-25256* #	NASA-CASE-NPO-14298-1	c 76	N80-32244* #
NASA-CASE-NPO-13436-1	c 37	N76-20480* #	NASA-CASE-NPO-13847-2	c 85	N79-17747* #	NASA-CASE-NPO-14303-1	c 44	N80-18550* #
NASA-CASE-NPO-13443-1	c 76	N76-20994* #	NASA-CASE-NPO-13848-2	c 85	N79-17747* #	NASA-CASE-NPO-14305-1	c 44	N80-18550* #
NASA-CASE-NPO-13447-1	c 60	N77-12721* #	NASA-CASE-NPO-13849-1	c 28	N80-10374* #	NASA-CASE-NPO-14311-1	c 33	N82-29539* #
NASA-CASE-NPO-13449-1	c 36	N75-32441* #	NASA-CASE-NPO-13858-1	c 28	N79-11231* #	NASA-CASE-NPO-14315-1	c 27	N81-17261* #
NASA-CASE-NPO-13451-1	c 33	N77-14373* #	NASA-CASE-NPO-13859-1	c 28	N79-11231* #	NASA-CASE-NPO-14316-1	c 33	N81-33404* #
NASA-CASE-NPO-13459-1	c 31	N77-10229* #	NASA-CASE-NPO-13862-1	c 35	N79-10391* #	NASA-CASE-NPO-14324-1	c 72	N80-27163* #
NASA-CASE-NPO-13462-1	c 35	N76-24524* #	NASA-CASE-NPO-13867-1	c 27	N78-14164* #	NASA-CASE-NPO-14328-1	c 32	N80-18253* #
NASA-CASE-NPO-13464-1	c 44	N76-18642* #	NASA-CASE-NPO-13872-1	c 33	N78-10377* #	NASA-CASE-NPO-14329-1	c 52	N81-20703* #
NASA-CASE-NPO-13464-2	c 44	N76-29704* #	NASA-CASE-NPO-13877-1	c 45	N82-11634* #	NASA-CASE-NPO-14340-1	c 45	N80-14579* #
NASA-CASE-NPO-13465-1	c 32	N76-31372* #	NASA-CASE-NPO-13886-1	c 32	N78-24391* #	NASA-CASE-NPO-14350-1	c 33	N80-14332* #
NASA-CASE-NPO-13474-1	c 45	N76-21742* #	NASA-CASE-NPO-13899-1	c 27	N80-32515* #	NASA-CASE-NPO-14361-1	c 32	N82-23376* #
NASA-CASE-NPO-13479-1	c 35	N77-10492* #	NASA-CASE-NPO-13904-1	c 25	N79-11152* #	NASA-CASE-NPO-14362-1	c 32	N80-16261* #
NASA-CASE-NPO-13482-1	c 44	N78-13526* #	NASA-CASE-NPO-13906-1	c 54	N79-24652* #	NASA-CASE-NPO-14363-1	c 39	N81-25400* #
NASA-CASE-NPO-13490-1	c 36	N76-31512* #	NASA-CASE-NPO-13907-1	c 28	N80-10374* #	NASA-CASE-NPO-14369-1	c 44	N83-10501* #
NASA-CASE-NPO-13497-1	c 44	N76-14602* #	NASA-CASE-NPO-13909-1	c 33	N78-25319* #	NASA-CASE-NPO-14372-1	c 35	N80-26635* #
NASA-CASE-NPO-13504-1	c 33	N75-30430* #	NASA-CASE-NPO-13910-1	c 52	N79-27836* #	NASA-CASE-NPO-14381-1	c 31	N78-24387* #
NASA-CASE-NPO-13506-1	c 35	N76-15435* #	NASA-CASE-NPO-13913-1	c 52	N79-12694* #	NASA-CASE-NPO-14382-1	c 31	N80-18231* #
NASA-CASE-NPO-13510-1	c 44	N77-32581* #	NASA-CASE-NPO-13914-1	c 44	N78-31526* #	NASA-CASE-NPO-14382-1	c 43	N81-26509* #
NASA-CASE-NPO-13512-1	c 33	N77-10428* #	NASA-CASE-NPO-13918-1	c 76	N79-11920* #	NASA-CASE-NPO-14384-1	c 37	N80-10494* #
NASA-CASE-NPO-13519-1	c 33	N76-19338* #	NASA-CASE-NPO-13921-1	c 44	N79-14526* #	NASA-CASE-NPO-14388-1	c 37	N81-17432* #
NASA-CASE-NPO-13528-1	c 09	N77-10071* #	NASA-CASE-NPO-13930-1	c 52	N79-14749* #	NASA-CASE-NPO-14395-1	c 37	N82-21587* #
NASA-CASE-NPO-13530-1	c 25	N81-17187* #	NASA-CASE-NPO-13935-1	c 52	N79-14751* #	NASA-CASE-NPO-14402-1	c 52	N81-27783* #
NASA-CASE-NPO-13531-1	c 36	N76-24553* #	NASA-CASE-NPO-13937-1	c 44	N78-31527* #	NASA-CASE-NPO-14406-1	c 37	N80-29703* #
NASA-CASE-NPO-13535-1	c 37	N76-31524* #	NASA-CASE-NPO-13941-1	c 32	N79-10262* #	NASA-CASE-NPO-14410-1	c 33	N79-25314* #
NASA-CASE-NPO-13540-1	c 35	N77-14409* #	NASA-CASE-NPO-13944-1	c 52	N79-14751* #	NASA-CASE-NPO-14410-2	c 33	N82-25440* #
NASA-CASE-NPO-13541-1	c 37	N79-14383* #	NASA-CASE-NPO-13945-1	c 36	N78-27402* #	NASA-CASE-NPO-14416-1	c 44	N81-14389* #
NASA-CASE-NPO-13543-1	c 32	N77-12240* #	NASA-CASE-NPO-13948-1	c 35	N78-25391* #	NASA-CASE-NPO-14424-1	c 43	N80-32650* #
NASA-CASE-NPO-13544-1	c 36	N76-18428* #	NASA-CASE-NPO-13953-1	c 35	N79-28527* #	NASA-CASE-NPO-14426-1	c 33	N79-17134* #
NASA-CASE-NPO-13545-1	c 32	N77-12240* #	NASA-CASE-NPO-13958-1	c 25	N79-11151* #	NASA-CASE-NPO-14426-1	c 33	N81-27396* #

REPORT NUMBER INDEX

NASA-CASE-XFR-08403

NASA-CASE-NPO-14430-1	c 33	N80-32650* #	NASA-CASE-NPO-15375-1	c 74	N83-18485* #	NASA-CASE-WOO-00625	c 37	N78-17385* #
NASA-CASE-NPO-14435-1	c 33	N81-33405* #	NASA-CASE-NPO-15388-1	c 44	N82-10496* #			
NASA-CASE-NPO-14444-1	c 33	N81-15192* #	NASA-CASE-NPO-15398-1	c 35	N81-33449* #	NASA-CASE-XAC-00001	c 15	N71-28952* #
NASA-CASE-NPO-14448-1	c 74	N81-29963* #	NASA-CASE-NPO-15399-1	c 75	N82-24079* #	NASA-CASE-XAC-00030	c 14	N70-34820* #
NASA-CASE-NPO-14467-1	c 44	N79-31753* #	NASA-CASE-NPO-15400-1	c 34	N83-31993* #	NASA-CASE-XAC-00042	c 14	N70-34816* #
NASA-CASE-NPO-14473-1	c 37	N80-23654* #	NASA-CASE-NPO-15401-1	c 32	N83-27085* #	NASA-CASE-XAC-00048	c 02	N71-29128* #
NASA-CASE-NPO-14474-1	c 26	N80-14229* #	NASA-CASE-NPO-15406-1	c 33	N82-12345* #	NASA-CASE-XAC-00060	c 09	N70-39915* #
NASA-CASE-NPO-14477-1	c 28	N80-28536* #	NASA-CASE-NPO-15419-1	c 44	N81-27599* #	NASA-CASE-XAC-00073	c 14	N70-34813* #
NASA-CASE-NPO-14480-1	c 32	N80-20448* #	NASA-CASE-NPO-15423-1	c 91	N82-25042* #	NASA-CASE-XAC-00074	c 15	N70-34817* #
NASA-CASE-NPO-14501-1	c 35	N80-18357* #	NASA-CASE-NPO-15426-1	c 45	N83-20447* #	NASA-CASE-XAC-00086	c 09	N70-33182* #
NASA-CASE-NPO-14502-1	c 74	N81-17888* #	NASA-CASE-NPO-15430-1	c 46	N82-26890* #	NASA-CASE-XAC-00139	c 02	N70-34856* #
NASA-CASE-NPO-14505-1	c 33	N81-19393* #	NASA-CASE-NPO-15431-1	c 25	N81-29178* #	NASA-CASE-XAC-00319	c 25	N70-41628* #
NASA-CASE-NPO-14513-1	c 35	N81-14287* #	NASA-CASE-NPO-15433-1	c 62	N83-20634* #	NASA-CASE-XAC-00399	c 11	N70-34815* #
NASA-CASE-NPO-14519-1	c 32	N80-23524* #	NASA-CASE-NPO-15435-1	c 71	N81-27887* #	NASA-CASE-XAC-00404	c 08	N70-40125* #
NASA-CASE-NPO-14521-1	c 54	N79-20746* #	NASA-CASE-NPO-15437-1	c 71	N83-36846* #	NASA-CASE-XAC-00405	c 05	N70-41819* #
NASA-CASE-NPO-14521-1	c 37	N81-27519* #	NASA-CASE-NPO-15437-1	c 46	N82-26890* #	NASA-CASE-XAC-00435	c 09	N70-35440* #
NASA-CASE-NPO-14524-1	c 32	N80-24510* #	NASA-CASE-NPO-15453-1	c 71	N83-32515* #	NASA-CASE-XAC-00472	c 15	N70-40180* #
NASA-CASE-NPO-14525-1	c 32	N79-19195* #	NASA-CASE-NPO-15458-1	c 76	N83-25587* #	NASA-CASE-XAC-00648	c 14	N70-40400* #
NASA-CASE-NPO-14525-2	c 32	N83-31918* #	NASA-CASE-NPO-15464-1	c 74	N83-25540* #	NASA-CASE-XAC-00731	c 11	N71-15960* #
NASA-CASE-NPO-14527-1	c 32	N80-24510* #	NASA-CASE-NPO-15465-1	c 18	N82-10106* #	NASA-CASE-XAC-00812	c 14	N71-15598* #
NASA-CASE-NPO-14536-1	c 32	N81-14185* #	NASA-CASE-NPO-15466-1	c 71	N82-27087* #	NASA-CASE-XAC-00942	c 10	N71-16042* #
NASA-CASE-NPO-14542-1	c 25	N82-23282* #	NASA-CASE-NPO-15482-1	c 37	N83-36844* #	NASA-CASE-XAC-01101	c 14	N70-41957* #
NASA-CASE-NPO-14544-1	c 46	N82-12685* #	NASA-CASE-NPO-15483-1	c 37	N82-28642* #	NASA-CASE-XAC-01158	c 15	N71-23051* #
NASA-CASE-NPO-14549-2	c 52	N82-33996* #	NASA-CASE-NPO-15494-1	c 35	N82-25484* #	NASA-CASE-XAC-01404	c 05	N70-41581* #
NASA-CASE-NPO-14554-1	c 60	N81-27814* #	NASA-CASE-NPO-15496-1	c 44	N82-28784* #	NASA-CASE-XAC-01591	c 31	N71-17729* #
NASA-CASE-NPO-14556-1	c 33	N82-24418* #	NASA-CASE-NPO-15516-1	c 36	N82-25482* #	NASA-CASE-XAC-01652	c 14	N71-23037* #
NASA-CASE-NPO-14558-1	c 46	N80-24906* #	NASA-CASE-NPO-15519-1	c 32	N82-12298* #	NASA-CASE-XAC-01677	c 09	N71-20816* #
NASA-CASE-NPO-14565-2	c 25	N83-19826* #	NASA-CASE-NPO-15522-1	c 71	N83-32516* #	NASA-CASE-XAC-02058	c 02	N71-16087* #
NASA-CASE-NPO-14567-1	c 33	N83-18996* #	NASA-CASE-NPO-15530-1	c 76	N83-35888* #	NASA-CASE-XAC-02405	c 09	N71-16089* #
NASA-CASE-NPO-14579-1	c 32	N80-18253* #	NASA-CASE-NPO-15539-1	c 37	N82-11469* #	NASA-CASE-XAC-02407	c 14	N69-27423* #
NASA-CASE-NPO-14588-1	c 32	N81-25278* #	NASA-CASE-NPO-15553-1	c 33	N83-12335* #	NASA-CASE-XAC-02807	c 09	N71-23021* #
NASA-CASE-NPO-14590-1	c 32	N80-18253* #	NASA-CASE-NPO-15558-1	c 35	N82-26636* #	NASA-CASE-XAC-02877	c 14	N70-41681* #
NASA-CASE-NPO-14596-1	c 31	N81-33319* #	NASA-CASE-NPO-15559-1	c 71	N82-29112* #	NASA-CASE-XAC-02970	c 14	N69-39986* #
NASA-CASE-NPO-14596-3	c 31	N83-31896* #	NASA-CASE-NPO-15562-1	c 71	N82-27086* #	NASA-CASE-XAC-02981	c 14	N71-21072* #
NASA-CASE-NPO-14597-1	c 37	N79-23431* #	NASA-CASE-NPO-15592-1	c 31	N83-17746* #	NASA-CASE-XAC-03107	c 23	N71-16098* #
NASA-CASE-NPO-14597-2	c 37	N83-29708* #	NASA-CASE-NPO-15609-1	c 25	N83-36119* #	NASA-CASE-XAC-03392	c 03	N70-41954* #
NASA-CASE-NPO-14617-1	c 33	N81-24338* #	NASA-CASE-NPO-15617-1	c 35	N82-33681* #	NASA-CASE-XAC-03740	c 14	N71-26135* #
NASA-CASE-NPO-14619-1	c 44	N81-17518* #	NASA-CASE-NPO-15622-1	c 91	N82-25042* #	NASA-CASE-XAC-03777	c 10	N71-15909* #
NASA-CASE-NPO-14632-1	c 32	N82-18443* #	NASA-CASE-NPO-15625-1	c 76	N83-20789* #	NASA-CASE-XAC-04030	c 10	N71-19472* #
NASA-CASE-NPO-14635-1	c 44	N80-24741* #	NASA-CASE-NPO-15629-1	c 44	N82-26779* #	NASA-CASE-XAC-04031	c 08	N71-18594* #
NASA-CASE-NPO-14640-1	c 32	N80-32605* #	NASA-CASE-NPO-15640-1	c 27	N83-19904* #	NASA-CASE-XAC-04458	c 14	N71-24232* #
NASA-CASE-NPO-14641-1	c 32	N81-29308* #	NASA-CASE-NPO-15644-1	c 72	N82-24953* #	NASA-CASE-XAC-04485	c 14	N71-23790* #
NASA-CASE-NPO-14657-1	c 74	N81-17887* #	NASA-CASE-NPO-15651-1	c 32	N82-26523* #	NASA-CASE-XAC-04886-1	c 14	N71-20439* #
NASA-CASE-NPO-14670-1	c 44	N81-19558* #	NASA-CASE-NPO-15658-1	c 26	N83-19890* #	NASA-CASE-XAC-05333	c 11	N71-22875* #
NASA-CASE-NPO-14749-1	c 32	N81-14186* #	NASA-CASE-NPO-15662-1	c 44	N82-28785* #	NASA-CASE-XAC-05422	c 04	N71-23185* #
NASA-CASE-NPO-14782-1	c 36	N82-28616* #	NASA-CASE-NPO-15689-1	c 35	N82-24475* #	NASA-CASE-XAC-05462-2	c 10	N72-17171* #
NASA-CASE-NPO-14813-1	c 74	N82-24072* #	NASA-CASE-NPO-15696-1	c 36	N82-28619* #	NASA-CASE-XAC-05506-1	c 24	N71-16095* #
NASA-CASE-NPO-14831-1	c 76	N82-30105* #	NASA-CASE-NPO-15704-1	c 32	N82-28502* #	NASA-CASE-XAC-05632	c 32	N71-23971* #
NASA-CASE-NPO-14839-1	c 35	N82-15381* #	NASA-CASE-NPO-15706-1	c 35	N82-26633* #	NASA-CASE-XAC-05695	c 25	N71-16073* #
NASA-CASE-NPO-14845-1	c 27	N82-28442* #	NASA-CASE-NPO-15722-1	c 35	N83-20084* #	NASA-CASE-XAC-05706	c 05	N71-12342* #
NASA-CASE-NPO-14857-1	c 27	N83-19900* #	NASA-CASE-NPO-15743-1	c 32	N83-19969* #	NASA-CASE-XAC-05902	c 11	N71-18578* #
NASA-CASE-NPO-14864-1	c 74	N83-19597* #	NASA-CASE-NPO-15753-1	c 33	N82-23396* #	NASA-CASE-XAC-06029-1	c 31	N71-24813* #
NASA-CASE-NPO-14876-2	c 28	N82-25394* #	NASA-CASE-NPO-15759-1	c 35	N82-26630* #	NASA-CASE-XAC-06302	c 08	N71-19763* #
NASA-CASE-NPO-14902-1	c 25	N82-29371* #	NASA-CASE-NPO-15767-1	c 28	N82-12241* #	NASA-CASE-XAC-06956	c 15	N71-21177* #
NASA-CASE-NPO-14936-1	c 47	N83-32232* #	NASA-CASE-NPO-15772-1	c 76	N82-23031* #	NASA-CASE-XAC-07043	c 05	N71-23161* #
NASA-CASE-NPO-14940-1	c 33	N83-31954* #	NASA-CASE-NPO-15786-1	c 25	N82-26397* #	NASA-CASE-XAC-08494	c 30	N71-15990* #
NASA-CASE-NPO-14987-1	c 24	N83-33950* #	NASA-CASE-NPO-15789-1	c 31	N83-19947* #	NASA-CASE-XAC-08972	c 02	N71-20570* #
NASA-CASE-NPO-14998-1	c 33	N81-15194* #	NASA-CASE-NPO-15790-1	c 36	N83-33137* #	NASA-CASE-XAC-08981	c 09	N69-39987* #
NASA-CASE-NPO-14998-1	c 32	N83-18975* #	NASA-CASE-NPO-15800-1	c 76	N83-15149* #	NASA-CASE-XAC-09489-1	c 15	N71-26673* #
NASA-CASE-NPO-15015-1	c 25	N82-28368* #	NASA-CASE-NPO-15801-1	c 74	N83-25541* #	NASA-CASE-XAC-10019	c 15	N71-23809* #
NASA-CASE-NPO-15021-1	c 36	N83-10417* #	NASA-CASE-NPO-15805-1	c 74	N83-20757* #	NASA-CASE-XAC-10607	c 10	N71-23668* #
NASA-CASE-NPO-15024-1	c 32	N82-10286* #	NASA-CASE-NPO-15808-1	c 44	N82-29714* #	NASA-CASE-XAC-10608-1	c 09	N71-12517* #
NASA-CASE-NPO-15036-1	c 74	N82-19029* #	NASA-CASE-NPO-15813-1	c 76	N83-30269* #	NASA-CASE-XAC-10768	c 09	N71-18830* #
NASA-CASE-NPO-15037-1	c 37	N80-26660* #	NASA-CASE-NPO-15828-1	c 74	N83-30222* #	NASA-CASE-XAC-10770-1	c 16	N71-24828* #
NASA-CASE-NPO-15066-1	c 33	N82-29538* #	NASA-CASE-NPO-15844-1	c 74	N83-12992* #	NASA-CASE-XAC-11225	c 14	N69-27486* #
NASA-CASE-NPO-15070-1	c 31	N83-35176* #	NASA-CASE-NPO-15851-1	c 73	N83-12986* #			
NASA-CASE-NPO-15071-1	c 44	N82-16475* #	NASA-CASE-NPO-15865-1	c 74	N83-12991* #	NASA-CASE-XAR-01547	c 05	N69-21473* #
NASA-CASE-NPO-15100-1	c 28	N81-33306* #	NASA-CASE-NPO-15891-1	c 25	N83-36120* #	NASA-CASE-XAR-03786	c 09	N69-21313* #
NASA-CASE-NPO-15102-1	c 25	N81-25159* #	NASA-CASE-NPO-15899-1	c 32	N83-19970* #			
NASA-CASE-NPO-15111-1	c 36	N82-29589* #	NASA-CASE-NPO-15904-1	c 76	N83-21993* #	NASA-CASE-XER-07894	c 09	N71-18721* #
NASA-CASE-NPO-15115-1	c 37	N82-24493* #	NASA-CASE-NPO-15907-1	c 25	N83-36121* #	NASA-CASE-XER-07895	c 26	N72-25679* #
NASA-CASE-NPO-15155-1	c 74	N81-22894* #	NASA-CASE-NPO-15920-1	c 32	N82-33593* #	NASA-CASE-XER-07896-2	c 23	N72-22673* #
NASA-CASE-NPO-15161-1	c 33	N82-26575* #	NASA-CASE-NPO-15924-1	c 25	N83-36122* #	NASA-CASE-XER-08476-1	c 26	N72-17620* #
NASA-CASE-NPO-15179-1	c 44	N82-26777* #	NASA-CASE-NPO-15935-1	c 33	N83-12334* #	NASA-CASE-XER-09213	c 07	N71-12390* #
NASA-CASE-NPO-15183-1	c 44	N82-26776* #	NASA-CASE-NPO-15939-1	c 43	N83-20324* #	NASA-CASE-XER-09519	c 14	N71-18483* #
NASA-CASE-NPO-15197-1	c 52	N83-25346* #	NASA-CASE-NPO-15943-1	c 36	N83-20092* #	NASA-CASE-XER-09521	c 09	N72-12136* #
NASA-CASE-NPO-15201-1	c 36	N83-35350* #	NASA-CASE-NPO-15949-1	c 37	N83-20155* #	NASA-CASE-XER-11019	c 09	N71-23598* #
NASA-CASE-NPO-15202-1	c 27	N83-34043* #	NASA-CASE-NPO-15960-1	c 37	N83-36485* #	NASA-CASE-XER-11046-2	c 33	N74-22864* #
NASA-CASE-NPO-15210-1	c 28	N82-26481* #	NASA-CASE-NPO-15980-1	c 36	N82-28618* #	NASA-CASE-XER-11046	c 09	N72-22203* #
NASA-CASE-NPO-15211-1	c 36	N81-24425* #	NASA-CASE-NPO-16000-1	c 36	N83-24842* #	NASA-CASE-XER-11203	c 14	N71-28994* #
NASA-CASE-NPO-15213-1	c 51	N83-17045* #	NASA-CASE-NPO-16021-1	c 33	N83-24769* #			
NASA-CASE-NPO-15220-1	c 45	N83-25217* #	NASA-CASE-NPO-16022-1	c 71	N83-36847* #	NASA-CASE-XFR-00181	c 21	N70-33279* #
NASA-CASE-NPO-15227-1	c 37	N81-33482* #	NASA-CASE-NPO-16027-1	c 33	N83-29595* #	NASA-CASE-XFR-00756	c 02	N71-13421* #
NASA-CASE-NPO-15251-1	c 31	N83-31897* #	NASA-CASE-NPO-16038-1	c 37	N83-20157* #	NASA-CASE-XFR-00811	c 15	N70-36901* #
NASA-CASE-NPO-15264-1	c 04	N81-22036* #	NASA-CASE-NPO-16120-1	c 37	N83-36485* #	NASA-CASE-XFR-00929	c 31	N70-34966* #
NASA-CASE-NPO-15269-1	c 44	N82-29710* #	NASA-CASE-NPO-16135-1	c 25	N83-24572* #	NASA-CASE-XFR-02007	c 12	N71-24692* #
NASA-CASE-NPO-15292-1	c 35	N83-27184* #	NASA-CASE-NPO-16203-1	c 44	N83-29806* #	NASA-CASE-XFR-03107	c 09	N71-19449* #
NASA-CASE-NPO-15295-1	c 60	N82-11785* #				NASA-CASE-XFR-03802	c 33	N71-23085* #
NASA-CASE-NPO-15304-1	c 25	N83-31743* #	NASA-CASE-NSTL-10-1	c 25	N82-25335* #	NASA-CASE-XFR-04104	c 03	N70-42073* #
NASA-CASE-NPO-15334-1	c 71	N83-35781* #				NASA-CASE-XFR-04147	c 11	N71-10748* #
NASA-CASE-NPO-15341-1	c 33	N82-12346* #	NASA-CASE-NUC-10107-1	c 33	N74-17930* #	NASA-CASE-XFR-05302	c 15	N71-23254* #
NASA-CASE-NPO-15342-1	c 60	N83-32342* #				NASA-CASE-XFR-05421	c 15	N71-22994* #
NASA-CASE-NPO-15345-1	c 33	N81-27403* #	NASA-CASE-WLP-10002	c 15	N72-17451* #	NASA-CASE-XFR-05637	c 09	N71-19480* #
NASA-CASE-NPO-15351-1	c 06	N83-10040* #	NASA-CASE-WLP-10055-1	c 35	N82-26632* #	NASA-CASE-XFR-07172	c 05	N71-27234* #
NASA-CASE-NPO-15351-2	c 06	N83-17536* #				NASA-CASE-XFR-07658-1	c 05	N71-26293* #
NASA-CASE-NPO-15358-1	c 33	N83-27126* #	NASA-CASE-WOO-00428-1	c 32	N79-19186* #	NASA-CASE-XFR-08403	c 05	N71-11202* #

NASA-CASE-XFR-09479

REPORT NUMBER INDEX

NASA-CASE-XFR-09479	c 14	N69-27503* #	NASA-CASE-XGS-03351	c 31	N71-16081*	NASA-CASE-XKS-06250	c 14	N71-15600* #
NASA-CASE-XFR-10856	c 05	N71-11189* #	NASA-CASE-XGS-03390	c 03	N71-23187*	NASA-CASE-XKS-07814	c 15	N71-27067*
			NASA-CASE-XGS-03427	c 10	N71-23029*	NASA-CASE-XKS-07953	c 15	N71-26134*
NASA-CASE-XGS-00131	c 09	N70-38995* #	NASA-CASE-XGS-03429	c 03	N69-21330* #	NASA-CASE-XKS-08012-2	c 31	N71-15566*
NASA-CASE-XGS-00174	c 08	N70-34743* #	NASA-CASE-XGS-03431	c 21	N71-15642*	NASA-CASE-XKS-08485	c 07	N71-19493*
NASA-CASE-XGS-00260	c 31	N70-37924* #	NASA-CASE-XGS-03501	c 09	N71-20864*	NASA-CASE-XKS-09340	c 07	N71-24614*
NASA-CASE-XGS-00359	c 14	N70-34158* #	NASA-CASE-XGS-03502	c 10	N71-20852*	NASA-CASE-XKS-09348	c 09	N71-13521* #
NASA-CASE-XGS-00373	c 23	N71-15978*	NASA-CASE-XGS-03505	c 03	N71-10608* #	NASA-CASE-XKS-10543	c 07	N71-26292*
NASA-CASE-XGS-00381	c 09	N70-34819* #	NASA-CASE-XGS-03532	c 14	N71-17627*	NASA-CASE-XKS-10804	c 05	N71-24606*
NASA-CASE-XGS-00458	c 09	N70-38604* #	NASA-CASE-XGS-03556	c 27	N70-35534* #			
NASA-CASE-XGS-00466	c 21	N70-34297* #	NASA-CASE-XGS-03632	c 09	N71-23311*	NASA-CASE-XLA-00013	c 15	N71-29136*
NASA-CASE-XGS-00473	c 03	N70-38713* #	NASA-CASE-XGS-03644	c 16	N71-18614* #	NASA-CASE-XLA-00062	c 14	N70-33254*
NASA-CASE-XGS-00587	c 15	N70-35087* #	NASA-CASE-XGS-03736	c 14	N72-22443* #	NASA-CASE-XLA-00087	c 02	N70-33332*
NASA-CASE-XGS-00619	c 30	N70-40016* #	NASA-CASE-XGS-03864	c 15	N69-24320* #	NASA-CASE-XLA-00100	c 14	N70-36807* #
NASA-CASE-XGS-00689	c 08	N70-34787* #	NASA-CASE-XGS-03865	c 14	N69-21363* #	NASA-CASE-XLA-00105	c 28	N70-33285*
NASA-CASE-XGS-00740	c 17	N71-23098*	NASA-CASE-XGS-04047-2	c 03	N72-11062*	NASA-CASE-XLA-00112	c 11	N70-33287*
NASA-CASE-XGS-00769	c 04	N70-41647* #	NASA-CASE-XGS-04119	c 18	N69-39979* #	NASA-CASE-XLA-00113	c 14	N70-33386*
NASA-CASE-XGS-00783	c 30	N71-17788*	NASA-CASE-XGS-04173	c 19	N71-26674*	NASA-CASE-XLA-00115	c 03	N70-33343*
NASA-CASE-XGS-00809	c 21	N70-35427* #	NASA-CASE-XGS-04175	c 15	N71-18579*	NASA-CASE-XLA-00117	c 31	N71-17680*
NASA-CASE-XGS-00823	c 10	N71-15910*	NASA-CASE-XGS-04224	c 10	N71-26418*	NASA-CASE-XLA-00118	c 05	N70-33285*
NASA-CASE-XGS-00824	c 15	N71-16078*	NASA-CASE-XGS-04227	c 15	N71-21744*	NASA-CASE-XLA-00119	c 11	N70-33329*
NASA-CASE-XGS-00829-1	c 44	N79-19447* #	NASA-CASE-XGS-04393	c 21	N71-14159* #	NASA-CASE-XLA-00120	c 21	N70-33181*
NASA-CASE-XGS-00886	c 03	N71-11053*	NASA-CASE-XGS-04478	c 14	N71-24233*	NASA-CASE-XLA-00128	c 15	N70-33725* #
NASA-CASE-XGS-00938	c 32	N70-41367* #	NASA-CASE-XGS-04480	c 16	N69-27491* #	NASA-CASE-XLA-00135	c 14	N70-33322*
NASA-CASE-XGS-00963	c 15	N69-39735* #	NASA-CASE-XGS-04531	c 03	N69-24267* #	NASA-CASE-XLA-00137	c 15	N70-33180*
NASA-CASE-XGS-01013	c 14	N71-23725*	NASA-CASE-XGS-04548	c 15	N71-24045*	NASA-CASE-XLA-00138	c 31	N70-37981* #
NASA-CASE-XGS-01021	c 08	N71-21042*	NASA-CASE-XGS-04554	c 15	N69-39786* #	NASA-CASE-XLA-00141	c 09	N70-33312*
NASA-CASE-XGS-01022	c 07	N71-16088*	NASA-CASE-XGS-04765	c 08	N71-18693*	NASA-CASE-XLA-00142	c 02	N70-33286*
NASA-CASE-XGS-01023	c 14	N71-22992*	NASA-CASE-XGS-04766	c 08	N71-18602*	NASA-CASE-XLA-00147	c 25	N70-34661* #
NASA-CASE-XGS-01036	c 14	N70-40003* #	NASA-CASE-XGS-04767	c 08	N71-12494* #	NASA-CASE-XLA-00149	c 31	N70-37938* #
NASA-CASE-XGS-01052	c 14	N71-15992*	NASA-CASE-XGS-04768	c 08	N71-19437*	NASA-CASE-XLA-00154	c 28	N70-33374*
NASA-CASE-XGS-01110	c 07	N69-24334* #	NASA-CASE-XGS-04799	c 18	N71-24183*	NASA-CASE-XLA-00158	c 26	N70-36805* #
NASA-CASE-XGS-01118	c 10	N71-23662*	NASA-CASE-XGS-04808	c 03	N69-25146* #	NASA-CASE-XLA-00165	c 31	N70-33242*
NASA-CASE-XGS-01143	c 31	N71-15647* #	NASA-CASE-XGS-04879	c 14	N71-20428*	NASA-CASE-XLA-00166	c 02	N70-34178*
NASA-CASE-XGS-01155	c 10	N71-21483*	NASA-CASE-XGS-04987	c 08	N71-20571*	NASA-CASE-XLA-00183	c 14	N70-40239* #
NASA-CASE-XGS-01159	c 21	N71-10678* #	NASA-CASE-XGS-04993	c 14	N71-17574*	NASA-CASE-XLA-00188	c 15	N71-22874*
NASA-CASE-XGS-01222	c 10	N71-20841*	NASA-CASE-XGS-04994	c 09	N69-21543* #	NASA-CASE-XLA-00189	c 33	N70-36846* #
NASA-CASE-XGS-01223	c 07	N71-10609* #	NASA-CASE-XGS-04999	c 09	N69-24317* #	NASA-CASE-XLA-00195	c 02	N70-38009* #
NASA-CASE-XGS-01230	c 08	N71-19544*	NASA-CASE-XGS-05003	c 09	N69-24318* #	NASA-CASE-XLA-00203	c 14	N70-34161* #
NASA-CASE-XGS-01231	c 14	N70-41676* #	NASA-CASE-XGS-05180	c 18	N71-25881*	NASA-CASE-XLA-00204	c 32	N70-36536* #
NASA-CASE-XGS-01245-1	c 35	N79-33449* #	NASA-CASE-XGS-05211	c 07	N69-39980* #	NASA-CASE-XLA-00210	c 30	N70-40309* #
NASA-CASE-XGS-01286-1	c 37	N79-33469* #	NASA-CASE-XGS-05289	c 09	N71-19470*	NASA-CASE-XLA-00221	c 02	N70-33266*
NASA-CASE-XGS-01293-1	c 35	N79-33450* #	NASA-CASE-XGS-05290	c 09	N71-25999*	NASA-CASE-XLA-00229	c 12	N70-33305*
NASA-CASE-XGS-01331	c 14	N71-22996*	NASA-CASE-XGS-05291	c 23	N71-16341*	NASA-CASE-XLA-00230	c 02	N70-33255*
NASA-CASE-XGS-01395	c 03	N69-21539* #	NASA-CASE-XGS-05432	c 03	N71-19438*	NASA-CASE-XLA-00241	c 31	N70-37968* #
NASA-CASE-XGS-01418	c 09	N71-23573*	NASA-CASE-XGS-05434	c 03	N71-20491*	NASA-CASE-XLA-00256	c 31	N71-15663*
NASA-CASE-XGS-01419	c 03	N70-41864* #	NASA-CASE-XGS-05441	c 10	N71-22962*	NASA-CASE-XLA-00258	c 31	N70-38676* #
NASA-CASE-XGS-01451	c 09	N71-10677* #	NASA-CASE-XGS-05532	c 06	N71-17705*	NASA-CASE-XLA-00281	c 21	N70-36943* #
NASA-CASE-XGS-01473	c 09	N71-10673* #	NASA-CASE-XGS-05533	c 04	N69-27487* #	NASA-CASE-XLA-00284	c 15	N71-16075*
NASA-CASE-XGS-01475	c 03	N71-11058* #	NASA-CASE-XGS-05534	c 23	N71-16355*	NASA-CASE-XLA-00302	c 15	N71-16077*
NASA-CASE-XGS-01504	c 16	N70-41578* #	NASA-CASE-XGS-05579	c 31	N71-15676*	NASA-CASE-XLA-00304	c 27	N70-34783* #
NASA-CASE-XGS-01513	c 03	N71-23336*	NASA-CASE-XGS-05582	c 07	N69-27460* #	NASA-CASE-XLA-00326	c 03	N70-34667* #
NASA-CASE-XGS-01537	c 07	N71-23405*	NASA-CASE-XGS-05584-1	c 25	N82-29370* #	NASA-CASE-XLA-00327	c 25	N71-29184*
NASA-CASE-XGS-01587	c 14	N71-15962*	NASA-CASE-XGS-05680	c 14	N71-17585*	NASA-CASE-XLA-00330	c 33	N70-34540* #
NASA-CASE-XGS-01590	c 07	N71-12392* #	NASA-CASE-XGS-05715	c 23	N71-16100*	NASA-CASE-XLA-00349	c 33	N70-37979* #
NASA-CASE-XGS-01593	c 03	N70-35408* #	NASA-CASE-XGS-05718	c 26	N71-16037*	NASA-CASE-XLA-00350	c 02	N70-38011* #
NASA-CASE-XGS-01654	c 31	N71-24750*	NASA-CASE-XGS-05918	c 07	N69-39974* #	NASA-CASE-XLA-00377	c 33	N71-17610*
NASA-CASE-XGS-01674	c 03	N71-29129*	NASA-CASE-XGS-06226	c 10	N71-25950*	NASA-CASE-XLA-00378	c 11	N71-15925*
NASA-CASE-XGS-01725	c 14	N69-39982* #	NASA-CASE-XGS-06306	c 17	N71-16044*	NASA-CASE-XLA-00414	c 07	N70-38200* #
NASA-CASE-XGS-01784	c 10	N71-20782*	NASA-CASE-XGS-06628	c 24	N71-16213*	NASA-CASE-XLA-00415	c 15	N71-16079*
NASA-CASE-XGS-01812	c 07	N71-23001*	NASA-CASE-XGS-07375-1	c 25	N82-29370* #	NASA-CASE-XLA-00471	c 08	N70-34778* #
NASA-CASE-XGS-01881	c 09	N70-40123* #	NASA-CASE-XGS-07397-1	c 25	N82-29370* #	NASA-CASE-XLA-00481	c 14	N70-36824* #
NASA-CASE-XGS-01971	c 15	N71-15922*	NASA-CASE-XGS-07514	c 23	N71-16099*	NASA-CASE-XLA-00482	c 15	N70-36409* #
NASA-CASE-XGS-01983	c 10	N70-41964* #	NASA-CASE-XGS-07752	c 14	N73-30390* #	NASA-CASE-XLA-00487	c 14	N70-40157* #
NASA-CASE-XGS-02011	c 15	N71-20739*	NASA-CASE-XGS-07801	c 09	N71-12513* #	NASA-CASE-XLA-00492	c 14	N70-34799* #
NASA-CASE-XGS-02171	c 09	N69-24324* #	NASA-CASE-XGS-07805	c 15	N72-33476* #	NASA-CASE-XLA-00493	c 11	N70-34786* #
NASA-CASE-XGS-02290	c 07	N71-28809*	NASA-CASE-XGS-08259	c 14	N71-23698*	NASA-CASE-XLA-00495	c 14	N70-41332* #
NASA-CASE-XGS-02317	c 09	N71-23525*	NASA-CASE-XGS-08266	c 14	N69-27432* #	NASA-CASE-XLA-00670	c 08	N71-12501* #
NASA-CASE-XGS-02319	c 14	N71-22965*	NASA-CASE-XGS-08269	c 23	N71-26206*	NASA-CASE-XLA-00675	c 25	N70-33267*
NASA-CASE-XGS-02401	c 14	N69-27485* #	NASA-CASE-XGS-08679	c 10	N71-21473*	NASA-CASE-XLA-00678	c 31	N70-34296* #
NASA-CASE-XGS-02422	c 15	N71-21529*	NASA-CASE-XGS-08718	c 15	N71-24600*	NASA-CASE-XLA-00679	c 15	N70-38601* #
NASA-CASE-XGS-02435	c 18	N71-22998*	NASA-CASE-XGS-08729	c 28	N71-14044* #	NASA-CASE-XLA-00686	c 31	N70-34135* #
NASA-CASE-XGS-02437	c 15	N69-21472* #	NASA-CASE-XGS-09186	c 33	N78-17295* #	NASA-CASE-XLA-00711	c 03	N71-12258* #
NASA-CASE-XGS-02439	c 14	N71-19431*	NASA-CASE-XGS-09190	c 31	N71-16102*	NASA-CASE-XLA-00754	c 15	N70-34850* #
NASA-CASE-XGS-02440	c 08	N71-19432*	NASA-CASE-XGS-10010	c 03	N72-15986* #	NASA-CASE-XLA-00755	c 01	N71-13410* #
NASA-CASE-XGS-02441	c 15	N70-41629* #	NASA-CASE-XGS-10518	c 16	N71-28554*	NASA-CASE-XLA-00781	c 09	N71-22999*
NASA-CASE-XGS-02554	c 31	N71-21064*	NASA-CASE-XGS-11177	c 09	N71-27001*	NASA-CASE-XLA-00791	c 03	N70-39930* #
NASA-CASE-XGS-02607	c 31	N71-23009*				NASA-CASE-XLA-00793	c 21	N71-22880*
NASA-CASE-XGS-02608	c 07	N70-41678* #	NASA-CASE-XHQ-01208	c 15	N70-35409* #	NASA-CASE-XLA-00805	c 31	N70-38010* #
NASA-CASE-XGS-02610	c 14	N71-23174*	NASA-CASE-XHQ-01897	c 28	N70-35381* #	NASA-CASE-XLA-00806	c 02	N70-34858* #
NASA-CASE-XGS-02612	c 08	N71-19435*	NASA-CASE-XHQ-02146	c 18	N75-27040* #	NASA-CASE-XLA-00838	c 03	N70-36778* #
NASA-CASE-XGS-02629	c 14	N71-21082*	NASA-CASE-XHQ-03673	c 33	N71-29046*	NASA-CASE-XLA-00892	c 33	N71-17897*
NASA-CASE-XGS-02630	c 03	N71-22974*	NASA-CASE-XHQ-03903	c 15	N69-21922* #	NASA-CASE-XLA-00898	c 02	N70-36804* #
NASA-CASE-XGS-02631	c 03	N71-23006*	NASA-CASE-XHQ-04106	c 14	N70-40240* #	NASA-CASE-XLA-00901	c 07	N71-10775* #
NASA-CASE-XGS-02749	c 07	N69-39978* #				NASA-CASE-XLA-00934	c 14	N71-22765*
NASA-CASE-XGS-02751	c 09	N71-23015*	NASA-CASE-XKS-01985	c 15	N71-10782* #	NASA-CASE-XLA-00936	c 14	N71-14996* #
NASA-CASE-XGS-02812	c 09	N71-19466*	NASA-CASE-XKS-02342	c 05	N71-11199* #	NASA-CASE-XLA-00937	c 31	N71-17691*
NASA-CASE-XGS-02816	c 07	N69-24323* #	NASA-CASE-XKS-02582	c 15	N71-21234*	NASA-CASE-XLA-00939	c 11	N71-15926*
NASA-CASE-XGS-02884	c 15	N71-22705*	NASA-CASE-XKS-03338	c 15	N71-24043*	NASA-CASE-XLA-00941	c 14	N71-23240*
NASA-CASE-XGS-02889	c 07	N71-11282* #	NASA-CASE-XKS-03381	c 09	N71-22796*	NASA-CASE-XLA-01019	c 15	N70-40156* #
NASA-CASE-XGS-03058	c 10	N71-19547*	NASA-CASE-XKS-03495	c 14	N69-39785* #	NASA-CASE-XLA-01027	c 31	N71-24035*
NASA-CASE-XGS-03095	c 09	N69-27463* #	NASA-CASE-XKS-03509	c 14	N71-23175*	NASA-CASE-XLA-01043	c 28	N71-10780* #
NASA-CASE-XGS-03120	c 15	N71-24047*	NASA-CASE-XKS-04614	c 15	N69-21460* #	NASA-CASE-XLA-01090	c 07	N71-12389* #
NASA-CASE-XGS-03230	c 14	N71-23401*	NASA-CASE-XKS-04631	c 10	N71-23663*	NASA-CASE-XLA-01090	c 16	N71-28963*
NASA-CASE-XGS-03303	c 08	N71-18595*	NASA-CASE-XKS-05932	c 09	N71-26787*	NASA-CASE-XLA-01091	c 15	N71-10672* #
NASA-CASE-XGS-03304	c 09	N71-22988*	NASA-CASE-XKS-06167	c 08	N71-24890*	NASA-CASE-XLA-01127	c 07	N70-41372* #

REPORT NUMBER INDEX

NASA-CASE-XLE-02792

NASA-CASE-XLA-01131	c 14	N71-10774* #	NASA-CASE-XLA-04251	c 18	N71-26100*	NASA-CASE-XLE-00111	c 28	N70-38199* #
NASA-CASE-XLA-01141	c 15	N71-13789* #	NASA-CASE-XLA-04295	c 16	N71-24170*	NASA-CASE-XLE-00143	c 14	N70-36618* #
NASA-CASE-XLA-01163	c 21	N71-15582*	NASA-CASE-XLA-04451	c 02	N71-12243* #	NASA-CASE-XLE-00144	c 28	N70-34860* #
NASA-CASE-XLA-01219	c 10	N71-23084*	NASA-CASE-XLA-04555-1	c 14	N71-25892*	NASA-CASE-XLE-00145	c 28	N70-36806* #
NASA-CASE-XLA-01220	c 02	N70-41863* #	NASA-CASE-XLA-04556	c 14	N69-27484* #	NASA-CASE-XLE-00150	c 28	N70-41818* #
NASA-CASE-XLA-01243	c 33	N71-22792*	NASA-CASE-XLA-04605	c 32	N71-16106*	NASA-CASE-XLE-00151	c 17	N70-33283*
NASA-CASE-XLA-01262	c 15	N71-21404*	NASA-CASE-XLA-04622	c 03	N70-41580* #	NASA-CASE-XLE-00155	c 28	N71-29154*
NASA-CASE-XLA-01288	c 09	N69-21470* #	NASA-CASE-XLA-04804	c 31	N71-23008*	NASA-CASE-XLE-00164	c 15	N70-36411* #
NASA-CASE-XLA-01290	c 02	N70-42016* #	NASA-CASE-XLA-04897	c 15	N72-22482* #	NASA-CASE-XLE-00168	c 11	N70-33278*
NASA-CASE-XLA-01291	c 33	N70-36617* #	NASA-CASE-XLA-04901	c 31	N71-24315*	NASA-CASE-XLE-00170	c 15	N70-36412* #
NASA-CASE-XLA-01326	c 11	N71-21481*	NASA-CASE-XLA-04980-2	c 14	N72-28438* #	NASA-CASE-XLE-00177	c 28	N70-40367* #
NASA-CASE-XLA-01332	c 31	N71-15664* #	NASA-CASE-XLA-04980	c 09	N69-27422* #	NASA-CASE-XLE-00207	c 28	N70-33375*
NASA-CASE-XLA-01339	c 31	N71-15692*	NASA-CASE-XLA-05056	c 15	N72-11389*	NASA-CASE-XLE-00208	c 28	N70-34294* #
NASA-CASE-XLA-01353	c 14	N70-41366* #	NASA-CASE-XLA-05087	c 14	N73-30391* #	NASA-CASE-XLE-00209	c 22	N73-32528* #
NASA-CASE-XLA-01354	c 25	N70-36946* #	NASA-CASE-XLA-05099	c 09	N73-13209* #	NASA-CASE-XLE-00212	c 03	N70-34134* #
NASA-CASE-XLA-01396	c 03	N71-12259* #	NASA-CASE-XLA-05100	c 15	N71-17696*	NASA-CASE-XLE-00222	c 02	N70-37939* #
NASA-CASE-XLA-01400	c 07	N70-41331* #	NASA-CASE-XLA-05332	c 05	N71-11194* #	NASA-CASE-XLE-00228	c 17	N70-38490* #
NASA-CASE-XLA-01401	c 15	N71-21179*	NASA-CASE-XLA-05369	c 31	N71-15687*	NASA-CASE-XLE-00231	c 17	N70-38198* #
NASA-CASE-XLA-01441	c 15	N70-41679* #	NASA-CASE-XLA-05378	c 11	N71-21475*	NASA-CASE-XLE-00243	c 14	N70-38602* #
NASA-CASE-XLA-01446	c 15	N71-21528*	NASA-CASE-XLA-05464	c 21	N71-14132* #	NASA-CASE-XLE-00252	c 11	N70-34844* #
NASA-CASE-XLA-01486	c 01	N71-23497*	NASA-CASE-XLA-05541	c 12	N71-26387*	NASA-CASE-XLE-00266	c 14	N70-34156* #
NASA-CASE-XLA-01494	c 15	N71-24164*	NASA-CASE-XLA-05749	c 15	N71-19569*	NASA-CASE-XLE-00267	c 28	N70-33356*
NASA-CASE-XLA-01530	c 14	N71-23092*	NASA-CASE-XLA-05828	c 01	N71-13411* #	NASA-CASE-XLE-00283	c 17	N70-36616* #
NASA-CASE-XLA-01551	c 14	N71-22989*	NASA-CASE-XLA-05906	c 31	N71-16221*	NASA-CASE-XLE-00288	c 15	N70-34247* #
NASA-CASE-XLA-01552	c 07	N71-11284* #	NASA-CASE-XLA-05966	c 15	N72-12408*	NASA-CASE-XLE-00303	c 15	N70-36535* #
NASA-CASE-XLA-01583	c 02	N70-36825* #	NASA-CASE-XLA-06095	c 01	N69-39981* #	NASA-CASE-XLE-00323	c 28	N70-38505* #
NASA-CASE-XLA-01584	c 14	N71-23269*	NASA-CASE-XLA-06199	c 15	N71-24875*	NASA-CASE-XLE-00335	c 14	N70-35368* #
NASA-CASE-XLA-01731	c 32	N71-21045*	NASA-CASE-XLA-06232	c 25	N71-20563*	NASA-CASE-XLE-00342	c 28	N70-37980* #
NASA-CASE-XLA-01745	c 33	N71-28903*	NASA-CASE-XLA-06339	c 02	N71-13422* #	NASA-CASE-XLE-00345	c 15	N70-38020* #
NASA-CASE-XLA-01781	c 14	N69-39975* #	NASA-CASE-XLA-06683	c 14	N72-28436* #	NASA-CASE-XLE-00353	c 18	N70-39897* #
NASA-CASE-XLA-01782	c 14	N71-26136*	NASA-CASE-XLA-06713	c 14	N71-28991*	NASA-CASE-XLE-00376	c 28	N70-37245* #
NASA-CASE-XLA-01787	c 11	N71-16028*	NASA-CASE-XLA-06824-2	c 02	N71-11037* #	NASA-CASE-XLE-00387	c 33	N70-34812* #
NASA-CASE-XLA-01791	c 14	N71-22991*	NASA-CASE-XLA-06958	c 02	N71-11038* #	NASA-CASE-XLE-00388	c 28	N70-34788* #
NASA-CASE-XLA-01794	c 33	N71-21586*	NASA-CASE-XLA-07390	c 15	N71-18616*	NASA-CASE-XLE-00397	c 15	N70-36492* #
NASA-CASE-XLA-01804	c 02	N70-34160* #	NASA-CASE-XLA-07391	c 12	N71-17579*	NASA-CASE-XLE-00409	c 28	N71-15658*
NASA-CASE-XLA-01807	c 15	N71-10799* #	NASA-CASE-XLA-07424	c 14	N71-18482*	NASA-CASE-XLE-00454	c 23	N71-17802*
NASA-CASE-XLA-01808	c 15	N71-20740*	NASA-CASE-XLA-07430	c 11	N72-22246* #	NASA-CASE-XLE-00455	c 28	N70-38197* #
NASA-CASE-XLA-01832	c 14	N71-21006*	NASA-CASE-XLA-07473	c 15	N71-24895*	NASA-CASE-XLE-00470	c 33	N70-34545* #
NASA-CASE-XLA-01907	c 14	N71-23268*	NASA-CASE-XLA-07497	c 09	N71-12514* #	NASA-CASE-XLE-00503	c 14	N70-34818* #
NASA-CASE-XLA-01926	c 14	N71-15620* #	NASA-CASE-XLA-07728	c 33	N71-22890*	NASA-CASE-XLE-00519	c 28	N70-41576* #
NASA-CASE-XLA-01952	c 08	N71-12507* #	NASA-CASE-XLA-07732	c 08	N71-18751* #	NASA-CASE-XLE-00586	c 15	N71-15968*
NASA-CASE-XLA-01967	c 31	N70-42015* #	NASA-CASE-XLA-07788	c 09	N71-29139*	NASA-CASE-XLE-00620	c 32	N70-41579* #
NASA-CASE-XLA-01987	c 23	N71-23976*	NASA-CASE-XLA-07813	c 14	N72-17328* #	NASA-CASE-XLE-00660	c 28	N70-39925* #
NASA-CASE-XLA-01989	c 21	N70-34295* #	NASA-CASE-XLA-07828	c 08	N71-27057*	NASA-CASE-XLE-00685	c 28	N70-41192* #
NASA-CASE-XLA-01995	c 18	N71-23047*	NASA-CASE-XLA-07829	c 15	N72-16329* #	NASA-CASE-XLE-00688	c 14	N70-41330* #
NASA-CASE-XLA-02050	c 31	N71-22968*	NASA-CASE-XLA-07911	c 15	N71-15571*	NASA-CASE-XLE-00690	c 25	N69-39884* #
NASA-CASE-XLA-02057	c 26	N70-40015* #	NASA-CASE-XLA-08254	c 14	N71-26161*	NASA-CASE-XLE-00702	c 14	N70-40203* #
NASA-CASE-XLA-02059	c 33	N71-24276*	NASA-CASE-XLA-08491	c 05	N69-21380* #	NASA-CASE-XLE-00703	c 15	N71-15967*
NASA-CASE-XLA-02079	c 12	N71-16894*	NASA-CASE-XLA-08493	c 10	N71-19421*	NASA-CASE-XLE-00715	c 15	N70-34859* #
NASA-CASE-XLA-02081	c 20	N71-16281*	NASA-CASE-XLA-08507	c 09	N69-39984*	NASA-CASE-XLE-00720	c 14	N70-40201* #
NASA-CASE-XLA-02131	c 32	N70-42003* #	NASA-CASE-XLA-08530	c 32	N71-25360*	NASA-CASE-XLE-00726	c 17	N71-15644* #
NASA-CASE-XLA-02132	c 31	N71-10582* #	NASA-CASE-XLA-08645	c 15	N69-21465* #	NASA-CASE-XLE-00785	c 33	N71-16104*
NASA-CASE-XLA-02332	c 32	N71-17609*	NASA-CASE-XLA-08646	c 14	N71-17586*	NASA-CASE-XLE-00787	c 14	N71-21090*
NASA-CASE-XLA-02551	c 21	N71-21708*	NASA-CASE-XLA-08799	c 10	N71-27272*	NASA-CASE-XLE-00808	c 24	N71-10560* #
NASA-CASE-XLA-02605	c 14	N71-10773* #	NASA-CASE-XLA-08801-1	c 02	N71-11043* #	NASA-CASE-XLE-00810	c 15	N70-34861* #
NASA-CASE-XLA-02609	c 09	N72-25256* #	NASA-CASE-XLA-08802	c 06	N71-11238* #	NASA-CASE-XLE-00815	c 15	N70-35407* #
NASA-CASE-XLA-02619	c 10	N71-26334*	NASA-CASE-XLA-08911	c 15	N71-27214*	NASA-CASE-XLE-00817	c 28	N70-33265*
NASA-CASE-XLA-02651	c 28	N70-41967* #	NASA-CASE-XLA-08913	c 14	N71-28933*	NASA-CASE-XLE-00820	c 14	N71-16014*
NASA-CASE-XLA-02704	c 11	N69-21540* #	NASA-CASE-XLA-08916-2	c 14	N73-28487* #	NASA-CASE-XLE-00953	c 15	N71-15966*
NASA-CASE-XLA-02705	c 08	N71-15908*	NASA-CASE-XLA-08916	c 15	N71-29018*	NASA-CASE-XLE-01015	c 03	N69-39898* #
NASA-CASE-XLA-02758	c 14	N71-18481*	NASA-CASE-XLA-08966-1	c 17	N71-25903*	NASA-CASE-XLE-01092	c 15	N71-22797*
NASA-CASE-XLA-02809	c 15	N71-22982*	NASA-CASE-XLA-08967	c 02	N71-27088*	NASA-CASE-XLE-01124	c 28	N71-14043* #
NASA-CASE-XLA-02810	c 14	N71-25901*	NASA-CASE-XLA-09122	c 15	N69-27505* #	NASA-CASE-XLE-01182	c 27	N71-15635*
NASA-CASE-XLA-02850	c 09	N71-20447*	NASA-CASE-XLA-09346	c 15	N71-28740*	NASA-CASE-XLE-01246	c 14	N71-10797* #
NASA-CASE-XLA-02854	c 15	N69-27490* #	NASA-CASE-XLA-09371	c 10	N71-18724*	NASA-CASE-XLE-01300	c 15	N70-41993* #
NASA-CASE-XLA-02865	c 28	N71-15563*	NASA-CASE-XLA-09480	c 11	N71-33612*	NASA-CASE-XLE-01399	c 33	N71-15625*
NASA-CASE-XLA-02898	c 05	N71-20268*	NASA-CASE-XLA-09843	c 15	N72-27485* #	NASA-CASE-XLE-01449	c 15	N70-41646* #
NASA-CASE-XLA-03076	c 07	N71-11266* #	NASA-CASE-XLA-09881	c 31	N71-16085*	NASA-CASE-XLE-01481	c 14	N71-10781* #
NASA-CASE-XLA-03102	c 14	N71-21079*	NASA-CASE-XLA-10322	c 15	N72-17452* #	NASA-CASE-XLE-01512	c 12	N70-40124* #
NASA-CASE-XLA-03103	c 25	N71-21693*	NASA-CASE-XLA-10402	c 14	N71-29041*	NASA-CASE-XLE-01533	c 11	N71-10777* #
NASA-CASE-XLA-03104	c 06	N71-11235* #	NASA-CASE-XLA-10450	c 28	N71-21493*	NASA-CASE-XLE-01604-2	c 15	N71-15610* #
NASA-CASE-XLA-03105	c 15	N69-27483* #	NASA-CASE-XLA-10470	c 15	N72-21489* #	NASA-CASE-XLE-01609	c 14	N71-10500* #
NASA-CASE-XLA-03114	c 09	N71-22888*	NASA-CASE-XLA-10772	c 07	N71-28980*	NASA-CASE-XLE-01640	c 31	N71-15637*
NASA-CASE-XLA-03127	c 11	N71-10776* #	NASA-CASE-XLA-11028-1	c 24	N74-27035* #	NASA-CASE-XLE-01645	c 03	N71-20904*
NASA-CASE-XLA-03132	c 31	N71-22969*	NASA-CASE-XLA-11154	c 07	N72-21117* #	NASA-CASE-XLE-01716	c 09	N70-40234* #
NASA-CASE-XLA-03135	c 32	N71-16428*	NASA-CASE-XLA-11189	c 10	N72-20222* #	NASA-CASE-XLE-01765	c 18	N71-10772* #
NASA-CASE-XLA-03213	c 05	N71-11207* #	NASA-CASE-XLA-1349	c 20	N77-17143* #	NASA-CASE-XLE-01783	c 28	N70-34175* #
NASA-CASE-XLA-03271	c 11	N69-24321* #	NASA-CASE-XLA-8914-2	c 25	N82-21269* #	NASA-CASE-XLE-01902	c 28	N71-10574* #
NASA-CASE-XLA-03273	c 14	N71-18699*	NASA-CASE-XLA-8914	c 15	N73-12492* #	NASA-CASE-XLE-01903	c 22	N71-23599*
NASA-CASE-XLA-03356	c 10	N71-23315*				NASA-CASE-XLE-01988	c 27	N71-15634*
NASA-CASE-XLA-03374	c 25	N71-15562*	NASA-CASE-XLE-00005	c 28	N70-39899* #	NASA-CASE-XLE-01997	c 06	N71-23527*
NASA-CASE-XLA-03375	c 16	N71-24074*	NASA-CASE-XLE-00010	c 15	N70-33382*	NASA-CASE-XLE-02008	c 09	N71-21583*
NASA-CASE-XLA-03410	c 16	N71-25914*	NASA-CASE-XLE-00011	c 14	N70-41946* #	NASA-CASE-XLE-02024	c 14	N71-22964*
NASA-CASE-XLA-03492	c 15	N71-22713*	NASA-CASE-XLE-00020	c 15	N70-33226*	NASA-CASE-XLE-02038	c 09	N71-16086*
NASA-CASE-XLA-03497	c 15	N71-23052*	NASA-CASE-XLE-00023	c 15	N70-33330*	NASA-CASE-XLE-02062-1	c 20	N80-14188* #
NASA-CASE-XLA-03538	c 15	N71-24897*	NASA-CASE-XLE-00027	c 33	N71-29152*	NASA-CASE-XLE-02066	c 28	N71-15661*
NASA-CASE-XLA-03645	c 14	N71-20430*	NASA-CASE-XLE-00035	c 33	N71-29151*	NASA-CASE-XLE-02082	c 17	N71-16026*
NASA-CASE-XLA-03659	c 02	N71-11041* #	NASA-CASE-XLE-00037	c 28	N70-33372*	NASA-CASE-XLE-02083	c 03	N69-39893* #
NASA-CASE-XLA-03660	c 15	N71-21060*	NASA-CASE-XLE-00046	c 15	N70-33311*	NASA-CASE-XLE-02367-1	c 31	N79-21225* #
NASA-CASE-XLA-03661	c 15	N71-33518*	NASA-CASE-XLE-00057	c 28	N70-38711* #	NASA-CASE-XLE-02428	c 17	N70-33288*
NASA-CASE-XLA-03691	c 31	N71-15674*	NASA-CASE-XLE-00078	c 28	N70-33284*	NASA-CASE-XLE-02531	c 05	N71-23080*
NASA-CASE-XLA-03724	c 14	N69-27461* #	NASA-CASE-XLE-00085	c 28	N70-39895* #	NASA-CASE-XLE-02545-1	c 76	N79-21910* #
NASA-CASE-XLA-03893	c 10	N71-27271*	NASA-CASE-XLE-00092	c 15	N70-33264*	NASA-CASE-XLE-02578	c 25	N71-20747*
NASA-CASE-XLA-04063	c 31	N71-33160*	NASA-CASE-XLE-00101	c 15	N70-33376*	NASA-CASE-XLE-02624	c 12	N69-39988* #
NASA-CASE-XLA-04126	c 28	N71-26779*	NASA-CASE-XLE-00103	c 28	N70-33241*	NASA-CASE-XLE-02647	c 18	N71-23658*
NASA-CASE-XLA-04143	c 15	N71-17687*	NASA-CASE-XLE-00106	c 15	N71-16076*	NASA-CASE-XLE-02792	c 26	N71-10607* #

NASA-CASE-XLE-02798	c 26	N71-23654*	NASA-CASE-XMF-00479	c 14	N70-34794* #	NASA-CASE-XMF-04958-1	c 10	N71-26414*
NASA-CASE-XLE-02823	c 09	N71-23443*	NASA-CASE-XMF-00480	c 14	N70-39898* #	NASA-CASE-XMF-04966	c 14	N71-17658*
NASA-CASE-XLE-02824	c 03	N69-39890* #	NASA-CASE-XMF-00515	c 15	N70-34664* #	NASA-CASE-XMF-05046	c 33	N71-28892*
NASA-CASE-XLE-02902	c 25	N71-21694*	NASA-CASE-XMF-00517	c 03	N70-34157* #	NASA-CASE-XMF-05114-2	c 15	N71-26148*
NASA-CASE-XLE-02991	c 17	N71-16025* #	NASA-CASE-XMF-00580	c 11	N70-35383* #	NASA-CASE-XMF-05114-3	c 15	N71-24865*
NASA-CASE-XLE-02998	c 14	N70-42074* #	NASA-CASE-XMF-00640	c 15	N70-39924* #	NASA-CASE-XMF-05114	c 15	N71-17650*
NASA-CASE-XLE-02999	c 15	N71-16052*	NASA-CASE-XMF-00641	c 31	N70-36410* #	NASA-CASE-XMF-05195	c 10	N71-24861*
NASA-CASE-XLE-03061-1	c 10	N71-24798*	NASA-CASE-XMF-00658	c 12	N70-38997* #	NASA-CASE-XMF-05224	c 14	N71-23726*
NASA-CASE-XLE-03157	c 28	N71-24736*	NASA-CASE-XMF-00663	c 08	N71-18752*	NASA-CASE-XMF-05279	c 18	N71-16124*
NASA-CASE-XLE-03186-1	c 09	N79-21084* #	NASA-CASE-XMF-00684	c 21	N71-21688*	NASA-CASE-XMF-05344	c 31	N71-16345*
NASA-CASE-XLE-03280	c 14	N71-23093*	NASA-CASE-XMF-00701	c 09	N70-40272* #	NASA-CASE-XMF-05373-1	c 33	N79-21264* #
NASA-CASE-XLE-03307	c 33	N71-14035* #	NASA-CASE-XMF-00722	c 15	N70-40204* #	NASA-CASE-XMF-05757-1	c 31	N79-21227* #
NASA-CASE-XLE-03432	c 33	N71-24145*	NASA-CASE-XMF-00906	c 09	N70-41655* #	NASA-CASE-XMF-05835	c 08	N71-12504* #
NASA-CASE-XLE-03494	c 27	N71-21819*	NASA-CASE-XMF-00908	c 14	N70-40238* #	NASA-CASE-XMF-05843	c 03	N71-11055* #
NASA-CASE-XLE-03512	c 12	N69-21466* #	NASA-CASE-XMF-00923	c 28	N70-36802* #	NASA-CASE-XMF-05844	c 14	N71-17587*
NASA-CASE-XLE-03583	c 31	N71-17629*	NASA-CASE-XMF-00968	c 28	N71-15660*	NASA-CASE-XMF-05868	c 26	N75-27125* #
NASA-CASE-XLE-03629	c 17	N71-23248*	NASA-CASE-XMF-01016	c 26	N71-17818*	NASA-CASE-XMF-05882	c 35	N75-27329* #
NASA-CASE-XLE-03778	c 09	N69-21542* #	NASA-CASE-XMF-01030	c 18	N70-41583* #	NASA-CASE-XMF-05941	c 31	N71-23912*
NASA-CASE-XLE-03803-2	c 15	N71-17651*	NASA-CASE-XMF-01045	c 15	N70-40354* #	NASA-CASE-XMF-05964-1	c 20	N79-21124* #
NASA-CASE-XLE-03803	c 15	N71-23816*	NASA-CASE-XMF-01049	c 15	N71-23049*	NASA-CASE-XMF-05999	c 15	N71-29032*
NASA-CASE-XLE-03804	c 10	N71-19471*	NASA-CASE-XMF-01083	c 15	N71-22723*	NASA-CASE-XMF-06053	c 26	N75-27126* #
NASA-CASE-XLE-03925	c 18	N71-22894*	NASA-CASE-XMF-01096	c 10	N71-16030*	NASA-CASE-XMF-06065	c 15	N71-23095*
NASA-CASE-XLE-03940-2	c 17	N72-28536* #	NASA-CASE-XMF-01097	c 10	N71-16058*	NASA-CASE-XMF-06092	c 07	N71-24612*
NASA-CASE-XLE-03940	c 18	N71-26153*	NASA-CASE-XMF-01099	c 14	N71-15669*	NASA-CASE-XMF-06409	c 06	N71-23230*
NASA-CASE-XLE-04026	c 14	N71-23267*	NASA-CASE-XMF-01129	c 09	N70-38712* #	NASA-CASE-XMF-06515	c 14	N71-23227*
NASA-CASE-XLE-04222	c 23	N71-22881*	NASA-CASE-XMF-01160	c 07	N71-11298* #	NASA-CASE-XMF-06519	c 09	N71-12519* #
NASA-CASE-XLE-04250	c 09	N71-20446*	NASA-CASE-XMF-01174	c 02	N70-41589* #	NASA-CASE-XMF-06531	c 14	N71-17575*
NASA-CASE-XLE-04501	c 09	N71-23190*	NASA-CASE-XMF-01371	c 15	N70-41829* #	NASA-CASE-XMF-06589	c 05	N71-23159*
NASA-CASE-XLE-04503	c 14	N71-24864*	NASA-CASE-XMF-01402	c 18	N71-21651*	NASA-CASE-XMF-06617	c 09	N71-24843*
NASA-CASE-XLE-04526	c 03	N71-11052* #	NASA-CASE-XMF-01452	c 15	N70-41371* #	NASA-CASE-XMF-06884-1	c 20	N79-21123* #
NASA-CASE-XLE-04535	c 03	N71-23354*	NASA-CASE-XMF-01483	c 14	N69-27431* #	NASA-CASE-XMF-06888	c 15	N71-24044*
NASA-CASE-XLE-04599	c 22	N72-20597* #	NASA-CASE-XMF-01543	c 31	N71-17730*	NASA-CASE-XMF-06892	c 09	N71-24805*
NASA-CASE-XLE-04603	c 33	N71-21507*	NASA-CASE-XMF-01544	c 28	N70-34162* #	NASA-CASE-XMF-06900-1	c 27	N79-21191* #
NASA-CASE-XLE-04677	c 15	N71-10577* #	NASA-CASE-XMF-01598	c 21	N71-15583*	NASA-CASE-XMF-06926	c 28	N71-22983*
NASA-CASE-XLE-04787	c 03	N71-20492*	NASA-CASE-XMF-01599	c 09	N71-20705*	NASA-CASE-XMF-07069	c 15	N71-23815*
NASA-CASE-XLE-04788	c 09	N71-22987*	NASA-CASE-XMF-01667	c 15	N71-17647*	NASA-CASE-XMF-07488	c 11	N71-18773*
NASA-CASE-XLE-04791	c 32	N74-22096* #	NASA-CASE-XMF-01669	c 21	N71-23289*	NASA-CASE-XMF-07587	c 15	N71-18701*
NASA-CASE-XLE-04857	c 28	N71-23968*	NASA-CASE-XMF-01730	c 15	N71-23050*	NASA-CASE-XMF-07770-2	c 18	N71-26772*
NASA-CASE-XLE-04946	c 17	N71-24911*	NASA-CASE-XMF-01772	c 11	N70-41677* #	NASA-CASE-XMF-07808	c 15	N71-23812*
NASA-CASE-XLE-05033	c 15	N71-23810*	NASA-CASE-XMF-01779	c 12	N71-20815*	NASA-CASE-XMF-08217	c 03	N71-23239*
NASA-CASE-XLE-05079	c 15	N71-17652*	NASA-CASE-XMF-01813	c 28	N70-41582* #	NASA-CASE-XMF-08522	c 15	N71-19486*
NASA-CASE-XLE-05130-2	c 15	N71-19570*	NASA-CASE-XMF-01887	c 15	N71-10617* #	NASA-CASE-XMF-08523	c 31	N71-20396*
NASA-CASE-XLE-05130	c 15	N69-21362* #	NASA-CASE-XMF-01892	c 10	N71-22986*	NASA-CASE-XMF-08651	c 06	N71-11236* #
NASA-CASE-XLE-05230-2	c 14	N73-13417* #	NASA-CASE-XMF-01899	c 31	N70-41948* #	NASA-CASE-XMF-08652	c 06	N71-11243* #
NASA-CASE-XLE-05230	c 14	N72-27410* #	NASA-CASE-XMF-01973	c 31	N70-41588* #	NASA-CASE-XMF-08655	c 06	N71-11239* #
NASA-CASE-XLE-05260	c 14	N71-20429*	NASA-CASE-XMF-01974	c 14	N71-22752*	NASA-CASE-XMF-08656	c 06	N71-11242* #
NASA-CASE-XLE-05641-1	c 15	N71-26346*	NASA-CASE-XMF-02039	c 15	N71-15677* #	NASA-CASE-XMF-08665	c 10	N71-19467*
NASA-CASE-XLE-05689	c 28	N71-15659*	NASA-CASE-XMF-02107	c 15	N71-10809* #	NASA-CASE-XMF-08674	c 06	N71-28807*
NASA-CASE-XLE-05913	c 33	N71-14032* #	NASA-CASE-XMF-02108	c 31	N70-36845* #	NASA-CASE-XMF-08804	c 09	N71-24717*
NASA-CASE-XLE-06094	c 33	N78-17293* #	NASA-CASE-XMF-02221	c 18	N71-27170*	NASA-CASE-XMF-09422	c 07	N71-19436*
NASA-CASE-XLE-06461-2	c 17	N72-28535* #	NASA-CASE-XMF-02263	c 05	N74-10907* #	NASA-CASE-XMF-09902	c 15	N72-11387*
NASA-CASE-XLE-06461	c 17	N72-22530* #	NASA-CASE-XMF-02303	c 17	N71-23828*	NASA-CASE-XMF-10040	c 15	N71-28877*
NASA-CASE-XLE-06773	c 15	N71-23817*	NASA-CASE-XMF-02307	c 14	N71-10779* #	NASA-CASE-XMF-10289	c 14	N71-23699*
NASA-CASE-XLE-06774-2	c 06	N72-25150* #	NASA-CASE-XMF-02330	c 15	N71-23798* #	NASA-CASE-XMF-10753	c 06	N71-11237* #
NASA-CASE-XLE-06969	c 17	N71-24142*	NASA-CASE-XMF-02392	c 32	N71-24285*	NASA-CASE-XMF-10968	c 14	N71-24234*
NASA-CASE-XLE-07087	c 06	N69-39889* #	NASA-CASE-XMF-02433	c 14	N71-10616* #	NASA-CASE-XMF-14032	c 20	N71-16340*
NASA-CASE-XLE-08511-2	c 18	N71-16105*	NASA-CASE-XMF-02526-1	c 27	N79-21190* #	NASA-CASE-XMF-14301	c 09	N71-23186*
NASA-CASE-XLE-08511	c 18	N71-23710*	NASA-CASE-XMF-02527-1	c 27	N79-21190* #			
NASA-CASE-XLE-08569-2	c 03	N71-24681*	NASA-CASE-XMF-02584	c 06	N71-20905*	NASA-CASE-XMS-00259	c 18	N70-36400* #
NASA-CASE-XLE-08569	c 03	N71-23449*	NASA-CASE-XMF-02783-1	c 27	N79-21190* #	NASA-CASE-XMS-00486	c 33	N70-33344*
NASA-CASE-XLE-08917-2	c 15	N71-24836*	NASA-CASE-XMF-02786	c 17	N71-20743*	NASA-CASE-XMS-00583	c 28	N70-38504* #
NASA-CASE-XLE-08917	c 15	N71-15597* #	NASA-CASE-XMF-02822	c 14	N70-41994* #	NASA-CASE-XMS-00784	c 05	N71-12335* #
NASA-CASE-XLE-09341	c 12	N71-28741*	NASA-CASE-XMF-02853	c 31	N70-36654* #	NASA-CASE-XMS-00863	c 05	N70-34857* #
NASA-CASE-XLE-09475-1	c 33	N71-15568*	NASA-CASE-XMF-02964	c 14	N71-17659*	NASA-CASE-XMS-00864	c 05	N70-36493* #
NASA-CASE-XLE-09527-2	c 15	N71-26189*	NASA-CASE-XMF-02966	c 10	N71-24863*	NASA-CASE-XMS-00893	c 07	N70-40063* #
NASA-CASE-XLE-09527	c 15	N71-17688*	NASA-CASE-XMF-03074	c 06	N71-24740*	NASA-CASE-XMS-00907	c 02	N70-41630* #
NASA-CASE-XLE-10326-2	c 17	N72-29488* #	NASA-CASE-XMF-03169	c 31	N71-15675*	NASA-CASE-XMS-00913	c 10	N71-23543*
NASA-CASE-XLE-10326-4	c 35	N74-15125* #	NASA-CASE-XMF-03198	c 30	N70-40353* #	NASA-CASE-XMS-00945	c 09	N71-10798* #
NASA-CASE-XLE-10337	c 15	N71-24046*	NASA-CASE-XMF-03212	c 15	N71-22721*	NASA-CASE-XMS-01077-1	c 37	N79-33467* #
NASA-CASE-XLE-103477-1	c 28	N71-20330*	NASA-CASE-XMF-03248	c 11	N71-10604* #	NASA-CASE-XMS-01108	c 15	N69-24322* #
NASA-CASE-XLE-10453-2	c 28	N73-27699* #	NASA-CASE-XMF-03287	c 15	N71-15607* #	NASA-CASE-XMS-01115	c 05	N70-39922* #
NASA-CASE-XLE-10466	c 17	N69-25147* #	NASA-CASE-XMF-03290	c 15	N71-23256*	NASA-CASE-XMS-01177	c 05	N71-19440*
NASA-CASE-XLE-10529	c 14	N69-23191* #	NASA-CASE-XMF-03498	c 15	N71-15986*	NASA-CASE-XMS-01240	c 05	N70-35152* #
NASA-CASE-XLE-10715	c 26	N71-23292*	NASA-CASE-XMF-03511	c 15	N71-22799*	NASA-CASE-XMS-01244-1	c 33	N79-33393* #
NASA-CASE-XLE-10717	c 37	N75-29426* #	NASA-CASE-XMF-03793	c 15	N71-24833*	NASA-CASE-XMS-01295-1	c 37	N79-21345* #
NASA-CASE-XLE-10910	c 18	N71-29040*	NASA-CASE-XMF-03844-1	c 14	N71-26474*	NASA-CASE-XMS-01315	c 09	N70-41675* #
NASA-CASE-XLE-2529-2	c 36	N75-27364* #	NASA-CASE-XMF-03856	c 31	N70-34159* #	NASA-CASE-XMS-01390	c 37	N75-27376* #
NASA-CASE-XLE-2529-3	c 33	N74-20859* #	NASA-CASE-XMF-03873	c 06	N69-39733* #	NASA-CASE-XMS-01445	c 12	N71-16031*
			NASA-CASE-XMF-03934	c 09	N71-22985*	NASA-CASE-XMS-01492	c 05	N70-41297* #
NASA-CASE-XMF-00148	c 28	N70-38710* #	NASA-CASE-XMF-03968	c 14	N71-27186*	NASA-CASE-XMS-01546	c 14	N70-40233* #
NASA-CASE-XMF-00185	c 21	N70-34539* #	NASA-CASE-XMF-03988	c 15	N71-21403*	NASA-CASE-XMS-01554	c 10	N71-10578* #
NASA-CASE-XMF-00324	c 09	N70-34596* #	NASA-CASE-XMF-04042	c 15	N71-23023*	NASA-CASE-XMS-01615	c 05	N70-41329* #
NASA-CASE-XMF-00339	c 15	N70-39896* #	NASA-CASE-XMF-04132	c 15	N69-27502* #	NASA-CASE-XMS-01618	c 14	N71-20741*
NASA-CASE-XMF-00341	c 15	N70-33323*	NASA-CASE-XMF-04133	c 06	N71-20717*	NASA-CASE-XMS-01620	c 23	N71-15673*
NASA-CASE-XMF-00369	c 09	N70-36494* #	NASA-CASE-XMF-04134	c 14	N71-23755*	NASA-CASE-XMS-01624	c 15	N70-40062* #
NASA-CASE-XMF-00375	c 15	N70-34249* #	NASA-CASE-XMF-04163	c 02	N71-23007*	NASA-CASE-XMS-01625	c 15	N71-23022*
NASA-CASE-XMF-00389	c 31	N70-34176* #	NASA-CASE-XMF-04208	c 33	N71-29051*	NASA-CASE-XMS-01816	c 33	N71-15623*
NASA-CASE-XMF-00392	c 15	N70-34814* #	NASA-CASE-XMF-04237	c 33	N71-16278*	NASA-CASE-XMS-01905	c 12	N71-21089*
NASA-CASE-XMF-00411	c 11	N70-36913* #	NASA-CASE-XMF-04238	c 09	N69-39734* #	NASA-CASE-XMS-01906	c 31	N70-41373* #
NASA-CASE-XMF-00421	c 09	N70-34502* #	NASA-CASE-XMF-04367	c 09	N71-23545*	NASA-CASE-XMS-01991	c 09	N71-21449*
NASA-CASE-XMF-00424	c 11	N70-38196* #	NASA-CASE-XMF-04415	c 14	N71-24693*	NASA-CASE-XMS-01994-1	c 14	N72-17326* #
NASA-CASE-XMF-00437	c 07	N70-40202* #	NASA-CASE-XMF-04494-1	c 33	N79-33392* #	NASA-CASE-XMS-02009	c 33	N71-20834*
NASA-CASE-XMF-00442	c 31	N71-10747* #	NASA-CASE-XMF-04592-1	c 20	N79-21125* #	NASA-CASE-XMS-02063	c 03	N71-29044*
NASA-CASE-XMF-00447	c 14	N70-33179*	NASA-CASE-XMF-04593-1	c 20	N79-21125* #	NASA-CASE-XMS-02087	c 09	N70-41717* #
NASA-CASE-XMF-00456	c 14	N70-34705* #	NASA-CASE-XMF-04680	c 15	N71-19489*	NASA-CASE-XMS-02159	c 10	N71-22961*
NASA-CASE-XMF-00462	c 14	N70-34298* #	NASA-CASE-XMF-04709	c 15	N71-15609* #	NASA-CASE-XMS-02182	c 10	N71-28783*

REPORT NUMBER INDEX

NASA-CASE-XNP-05821

NASA-CASE-XMS-02184	c 15	N71-20813*	NASA-CASE-XMS-13052	c 14	N71-20427*	NASA-CASE-XNP-01961	c 26	N71-29156*
NASA-CASE-XMS-02383	c 15	N71-15918*	NASA-CASE-XNP-00214	c 15	N70-36908* #	NASA-CASE-XNP-01962	c 32	N70-41370* #
NASA-CASE-XMS-02399	c 05	N71-22896*	NASA-CASE-XNP-00217	c 28	N70-38181* #	NASA-CASE-XNP-02029	c 14	N70-41955* #
NASA-CASE-XMS-02532	c 15	N70-41808* #	NASA-CASE-XNP-00234	c 28	N70-38645* #	NASA-CASE-XNP-02092	c 15	N70-42033* #
NASA-CASE-XMS-02677	c 31	N70-42075* #	NASA-CASE-XNP-00249	c 28	N70-38249* #	NASA-CASE-XNP-02139	c 18	N71-24184*
NASA-CASE-XMS-02744	c 33	N75-27249* #	NASA-CASE-XNP-00250	c 11	N71-28779*	NASA-CASE-XNP-02140	c 09	N71-23097*
NASA-CASE-XMS-02872	c 05	N69-21925* #	NASA-CASE-XNP-00294	c 21	N70-36938* #	NASA-CASE-XNP-02251	c 12	N71-20896*
NASA-CASE-XMS-02930	c 11	N71-23042*	NASA-CASE-XNP-00384	c 09	N71-13530*	NASA-CASE-XNP-02278	c 15	N71-28951*
NASA-CASE-XMS-02952	c 18	N71-20742*	NASA-CASE-XNP-00416	c 15	N70-36947* #	NASA-CASE-XNP-02340	c 23	N69-24332* #
NASA-CASE-XMS-02977	c 11	N71-10746* #	NASA-CASE-XNP-00425	c 11	N70-38202* #	NASA-CASE-XNP-02341	c 15	N71-21531*
NASA-CASE-XMS-03252	c 15	N71-10658* #	NASA-CASE-XNP-00431	c 09	N70-38998* #	NASA-CASE-XNP-02389	c 07	N71-28900*
NASA-CASE-XMS-03371	c 05	N70-42000* #	NASA-CASE-XNP-00432	c 08	N70-35423* #	NASA-CASE-XNP-02500	c 18	N71-27397*
NASA-CASE-XMS-03454	c 09	N71-20658*	NASA-CASE-XNP-00438	c 21	N70-35089* #	NASA-CASE-XNP-02507	c 31	N71-17679*
NASA-CASE-XMS-03537	c 15	N69-21471* #	NASA-CASE-XNP-00449	c 14	N70-35220* #	NASA-CASE-XNP-02588	c 15	N71-18613* #
NASA-CASE-XMS-03542	c 09	N71-28926*	NASA-CASE-XNP-00450	c 15	N70-38603* #	NASA-CASE-XNP-02592	c 24	N71-20518*
NASA-CASE-XMS-03613	c 31	N71-16346* #	NASA-CASE-XNP-00459	c 11	N70-38675* #	NASA-CASE-XNP-02595	c 31	N71-21881*
NASA-CASE-XMS-03694-1	c 54	N82-29002* #	NASA-CASE-XNP-00463	c 33	N70-36847* #	NASA-CASE-XNP-02654	c 10	N70-42032* #
NASA-CASE-XMS-03700	c 15	N69-24266* #	NASA-CASE-XNP-00465	c 21	N70-35395* #	NASA-CASE-XNP-02713	c 10	N69-39888* #
NASA-CASE-XMS-03722	c 15	N71-21530*	NASA-CASE-XNP-00476	c 15	N70-38620* #	NASA-CASE-XNP-02723	c 07	N70-41680*
NASA-CASE-XMS-03745	c 15	N71-21076*	NASA-CASE-XNP-00477	c 08	N73-28045* #	NASA-CASE-XNP-02748	c 08	N71-22748*
NASA-CASE-XMS-03792	c 14	N70-41812* #	NASA-CASE-XNP-00540	c 08	N70-35382* #	NASA-CASE-XNP-02778	c 08	N71-22710*
NASA-CASE-XMS-04061-1	c 09	N69-39885* #	NASA-CASE-XNP-00595	c 09	N70-34967* #	NASA-CASE-XNP-02791	c 07	N71-23026*
NASA-CASE-XMS-04072	c 15	N70-42017* #	NASA-CASE-XNP-00597	c 15	N71-23088*	NASA-CASE-XNP-02792	c 14	N71-28958*
NASA-CASE-XMS-04142	c 31	N70-41631* #	NASA-CASE-XNP-00610	c 18	N71-23088*	NASA-CASE-XNP-02839	c 28	N70-41922* #
NASA-CASE-XMS-04170	c 05	N71-22748*	NASA-CASE-XNP-00611	c 28	N70-36910* #	NASA-CASE-XNP-02862-1	c 28	N71-26294*
NASA-CASE-XMS-04178	c 15	N71-22798*	NASA-CASE-XNP-00612	c 09	N70-35219* #	NASA-CASE-XNP-02888	c 15	N71-26294*
NASA-CASE-XMS-04201	c 14	N71-22990*	NASA-CASE-XNP-00614	c 11	N70-38182* #	NASA-CASE-XNP-02899-1	c 18	N71-21068*
NASA-CASE-XMS-04212-1	c 05	N71-12346* #	NASA-CASE-XNP-00637	c 14	N70-40273* #	NASA-CASE-XNP-02923	c 33	N79-21265* #
NASA-CASE-XMS-04213-1	c 09	N71-26002*	NASA-CASE-XNP-00644	c 14	N70-40273* #	NASA-CASE-XNP-02982	c 28	N71-23081*
NASA-CASE-XMS-04215-1	c 09	N69-39897* #	NASA-CASE-XNP-00648	c 03	N70-36803* #	NASA-CASE-XNP-02983	c 31	N70-41855* #
NASA-CASE-XMS-04268	c 33	N71-16277*	NASA-CASE-XNP-00676	c 14	N70-35666* #	NASA-CASE-XNP-03063	c 14	N71-21091*
NASA-CASE-XMS-04269	c 16	N71-22695*	NASA-CASE-XNP-00683	c 27	N71-28929*	NASA-CASE-XNP-03128	c 17	N71-23385*
NASA-CASE-XMS-04292	c 15	N71-22722*	NASA-CASE-XNP-00708	c 15	N70-38998* #	NASA-CASE-XNP-03134	c 10	N70-41991* #
NASA-CASE-XMS-04300	c 09	N71-19479*	NASA-CASE-XNP-00710	c 09	N70-35425* #	NASA-CASE-XNP-03250	c 07	N71-10878* #
NASA-CASE-XMS-04312	c 07	N71-22884*	NASA-CASE-XNP-00732	c 14	N70-35394* #	NASA-CASE-XNP-03263	c 06	N71-23500*
NASA-CASE-XMS-04318	c 15	N69-27871* #	NASA-CASE-XNP-00733	c 15	N71-10778* #	NASA-CASE-XNP-03282	c 09	N71-18843*
NASA-CASE-XMS-04390	c 31	N70-41871* #	NASA-CASE-XNP-00738	c 28	N70-41447* #	NASA-CASE-XNP-03378	c 28	N72-20758* #
NASA-CASE-XMS-04533	c 15	N71-23086*	NASA-CASE-XNP-00745	c 08	N70-34946* #	NASA-CASE-XNP-03413	c 09	N71-10818* #
NASA-CASE-XMS-04545	c 15	N71-22878*	NASA-CASE-XNP-00746	c 09	N70-38201* #	NASA-CASE-XNP-03459-2	c 03	N71-11051* #
NASA-CASE-XMS-04625	c 05	N71-20718*	NASA-CASE-XNP-00777	c 10	N71-28960*	NASA-CASE-XNP-03578	c 03	N71-26726*
NASA-CASE-XMS-04670	c 54	N78-17678* #	NASA-CASE-XNP-00816	c 07	N71-21476*	NASA-CASE-XNP-03578	c 18	N71-15688*
NASA-CASE-XMS-04798	c 11	N71-21474*	NASA-CASE-XNP-00826	c 10	N71-19489*	NASA-CASE-XNP-03623	c 15	N71-21078*
NASA-CASE-XMS-04826	c 28	N71-28849*	NASA-CASE-XNP-00876	c 08	N71-28928*	NASA-CASE-XNP-03637	c 11	N71-23030*
NASA-CASE-XMS-04843	c 03	N69-21469* #	NASA-CASE-XNP-00911	c 28	N71-20895*	NASA-CASE-XNP-03744	c 09	N73-28084* #
NASA-CASE-XMS-04890-1	c 15	N70-22192* #	NASA-CASE-XNP-00920	c 15	N70-38225* #	NASA-CASE-XNP-03796	c 15	N71-21311*
NASA-CASE-XMS-04917	c 14	N69-24257* #	NASA-CASE-XNP-00952	c 28	N70-41311* #	NASA-CASE-XNP-03835	c 28	N71-24321*
NASA-CASE-XMS-04919	c 09	N71-23270*	NASA-CASE-XNP-01012	c 08	N71-15907*	NASA-CASE-XNP-03878	c 10	N71-20448*
NASA-CASE-XMS-04928	c 54	N78-17679* #	NASA-CASE-XNP-01020	c 08	N71-12540* #	NASA-CASE-XNP-03916	c 23	N71-15487*
NASA-CASE-XMS-04935	c 05	N71-11190*	NASA-CASE-XNP-01056	c 15	N71-15906*	NASA-CASE-XNP-03918	c 06	N71-23499*
NASA-CASE-XMS-05303	c 07	N69-27462* #	NASA-CASE-XNP-01058	c 23	N71-21821*	NASA-CASE-XNP-03930	c 23	N71-21882*
NASA-CASE-XMS-05304	c 05	N71-12336* #	NASA-CASE-XNP-01068	c 10	N71-28739*	NASA-CASE-XNP-04023	c 28	N75-27127* #
NASA-CASE-XMS-05307	c 09	N69-24330* #	NASA-CASE-XNP-01104	c 08	N71-28925*	NASA-CASE-XNP-04067	c 21	N71-10771* #
NASA-CASE-XMS-05365	c 14	N71-22993*	NASA-CASE-XNP-01107	c 03	N71-28925*	NASA-CASE-XNP-04111	c 09	N71-28810*
NASA-CASE-XMS-05454-1	c 07	N71-12391* #	NASA-CASE-XNP-01152	c 14	N71-23041*	NASA-CASE-XNP-04124	c 14	N71-23087*
NASA-CASE-XMS-05516	c 15	N71-17803*	NASA-CASE-XNP-01153	c 07	N71-15907*	NASA-CASE-XNP-04148	c 14	N69-24331* #
NASA-CASE-XMS-05562-1	c 09	N69-39898* #	NASA-CASE-XNP-01185	c 09	N71-12540* #	NASA-CASE-XNP-04161	c 15	N71-23048*
NASA-CASE-XMS-05605-1	c 10	N71-19468*	NASA-CASE-XNP-01188	c 23	N71-21821*	NASA-CASE-XNP-04182-1	c 06	N71-28808*
NASA-CASE-XMS-05731	c 35	N75-29382* #	NASA-CASE-XNP-01193	c 10	N71-28739*	NASA-CASE-XNP-04187-2	c 08	N71-22707*
NASA-CASE-XMS-05890	c 09	N71-23191*	NASA-CASE-XNP-01263-2	c 28	N70-39931* #	NASA-CASE-XNP-04187-3	c 14	N71-15622* #
NASA-CASE-XMS-05894-1	c 15	N69-21924* #	NASA-CASE-XNP-01296	c 10	N71-28859*	NASA-CASE-XNP-04231	c 28	N71-21822*
NASA-CASE-XMS-05909-1	c 14	N69-27459* #	NASA-CASE-XNP-01306-2	c 15	N70-41811* #	NASA-CASE-XNP-04262-2	c 17	N71-24830*
NASA-CASE-XMS-05936	c 14	N70-41882* #	NASA-CASE-XNP-01307	c 32	N71-17645*	NASA-CASE-XNP-04284	c 14	N71-15599* #
NASA-CASE-XMS-06056-1	c 23	N71-24857*	NASA-CASE-XNP-01310	c 26	N73-28710* #	NASA-CASE-XNP-04338	c 08	N70-34875* #
NASA-CASE-XMS-06061	c 05	N71-23317*	NASA-CASE-XNP-01311	c 15	N73-28518* #	NASA-CASE-XNP-04339	c 25	N72-24753* #
NASA-CASE-XMS-06064	c 05	N71-23086*	NASA-CASE-XNP-01318	c 15	N73-32361* #	NASA-CASE-XNP-04389	c 36	N77-19416* #
NASA-CASE-XMS-06162	c 31	N71-28851*	NASA-CASE-XNP-01328	c 10	N71-16057*	NASA-CASE-XNP-04731	c 07	N69-39738* #
NASA-CASE-XMS-06236	c 14	N71-21007*	NASA-CASE-XNP-01383	c 15	N71-26312*	NASA-CASE-XNP-04758	c 09	N69-24329* #
NASA-CASE-XMS-06329-1	c 15	N71-20441*	NASA-CASE-XNP-01412	c 33	N75-27250* #	NASA-CASE-XNP-04780	c 14	N73-32325* #
NASA-CASE-XMS-06497	c 14	N71-26244*	NASA-CASE-XNP-01458	c 09	N71-24596*	NASA-CASE-XNP-04816	c 17	N71-26773*
NASA-CASE-XMS-06740-1	c 07	N71-26579*	NASA-CASE-XNP-01464	c 07	N71-20814*	NASA-CASE-XNP-04817	c 03	N69-21337* #
NASA-CASE-XMS-06761	c 05	N69-23192* #	NASA-CASE-XNP-01472	c 21	N70-41856* #	NASA-CASE-XNP-04819	c 17	N71-23048*
NASA-CASE-XMS-06782	c 14	N71-15974*	NASA-CASE-XNP-01501	c 33	N71-28852*	NASA-CASE-XNP-04823	c 17	N71-28137*
NASA-CASE-XMS-06876	c 14	N71-20435*	NASA-CASE-XNP-01567	c 26	N75-29236* #	NASA-CASE-XNP-04829	c 28	N71-20942*
NASA-CASE-XMS-06878	c 32	N71-15974*	NASA-CASE-XNP-01641	c 10	N71-23033*	NASA-CASE-XNP-04831	c 10	N71-26103*
NASA-CASE-XMS-06879	c 15	N71-21536*	NASA-CASE-XNP-01659	c 09	N71-18064*	NASA-CASE-XNP-04838	c 15	N71-20402*
NASA-CASE-XMS-06949	c 09	N69-21467* #	NASA-CASE-XNP-01660	c 26	N71-10659* #	NASA-CASE-XNP-04842	c 09	N71-20851*
NASA-CASE-XMS-07168	c 07	N71-11300* #	NASA-CASE-XNP-01735	c 28	N70-41275* #	NASA-CASE-XNP-04843	c 03	N71-24805*
NASA-CASE-XMS-07487	c 15	N71-23255*	NASA-CASE-XNP-01747	c 15	N70-42034* #	NASA-CASE-XNP-04844	c 08	N71-19687*
NASA-CASE-XMS-07846-1	c 09	N69-21927* #	NASA-CASE-XNP-01749	c 04	N78-17031* #	NASA-CASE-XNP-04845	c 06	N69-39936* #
NASA-CASE-XMS-08589-1	c 09	N71-20569*	NASA-CASE-XNP-01848	c 03	N71-10728* #	NASA-CASE-XNP-04846	c 14	N71-23225*
NASA-CASE-XMS-09310	c 15	N71-22706*	NASA-CASE-XNP-01855	c 10	N71-26434*	NASA-CASE-XNP-04847	c 08	N71-23295*
NASA-CASE-XMS-09352	c 09	N71-23316*	NASA-CASE-XNP-01951	c 14	N70-41807* #	NASA-CASE-XNP-04848	c 11	N69-27466* #
NASA-CASE-XMS-09571	c 05	N71-19439*	NASA-CASE-XNP-01954	c 21	N70-41930* #	NASA-CASE-XNP-04849	c 15	N70-41960* #
NASA-CASE-XMS-09610	c 07	N71-24625*	NASA-CASE-XNP-01959	c 15	N70-41310* #	NASA-CASE-XNP-04850	c 16	N71-15550*
NASA-CASE-XMS-09632-1	c 05	N71-11203* #	NASA-CASE-XNP-01960	c 15	N71-22997*	NASA-CASE-XNP-04851	c 14	N73-28491* #
NASA-CASE-XMS-09635	c 05	N71-24623*		c 14	N71-23039*	NASA-CASE-XNP-04852	c 07	N71-20791*
NASA-CASE-XMS-09636	c 05	N71-12344* #		c 14	N71-23036*	NASA-CASE-XNP-04853	c 15	N71-23811*
NASA-CASE-XMS-09637-1	c 05	N71-24730*		c 07	N71-22750*	NASA-CASE-XNP-04854	c 09	N71-20842*
NASA-CASE-XMS-09652-1	c 05	N71-26333*		c 15	N71-23024*	NASA-CASE-XNP-04855	c 10	N71-23544*
NASA-CASE-XMS-09653	c 54	N78-17680* #		c 27	N70-41897* #	NASA-CASE-XNP-04856	c 08	N71-12505* #
NASA-CASE-XMS-09690	c 33	N72-25913* #		c 08	N71-22897*	NASA-CASE-XNP-04857	c 26	N71-21824*
NASA-CASE-XMS-09691-1	c 18	N71-15545*		c 15	N71-28959*	NASA-CASE-XNP-04858	c 33	N71-24876*
NASA-CASE-XMS-10269	c 05	N71-24147*		c 15	N71-28937*	NASA-CASE-XNP-04859	c 14	N73-32321* #
NASA-CASE-XMS-10660-1	c 15	N71-25975*		c 09	N70-41929* #	NASA-CASE-XNP-04860	c 14	N71-23040*
NASA-CASE-XMS-10984-1	c 10	N71-19417*		c 28	N71-28850*	NASA-CASE-XNP-04861	c 09	N69-21468* #
NASA-CASE-XMS-10993	c 15	N71-28936*		c 26	N71-23043*	NASA-CASE-XNP-04862	c 15	N71-24834*
NASA-CASE-XMS-12158-1	c 31	N69-27499* #		c 09	N71-23027*	NASA-CASE-XNP-04863	c 03	N71-11056* #

NASA-CASE-XNP-05975

REPORT NUMBER INDEX

NASA-CASE-XNP-05975	c 15	N69-23185* #	US-PATENT-APPL-SN-008211	c 74	N81-17887* #	US-PATENT-APPL-SN-070774	c 33	N82-26571* #
NASA-CASE-XNP-06028	c 09	N71-23189* #	US-PATENT-APPL-SN-008212	c 44	N80-24741* #	US-PATENT-APPL-SN-072857	c 24	N82-32417* #
NASA-CASE-XNP-06031	c 15	N71-15606* #	US-PATENT-APPL-SN-009886	c 31	N80-32583* #	US-PATENT-APPL-SN-073477	c 36	N82-32712* #
NASA-CASE-XNP-06032	c 09	N69-21926* #	US-PATENT-APPL-SN-009887	c 28	N81-14103* #	US-PATENT-APPL-SN-073579	c 23	N82-24415* #
NASA-CASE-XNP-06234	c 10	N71-27137* #	US-PATENT-APPL-SN-009888	c 37	N81-14320* #	US-PATENT-APPL-SN-076643	c 32	N81-29308* #
NASA-CASE-XNP-06503	c 23	N71-29049* #	US-PATENT-APPL-SN-009889	c 33	N79-17134* #	US-PATENT-APPL-SN-078521	c 32	N81-14186* #
NASA-CASE-XNP-06505	c 10	N71-24799* #	US-PATENT-APPL-SN-009889	c 33	N81-27396* #	US-PATENT-APPL-SN-078611	c 04	N81-21047* #
NASA-CASE-XNP-06506	c 03	N71-11050* #	US-PATENT-APPL-SN-011737	c 27	N81-14078* #	US-PATENT-APPL-SN-078612	c 46	N82-12685* #
NASA-CASE-XNP-06507	c 09	N71-23548* #	US-PATENT-APPL-SN-014663	c 31	N81-25259* #	US-PATENT-APPL-SN-079913	c 05	N82-28279* #
NASA-CASE-XNP-06508	c 18	N69-39895* #	US-PATENT-APPL-SN-014664	c 44	N81-14389* #	US-PATENT-APPL-SN-088663	c 28	N82-18401* #
NASA-CASE-XNP-06509	c 14	N71-23226* #	US-PATENT-APPL-SN-015983	c 02	N80-28300* #	US-PATENT-APPL-SN-089779	c 26	N81-25188* #
NASA-CASE-XNP-06510	c 14	N71-23797* #	US-PATENT-APPL-SN-015995	c 08	N81-26152* #	US-PATENT-APPL-SN-090584	c 74	N81-19896* #
NASA-CASE-XNP-06611	c 07	N71-26102* #	US-PATENT-APPL-SN-015996	c 08	N81-24106* #	US-PATENT-APPL-SN-0914	c 28	N70-38711* #
NASA-CASE-XNP-06914	c 15	N71-21489* #	US-PATENT-APPL-SN-017885	c 32	N79-19195* #	US-PATENT-APPL-SN-092141	c 27	N81-29229* #
NASA-CASE-XNP-06933	c 14	N73-32321* #	US-PATENT-APPL-SN-017888	c 33	N81-33405* #	US-PATENT-APPL-SN-092142	c 27	N82-11206* #
NASA-CASE-XNP-06936	c 15	N71-24695* #	US-PATENT-APPL-SN-017887	c 33	N81-26358* #	US-PATENT-APPL-SN-092143	c 32	N82-18443* #
NASA-CASE-XNP-06937	c 09	N71-19516* #	US-PATENT-APPL-SN-017888	c 51	N80-16715* #	US-PATENT-APPL-SN-092145	c 37	N82-12442* #
NASA-CASE-XNP-06942	c 28	N71-23293* #	US-PATENT-APPL-SN-017889	c 02	N79-24958* #	US-PATENT-APPL-SN-093714	c 44	N81-29525* #
NASA-CASE-XNP-06957	c 14	N71-21088* #	US-PATENT-APPL-SN-017890	c 33	N81-15192* #	US-PATENT-APPL-SN-095217	c 74	N81-19898* #
NASA-CASE-XNP-07040	c 08	N71-12500* #	US-PATENT-APPL-SN-019541	c 02	N81-14968* #	US-PATENT-APPL-SN-096255	c 37	N80-18400* #
NASA-CASE-XNP-07169	c 15	N73-32362* #	US-PATENT-APPL-SN-023436	c 07	N80-32392* #	US-PATENT-APPL-SN-096255	c 37	N82-19540* #
NASA-CASE-XNP-07477	c 09	N71-26092* #	US-PATENT-APPL-SN-023437	c 62	N81-24779* #	US-PATENT-APPL-SN-096257	c 37	N82-24490* #
NASA-CASE-XNP-07478	c 14	N69-21923* #	US-PATENT-APPL-SN-023439	c 54	N79-20746* #	US-PATENT-APPL-SN-098568	c 33	N82-11357* #
NASA-CASE-XNP-07481	c 25	N69-21929* #	US-PATENT-APPL-SN-023439	c 37	N81-27519* #	US-PATENT-APPL-SN-098569	c 44	N82-16474* #
NASA-CASE-XNP-07659	c 06	N71-22975* #	US-PATENT-APPL-SN-023484	c 33	N81-20352* #	US-PATENT-APPL-SN-098570	c 44	N82-18686* #
NASA-CASE-XNP-08124-2	c 06	N73-13129* #	US-PATENT-APPL-SN-023485	c 33	N82-24418* #	US-PATENT-APPL-SN-100611	c 37	N82-32732* #
NASA-CASE-XNP-08124	c 15	N71-27184* #	US-PATENT-APPL-SN-023501	c 26	N80-28492* #	US-PATENT-APPL-SN-100637	c 37	N75-18574* #
NASA-CASE-XNP-08274	c 10	N71-13537* #	US-PATENT-APPL-SN-025162	c 35	N81-14287* #	US-PATENT-APPL-SN-100639	c 14	N72-32452* #
NASA-CASE-XNP-08567	c 09	N71-26000* #	US-PATENT-APPL-SN-025163	c 74	N80-33210* #	US-PATENT-APPL-SN-100774	c 06	N72-25151* #
NASA-CASE-XNP-08680	c 14	N71-22995* #	US-PATENT-APPL-SN-025301	c 07	N82-26293* #	US-PATENT-APPL-SN-100774	c 06	N73-32030* #
NASA-CASE-XNP-08832	c 08	N71-12506* #	US-PATENT-APPL-SN-027557	c 27	N81-19296* #	US-PATENT-APPL-SN-100996	c 08	N73-13187* #
NASA-CASE-XNP-08835-1	c 37	N80-14395* #	US-PATENT-APPL-SN-027558	c 36	N81-24422* #	US-PATENT-APPL-SN-101029	c 31	N70-38676* #
NASA-CASE-XNP-08836	c 08	N71-12515* #	US-PATENT-APPL-SN-027559	c 44	N81-17518* #	US-PATENT-APPL-SN-101214	c 14	N73-26430* #
NASA-CASE-XNP-08837	c 18	N71-16210* #	US-PATENT-APPL-SN-028300	c 27	N81-17259* #	US-PATENT-APPL-SN-101354	c 10	N73-16205* #
NASA-CASE-XNP-08840	c 23	N71-16365* #	US-PATENT-APPL-SN-028301	c 27	N81-17262* #	US-PATENT-APPL-SN-10161	c 33	N72-20915* #
NASA-CASE-XNP-08875	c 10	N71-23099* #	US-PATENT-APPL-SN-028301	c 27	N81-24256* #	US-PATENT-APPL-SN-102001	c 36	N82-16396* #
NASA-CASE-XNP-08876	c 17	N73-28573* #	US-PATENT-APPL-SN-028301	c 27	N82-24338* #	US-PATENT-APPL-SN-102002	c 18	N81-29152* #
NASA-CASE-XNP-08877	c 15	N71-23025* #	US-PATENT-APPL-SN-030831	c 25	N82-23282* #	US-PATENT-APPL-SN-102003	c 26	N82-29415* #
NASA-CASE-XNP-08880	c 09	N71-24808* #	US-PATENT-APPL-SN-030964	c 74	N79-25876* #	US-PATENT-APPL-SN-102003	c 26	N82-30371* #
NASA-CASE-XNP-08881	c 17	N71-28747* #	US-PATENT-APPL-SN-032305	c 15	N82-24272* #	US-PATENT-APPL-SN-102004	c 37	N81-26447* #
NASA-CASE-XNP-08882	c 15	N69-39935* #	US-PATENT-APPL-SN-032307	c 44	N81-24519* #	US-PATENT-APPL-SN-102412	c 25	N72-33696* #
NASA-CASE-XNP-08883	c 23	N71-16101* #	US-PATENT-APPL-SN-034104	c 08	N81-19130* #	US-PATENT-APPL-SN-102593	c 37	N82-16408* #
NASA-CASE-XNP-08897	c 15	N71-17694* #	US-PATENT-APPL-SN-034529	c 24	N79-23142* #	US-PATENT-APPL-SN-103077	c 25	N72-32688* #
NASA-CASE-XNP-08907	c 23	N71-29123* #	US-PATENT-APPL-SN-034531	c 52	N81-28740* #	US-PATENT-APPL-SN-103078	c 15	N73-12486* #
NASA-CASE-XNP-08961	c 14	N71-24809* #	US-PATENT-APPL-SN-037066	c 25	N81-14016* #	US-PATENT-APPL-SN-103091	c 37	N74-20370* #
NASA-CASE-XNP-09205	c 14	N71-17657* #	US-PATENT-APPL-SN-037072	c 31	N81-33319* #	US-PATENT-APPL-SN-103229	c 14	N72-22439* #
NASA-CASE-XNP-09225	c 09	N69-24333* #	US-PATENT-APPL-SN-037194	c 37	N79-23431* #	US-PATENT-APPL-SN-103230	c 15	N73-14468* #
NASA-CASE-XNP-09227	c 15	N69-24319* #	US-PATENT-APPL-SN-037560	c 74	N81-29963* #	US-PATENT-APPL-SN-10329	c 09	N72-25251* #
NASA-CASE-XNP-09228	c 09	N69-27500* #	US-PATENT-APPL-SN-038550	c 33	N83-18996* #	US-PATENT-APPL-SN-103551	c 31	N73-14854* #
NASA-CASE-XNP-09450	c 10	N71-18723* #	US-PATENT-APPL-SN-038980	c 07	N81-14999* #	US-PATENT-APPL-SN-103836	c 37	N80-18402* #
NASA-CASE-XNP-09451	c 06	N71-26754* #	US-PATENT-APPL-SN-039031	c 32	N80-28578* #	US-PATENT-APPL-SN-103836	c 37	N81-24443* #
NASA-CASE-XNP-09452	c 15	N69-27504* #	US-PATENT-APPL-SN-041141	c 36	N82-13415* #	US-PATENT-APPL-SN-104047	c 15	N72-31483* #
NASA-CASE-XNP-09453	c 08	N71-19420* #	US-PATENT-APPL-SN-041142	c 32	N81-15179* #	US-PATENT-APPL-SN-104048	c 31	N73-14855* #
NASA-CASE-XNP-09461	c 28	N72-23809* #	US-PATENT-APPL-SN-041143	c 60	N83-25378* #	US-PATENT-APPL-SN-104187	c 14	N70-36618* #
NASA-CASE-XNP-09462	c 14	N71-17584* #	US-PATENT-APPL-SN-041145	c 25	N82-12166* #	US-PATENT-APPL-SN-104188	c 09	N70-34819* #
NASA-CASE-XNP-09469	c 24	N71-25555* #	US-PATENT-APPL-SN-041164	c 33	N81-19392* #	US-PATENT-APPL-SN-104346	c 14	N73-28488* #
NASA-CASE-XNP-09572	c 14	N71-15621* #	US-PATENT-APPL-SN-043911	c 05	N82-26277* #	US-PATENT-APPL-SN-104884	c 15	N72-33476* #
NASA-CASE-XNP-09698	c 15	N71-18580* #	US-PATENT-APPL-SN-043912	c 43	N81-17499* #	US-PATENT-APPL-SN-104885	c 14	N73-24472* #
NASA-CASE-XNP-09699	c 06	N71-24607* #	US-PATENT-APPL-SN-043913	c 54	N81-27808* #	US-PATENT-APPL-SN-105518	c 23	N71-15978* #
NASA-CASE-XNP-09701	c 14	N71-26475* #	US-PATENT-APPL-SN-043941	c 44	N81-19558* #	US-PATENT-APPL-SN-106106	c 91	N74-13130* #
NASA-CASE-XNP-09702	c 15	N71-17654* #	US-PATENT-APPL-SN-043942	c 06	N82-16075* #	US-PATENT-APPL-SN-106118	c 32	N80-16261* #
NASA-CASE-XNP-09704	c 12	N71-18615* #	US-PATENT-APPL-SN-043943	c 33	N82-24419* #	US-PATENT-APPL-SN-106119	c 35	N82-15381* #
NASA-CASE-XNP-09744	c 27	N71-16392* #	US-PATENT-APPL-SN-043944	c 24	N82-24296* #	US-PATENT-APPL-SN-106135	c 28	N70-34294* #
NASA-CASE-XNP-09750	c 14	N69-39937* #	US-PATENT-APPL-SN-043945	c 47	N82-24779* #	US-PATENT-APPL-SN-106136	c 33	N82-26572* #
NASA-CASE-XNP-09752	c 14	N69-21541* #	US-PATENT-APPL-SN-044429	c 33	N79-25314* #	US-PATENT-APPL-SN-106188	c 27	N80-16163* #
NASA-CASE-XNP-09755	c 46	N74-23069* #	US-PATENT-APPL-SN-044431	c 33	N81-27395* #	US-PATENT-APPL-SN-106192	c 34	N83-28356* #
NASA-CASE-XNP-09759	c 08	N71-24891* #	US-PATENT-APPL-SN-044432	c 52	N81-20703* #	US-PATENT-APPL-SN-106424	c 17	N73-24569* #
NASA-CASE-XNP-09763	c 14	N71-20461* #	US-PATENT-APPL-SN-046739	c 54	N81-24724* #	US-PATENT-APPL-SN-106465	c 30	N73-12884* #
NASA-CASE-XNP-09768	c 09	N71-12516* #	US-PATENT-APPL-SN-051269	c 33	N81-24338* #	US-PATENT-APPL-SN-107298	c 32	N73-13921* #
NASA-CASE-XNP-09770-2	c 15	N72-22483* #	US-PATENT-APPL-SN-051270	c 32	N80-32604* #	US-PATENT-APPL-SN-107376	c 15	N73-25513* #
NASA-CASE-XNP-09770-3	c 11	N71-27036* #	US-PATENT-APPL-SN-051271	c 33	N81-26359* #	US-PATENT-APPL-SN-107379	c 10	N72-33230* #
NASA-CASE-XNP-09770	c 15	N71-20440* #	US-PATENT-APPL-SN-051274	c 34	N81-26402* #	US-PATENT-APPL-SN-107380	c 28	N73-13773* #
NASA-CASE-XNP-09771	c 09	N71-24841* #	US-PATENT-APPL-SN-051275	c 44	N82-24640* #	US-PATENT-APPL-SN-107659	c 23	N73-20741* #
NASA-CASE-XNP-09775	c 09	N71-20445* #	US-PATENT-APPL-SN-051276	c 33	N81-33040* #	US-PATENT-APPL-SN-107866	c 17	N70-36616* #
NASA-CASE-XNP-09776	c 09	N69-39929* #	US-PATENT-APPL-SN-053566	c 09	N82-24212* #	US-PATENT-APPL-SN-107870	c 15	N70-36411* #
NASA-CASE-XNP-09785	c 08	N69-21928* #	US-PATENT-APPL-SN-053569	c 35	N81-19426* #	US-PATENT-APPL-SN-108107	c 37	N82-18601* #
NASA-CASE-XNP-09802	c 33	N71-15641* #	US-PATENT-APPL-SN-053571	c 31	N81-19343* #	US-PATENT-APPL-SN-10812	c 28	N70-40367* #
NASA-CASE-XNP-09808	c 09	N71-12518* #	US-PATENT-APPL-SN-053572	c 32	N82-23376* #	US-PATENT-APPL-SN-10827	c 14	N72-28436* #
NASA-CASE-XNP-09830	c 14	N71-26266* #	US-PATENT-APPL-SN-053652	c 33	N82-18494* #	US-PATENT-APPL-SN-108810	c 33	N77-22386* #
NASA-CASE-XNP-09832	c 30	N71-23723* #	US-PATENT-APPL-SN-054501	c 23	N82-16174* #	US-PATENT-APPL-SN-108824	c 31	N73-13898* #
NASA-CASE-XNP-10007-1	c 46	N74-23068* #	US-PATENT-APPL-SN-057465	c 37	N81-17433* #	US-PATENT-APPL-SN-109789	c 09	N70-34596* #
NASA-CASE-XNP-10475	c 15	N71-24679* #	US-PATENT-APPL-SN-057466	c 71	N81-15767* #	US-PATENT-APPL-SN-110402	c 09	N72-27226* #
NASA-CASE-XNP-10830	c 07	N71-11281* #	US-PATENT-APPL-SN-057526	c 52	N81-25662* #	US-PATENT-APPL-SN-110591	c 15	N70-39896* #
NASA-CASE-XNP-10843	c 07	N71-11267* #	US-PATENT-APPL-SN-060435	c 44	N81-24520* #	US-PATENT-APPL-SN-111436	c 33	N82-26569* #
NASA-CASE-XNP-10854	c 10	N71-26331* #	US-PATENT-APPL-SN-060449	c 07	N82-32366* #	US-PATENT-APPL-SN-111438	c 35	N81-29407* #
			US-PATENT-APPL-SN-061327	c 32	N83-13323* #	US-PATENT-APPL-SN-111439	c 74	N81-29400* #
NASA-CASE-12761-1	c 74	N83-13982* #	US-PATENT-APPL-SN-061555	c 44	N81-29524* #	US-PATENT-APPL-SN-111998	c 21	N73-30640* #
NASA-CASE-12812-1	c 34	N83-35307* #	US-PATENT-APPL-SN-061558	c 35	N81-19427* #	US-PATENT-APPL-SN-11220	c 14	N73-30389* #
			US-PATENT-APPL-SN-061822	c 74	N83-19597* #	US-PATENT-APPL-SN-112366	c 06	N72-10138* #
US-PATENT-APPL-SN-003693	c 52	N81-14612* #	US-PATENT-APPL-SN-065676	c 35	N80-18364* #	US-PATENT-APPL-SN-112988	c 07	N72-32169* #
US-PATENT-APPL-SN-006952	c 27	N81-14077* #	US-PATENT-APPL-SN-065676	c 44	N81-12542* #	US-PATENT-APPL-SN-112998	c 14	N73-12445* #
US-PATENT-APPL-SN-007083	c 26	N80-32484* #	US-PATENT-APPL-SN-067595	c 08	N82-24205* #	US-PATENT-APPL-SN-112999	c 23	N72-25619* #
US-PATENT-APPL-SN-008207	c 32	N80-23524* #	US-PATENT-APPL-SN-067596	c 51	N81-28698* #	US-PATENT-APPL-SN-112999	c 32	N79-19186* #
US-PATENT-APPL-SN-008208	c 37	N81-17432* #	US-PATENT-APPL-SN-069485	c 33	N82-24420* #	US-PATENT-APPL-SN-113014	c 27	N81-24257* #

REPORT NUMBER INDEX

US-PATENT-APPL-SN-178721

US-PATENT-APPL-SN-114846	c 14	N73-12444* #	US-PATENT-APPL-SN-136253	c 28	N72-20767* #	US-PATENT-APPL-SN-154933	c 14	N73-25463* #
US-PATENT-APPL-SN-114847	c 15	N72-28496* #	US-PATENT-APPL-SN-136253	c 27	N74-12814* #	US-PATENT-APPL-SN-154935	c 11	N72-27262* #
US-PATENT-APPL-SN-114848	c 11	N72-23215* #	US-PATENT-APPL-SN-136660	c 31	N83-34073* #	US-PATENT-APPL-SN-155565	c 08	N73-25206* #
US-PATENT-APPL-SN-114849	c 09	N72-27227* #	US-PATENT-APPL-SN-137391	c 36	N75-31426* #	US-PATENT-APPL-SN-155584	c 09	N70-40123* #
US-PATENT-APPL-SN-114873	c 09	N73-28083* #	US-PATENT-APPL-SN-137912	c 06	N72-21105* #	US-PATENT-APPL-SN-155595	c 26	N73-28710* #
US-PATENT-APPL-SN-115082	c 18	N73-13562* #	US-PATENT-APPL-SN-138227	c 26	N72-27784* #	US-PATENT-APPL-SN-155596	c 15	N73-32361* #
US-PATENT-APPL-SN-115083	c 07	N73-25160* #	US-PATENT-APPL-SN-138229	c 15	N72-32487* #	US-PATENT-APPL-SN-155598	c 15	N73-28516* #
US-PATENT-APPL-SN-115134	c 06	N73-13128* #	US-PATENT-APPL-SN-138230	c 32	N73-20740* #	US-PATENT-APPL-SN-156724	c 21	N73-13643* #
US-PATENT-APPL-SN-115536	c 33	N82-24417* #	US-PATENT-APPL-SN-138944	c 37	N82-26672* #	US-PATENT-APPL-SN-156725	c 14	N73-27377* #
US-PATENT-APPL-SN-115944	c 03	N71-34044* #	US-PATENT-APPL-SN-139006	c 09	N70-38604* #	US-PATENT-APPL-SN-156778	c 17	N72-28535* #
US-PATENT-APPL-SN-116777	c 09	N73-19235* #	US-PATENT-APPL-SN-139007	c 28	N70-37245* #	US-PATENT-APPL-SN-156790	c 25	N82-29371* #
US-PATENT-APPL-SN-116778	c 09	N72-33205* #	US-PATENT-APPL-SN-139012	c 03	N70-38713* #	US-PATENT-APPL-SN-157150	c 37	N80-26659* #
US-PATENT-APPL-SN-116786	c 07	N72-25172* #	US-PATENT-APPL-SN-139094	c 05	N73-32011* #	US-PATENT-APPL-SN-158530	c 27	N83-19900* #
US-PATENT-APPL-SN-116790	c 14	N73-30388* #	US-PATENT-APPL-SN-139250	c 04	N73-27052* #	US-PATENT-APPL-SN-158914	c 11	N70-36913* #
US-PATENT-APPL-SN-117575	c 08	N73-12177* #	US-PATENT-APPL-SN-139528	c 03	N72-25020* #	US-PATENT-APPL-SN-158916	c 05	N70-41819* #
US-PATENT-APPL-SN-118169	c 14	N70-35220* #	US-PATENT-APPL-SN-139596	c 33	N77-13315* #	US-PATENT-APPL-SN-159804	c 11	N70-38196* #
US-PATENT-APPL-SN-118200	c 15	N70-34247* #	US-PATENT-APPL-SN-140439	c 33	N75-19518* #	US-PATENT-APPL-SN-159857	c 05	N73-26072* #
US-PATENT-APPL-SN-118202	c 28	N70-38710* #	US-PATENT-APPL-SN-140443	c 09	N70-35219* #	US-PATENT-APPL-SN-159966	c 31	N73-26876* #
US-PATENT-APPL-SN-118203	c 14	N70-38602* #	US-PATENT-APPL-SN-140509	c 09	N70-35382* #	US-PATENT-APPL-SN-160093	c 04	N78-17031* #
US-PATENT-APPL-SN-118269	c 33	N73-26958* #	US-PATENT-APPL-SN-140946	c 18	N73-26572* #	US-PATENT-APPL-SN-160859	c 32	N73-26913* #
US-PATENT-APPL-SN-118270	c 09	N72-25260* #	US-PATENT-APPL-SN-140946	c 27	N74-27037* #	US-PATENT-APPL-SN-160860	c 18	N73-32437* #
US-PATENT-APPL-SN-11853	c 15	N71-28951* #	US-PATENT-APPL-SN-141220	c 33	N70-37979* #	US-PATENT-APPL-SN-161028	c 14	N73-19420* #
US-PATENT-APPL-SN-119282	c 03	N72-23048* #	US-PATENT-APPL-SN-142583	c 37	N79-33469* #	US-PATENT-APPL-SN-161254	c 27	N82-28441* #
US-PATENT-APPL-SN-119334	c 26	N80-19237* #	US-PATENT-APPL-SN-142662	c 23	N73-13661* #	US-PATENT-APPL-SN-161255	c 28	N81-24280* #
US-PATENT-APPL-SN-119335	c 37	N82-24494* #	US-PATENT-APPL-SN-142719	c 14	N73-14429* #	US-PATENT-APPL-SN-161256	c 44	N82-32841* #
US-PATENT-APPL-SN-119336	c 33	N82-24421* #	US-PATENT-APPL-SN-143078	c 08	N72-33172* #	US-PATENT-APPL-SN-161257	c 37	N80-26660* #
US-PATENT-APPL-SN-119337	c 24	N81-33235* #	US-PATENT-APPL-SN-143508	c 33	N74-12913* #	US-PATENT-APPL-SN-162100	c 33	N74-14939* #
US-PATENT-APPL-SN-119339	c 36	N82-28616* #	US-PATENT-APPL-SN-144139	c 11	N73-26238* #	US-PATENT-APPL-SN-162101	c 14	N73-24473* #
US-PATENT-APPL-SN-119340	c 35	N82-11432* #	US-PATENT-APPL-SN-144803	c 11	N70-34844* #	US-PATENT-APPL-SN-162230	c 26	N72-28761* #
US-PATENT-APPL-SN-120241	c 15	N73-24513* #	US-PATENT-APPL-SN-144804	c 14	N70-39898* #	US-PATENT-APPL-SN-162380	c 36	N74-21091* #
US-PATENT-APPL-SN-120795	c 07	N70-40202* #	US-PATENT-APPL-SN-14488	c 09	N70-38995* #	US-PATENT-APPL-SN-163122	c 07	N83-31603* #
US-PATENT-APPL-SN-120797	c 14	N70-36824* #	US-PATENT-APPL-SN-144958	c 09	N72-20206* #	US-PATENT-APPL-SN-163151	c 74	N75-25706* #
US-PATENT-APPL-SN-120803	c 08	N70-34743* #	US-PATENT-APPL-SN-145007	c 18	N70-36400* #	US-PATENT-APPL-SN-163152	c 17	N73-27446* #
US-PATENT-APPL-SN-121328	c 23	N72-11568* #	US-PATENT-APPL-SN-145026	c 06	N72-25152* #	US-PATENT-APPL-SN-163387	c 47	N83-32232* #
US-PATENT-APPL-SN-122965	c 35	N81-26431* #	US-PATENT-APPL-SN-145027	c 06	N73-32029* #	US-PATENT-APPL-SN-163388	c 23	N82-28353* #
US-PATENT-APPL-SN-122966	c 33	N80-19425* #	US-PATENT-APPL-SN-145107	c 27	N82-16238* #	US-PATENT-APPL-SN-163389	c 23	N80-26386* #
US-PATENT-APPL-SN-122966	c 33	N82-26568* #	US-PATENT-APPL-SN-145206	c 32	N82-11336* #	US-PATENT-APPL-SN-163480	c 37	N81-33482* #
US-PATENT-APPL-SN-122967	c 24	N81-26179* #	US-PATENT-APPL-SN-145207	c 25	N82-28368* #	US-PATENT-APPL-SN-164-584	c 24	N83-33950* #
US-PATENT-APPL-SN-123253	c 10	N73-12244* #	US-PATENT-APPL-SN-145208	c 34	N83-34221* #	US-PATENT-APPL-SN-164428	c 09	N70-35440* #
US-PATENT-APPL-SN-123597	c 21	N70-34297* #	US-PATENT-APPL-SN-145209	c 27	N82-29453* #	US-PATENT-APPL-SN-164617	c 06	N81-17057* #
US-PATENT-APPL-SN-124909	c 14	N73-16483* #	US-PATENT-APPL-SN-145210	c 09	N82-23254* #	US-PATENT-APPL-SN-165910	c 32	N83-31918* #
US-PATENT-APPL-SN-125234	c 07	N73-16121* #	US-PATENT-APPL-SN-145271	c 23	N81-29160* #	US-PATENT-APPL-SN-166487	c 11	N73-32152* #
US-PATENT-APPL-SN-125235	c 51	N77-25769* #	US-PATENT-APPL-SN-145272	c 33	N82-28545* #	US-PATENT-APPL-SN-166541	c 14	N73-13415* #
US-PATENT-APPL-SN-125236	c 14	N73-26431* #	US-PATENT-APPL-SN-145273	c 51	N81-32829* #	US-PATENT-APPL-SN-166969	c 15	N70-34249* #
US-PATENT-APPL-SN-125979	c 09	N72-25255* #	US-PATENT-APPL-SN-145282	c 74	N82-24072* #	US-PATENT-APPL-SN-166970	c 15	N70-36409* #
US-PATENT-APPL-SN-126063	c 44	N83-10501* #	US-PATENT-APPL-SN-145283	c 27	N81-24256* #	US-PATENT-APPL-SN-167719	c 16	N73-33397* #
US-PATENT-APPL-SN-126064	c 33	N82-18493* #	US-PATENT-APPL-SN-145284	c 27	N82-24338* #	US-PATENT-APPL-SN-16808	c 14	N72-22445* #
US-PATENT-APPL-SN-126138	c 34	N82-13376* #	US-PATENT-APPL-SN-146217	c 14	N71-34389* #	US-PATENT-APPL-SN-168560	c 02	N70-34856* #
US-PATENT-APPL-SN-12661	c 14	N72-22437* #	US-PATENT-APPL-SN-146935	c 14	N73-20475* #	US-PATENT-APPL-SN-168650	c 14	N73-13416* #
US-PATENT-APPL-SN-127234	c 08	N70-35423* #	US-PATENT-APPL-SN-146939	c 73	N75-30876* #	US-PATENT-APPL-SN-168943	c 54	N82-26987* #
US-PATENT-APPL-SN-127480	c 37	N75-26371* #	US-PATENT-APPL-SN-146940	c 05	N73-32014* #	US-PATENT-APPL-SN-168944	c 37	N82-32731* #
US-PATENT-APPL-SN-127481	c 24	N75-28135* #	US-PATENT-APPL-SN-147099	c 14	N73-13417* #	US-PATENT-APPL-SN-168995	c 33	N80-32651* #
US-PATENT-APPL-SN-127618	c 02	N73-13008* #	US-PATENT-APPL-SN-147103	c 10	N73-20253* #	US-PATENT-APPL-SN-169671	c 10	N73-30205* #
US-PATENT-APPL-SN-127647	c 15	N73-27405* #	US-PATENT-APPL-SN-147695	c 32	N81-16338* #	US-PATENT-APPL-SN-169962	c 34	N74-30608* #
US-PATENT-APPL-SN-127915	c 02	N73-26004* #	US-PATENT-APPL-SN-147700	c 27	N82-24339* #	US-PATENT-APPL-SN-169977	c 14	N70-34794* #
US-PATENT-APPL-SN-127984	c 33	N75-27250* #	US-PATENT-APPL-SN-147922	c 18	N73-19793* #	US-PATENT-APPL-SN-170440	c 15	N73-13462* #
US-PATENT-APPL-SN-128229	c 35	N82-24471* #	US-PATENT-APPL-SN-147940	c 24	N72-10375* #	US-PATENT-APPL-SN-170544	c 36	N77-19416* #
US-PATENT-APPL-SN-128230	c 60	N80-21987* #	US-PATENT-APPL-SN-147996	c 28	N73-24784* #	US-PATENT-APPL-SN-170680	c 34	N74-15652* #
US-PATENT-APPL-SN-128419	c 14	N73-20477* #	US-PATENT-APPL-SN-147997	c 15	N72-33477* #	US-PATENT-APPL-SN-170681	c 10	N73-25240* #
US-PATENT-APPL-SN-129071	c 09	N72-25254* #	US-PATENT-APPL-SN-148001	c 14	N70-34298* #	US-PATENT-APPL-SN-17101	c 28	N72-18766* #
US-PATENT-APPL-SN-129072	c 15	N73-13467* #	US-PATENT-APPL-SN-148756	c 15	N73-13466* #	US-PATENT-APPL-SN-171928	c 33	N82-26570* #
US-PATENT-APPL-SN-129073	c 15	N73-13464* #	US-PATENT-APPL-SN-149283	c 35	N74-17153* #	US-PATENT-APPL-SN-171933	c 37	N82-12441* #
US-PATENT-APPL-SN-129379	c 37	N79-33468* #	US-PATENT-APPL-SN-149526	c 52	N82-33996* #	US-PATENT-APPL-SN-171934	c 35	N82-26628* #
US-PATENT-APPL-SN-129579	c 28	N70-35381* #	US-PATENT-APPL-SN-149983	c 31	N72-21893* #	US-PATENT-APPL-SN-172098	c 33	N80-29583* #
US-PATENT-APPL-SN-129778	c 60	N82-24839* #	US-PATENT-APPL-SN-150040	c 36	N82-29589* #	US-PATENT-APPL-SN-172099	c 32	N82-27558* #
US-PATENT-APPL-SN-129779	c 60	N82-16747* #	US-PATENT-APPL-SN-150115	c 44	N82-16475* #	US-PATENT-APPL-SN-172100	c 27	N82-33520* #
US-PATENT-APPL-SN-129780	c 44	N82-24639* #	US-PATENT-APPL-SN-15019	c 15	N72-17455* #	US-PATENT-APPL-SN-172459	c 06	N73-16106* #
US-PATENT-APPL-SN-129783	c 04	N82-23231* #	US-PATENT-APPL-SN-15020	c 14	N70-34697* #	US-PATENT-APPL-SN-172727	c 33	N81-26360* #
US-PATENT-APPL-SN-129783	c 33	N82-16340* #	US-PATENT-APPL-SN-150215	c 33	N73-25952* #	US-PATENT-APPL-SN-172807	c 07	N73-28012* #
US-PATENT-APPL-SN-129798	c 27	N81-27271* #	US-PATENT-APPL-SN-15022	c 15	N72-21465* #	US-PATENT-APPL-SN-173081	c 28	N70-36806* #
US-PATENT-APPL-SN-129799	c 27	N82-18389* #	US-PATENT-APPL-SN-15023	c 15	N70-34699* #	US-PATENT-APPL-SN-173178	c 33	N77-21315* #
US-PATENT-APPL-SN-130353	c 31	N73-14853* #	US-PATENT-APPL-SN-15024	c 09	N72-21245* #	US-PATENT-APPL-SN-173185	c 23	N73-13660* #
US-PATENT-APPL-SN-130496	c 36	N83-10417* #	US-PATENT-APPL-SN-15025	c 03	N72-20033* #	US-PATENT-APPL-SN-173190	c 05	N73-32015* #
US-PATENT-APPL-SN-132364	c 07	N83-36029* #	US-PATENT-APPL-SN-150690	c 35	N79-33450* #	US-PATENT-APPL-SN-173518	c 60	N82-29013* #
US-PATENT-APPL-SN-13266	c 05	N72-23085* #	US-PATENT-APPL-SN-151112	c 15	N70-34814* #	US-PATENT-APPL-SN-173519	c 44	N82-26776* #
US-PATENT-APPL-SN-134479	c 14	N70-33179* #	US-PATENT-APPL-SN-151114	c 31	N70-34176* #	US-PATENT-APPL-SN-173520	c 31	N83-27058* #
US-PATENT-APPL-SN-134481	c 11	N70-34815* #	US-PATENT-APPL-SN-151411	c 07	N73-26118* #	US-PATENT-APPL-SN-173524	c 35	N82-32659* #
US-PATENT-APPL-SN-134567	c 14	N73-16484* #	US-PATENT-APPL-SN-151412	c 09	N73-32112* #	US-PATENT-APPL-SN-173981	c 14	N70-35666* #
US-PATENT-APPL-SN-134568	c 06	N72-31141* #	US-PATENT-APPL-SN-151413	c 14	N73-12447* #	US-PATENT-APPL-SN-174684	c 33	N75-31331* #
US-PATENT-APPL-SN-134571	c 21	N73-13644* #	US-PATENT-APPL-SN-151598	c 03	N70-34134* #	US-PATENT-APPL-SN-175267	c 14	N73-28486* #
US-PATENT-APPL-SN-134573	c 09	N72-25257* #	US-PATENT-APPL-SN-15222	c 18	N72-25539* #	US-PATENT-APPL-SN-175452	c 27	N81-27272* #
US-PATENT-APPL-SN-134619	c 35	N79-33449* #	US-PATENT-APPL-SN-152328	c 02	N74-20646* #	US-PATENT-APPL-SN-175453	c 85	N82-33288* #
US-PATENT-APPL-SN-134658	c 15	N73-28515* #	US-PATENT-APPL-SN-152849	c 15	N73-30457* #	US-PATENT-APPL-SN-175497	c 08	N73-28045* #
US-PATENT-APPL-SN-134782	c 09	N70-36494* #	US-PATENT-APPL-SN-153240	c 33	N80-26601* #	US-PATENT-APPL-SN-175852	c 25	N73-25760* #
US-PATENT-APPL-SN-134855	c 44	N81-24521* #	US-PATENT-APPL-SN-153245	c 74	N83-29032* #	US-PATENT-APPL-SN-175881	c 09	N73-15235* #
US-PATENT-APPL-SN-135038	c 33	N83-19554* #	US-PATENT-APPL-SN-153246	c 52	N82-29863* #	US-PATENT-APPL-SN-175981	c 16	N73-30476* #
US-PATENT-APPL-SN-135039	c 33	N82-24416* #	US-PATENT-APPL-SN-153266	c 02	N70-38011* #	US-PATENT-APPL-SN-175983	c 31	N73-32750* #
US-PATENT-APPL-SN-135040	c 09	N82-11088* #	US-PATENT-APPL-SN-153542	c 28	N73-32606* #	US-PATENT-APPL-SN-177684	c 28	N70-34860* #
US-PATENT-APPL-SN-135056	c 37	N81-33483* #	US-PATENT-APPL-SN-153543	c 08	N73-26176* #	US-PATENT-APPL-SN-177753	c 07	N72-20154* #
US-PAT								

US-PATENT-APPL-SN-178771

REPORT NUMBER INDEX

US-PATENT-APPL-SN-178771	c 23	N75-14834* #	US-PATENT-APPL-SN-196931	c 35	N74-17885* #	US-PATENT-APPL-SN-214089	c 35	N74-21018* #
US-PATENT-APPL-SN-180230	c 33	N83-18996* #	US-PATENT-APPL-SN-196970	c 15	N73-33383* #	US-PATENT-APPL-SN-214361	c 37	N83-32067* #
US-PATENT-APPL-SN-180370	c 28	N70-33375* #	US-PATENT-APPL-SN-197183	c 02	N76-22154* #	US-PATENT-APPL-SN-21508	c 08	N72-20176* #
US-PATENT-APPL-SN-180374	c 28	N70-38181* #	US-PATENT-APPL-SN-197548	c 09	N70-34502* #	US-PATENT-APPL-SN-21644	c 05	N72-22092* #
US-PATENT-APPL-SN-180377	c 15	N70-36908* #	US-PATENT-APPL-SN-197551	c 31	N70-34976* #	US-PATENT-APPL-SN-216710	c 12	N70-38997* #
US-PATENT-APPL-SN-180379	c 21	N70-35395* #	US-PATENT-APPL-SN-197553	c 08	N70-34778* #	US-PATENT-APPL-SN-216711	c 03	N70-34157* #
US-PATENT-APPL-SN-180380	c 09	N70-38998* #	US-PATENT-APPL-SN-197554	c 14	N70-35368* #	US-PATENT-APPL-SN-216939	c 14	N70-40400* #
US-PATENT-APPL-SN-180381	c 21	N70-35089* #	US-PATENT-APPL-SN-197689	c 31	N74-14133* #	US-PATENT-APPL-SN-217213	c 37	N74-11301* #
US-PATENT-APPL-SN-180382	c 28	N70-38645* #	US-PATENT-APPL-SN-197689	c 31	N75-13111* #	US-PATENT-APPL-SN-21732	c 15	N70-26819* #
US-PATENT-APPL-SN-180384	c 11	N70-38675* #	US-PATENT-APPL-SN-197870	c 14	N73-32322* #	US-PATENT-APPL-SN-217336	c 27	N82-29456* #
US-PATENT-APPL-SN-180391	c 28	N70-38249* #	US-PATENT-APPL-SN-198093	c 39	N70-34250* #	US-PATENT-APPL-SN-218585	c 27	N82-24340* #
US-PATENT-APPL-SN-180392	c 09	N71-13530* #	US-PATENT-APPL-SN-198285	c 09	N73-13208* #	US-PATENT-APPL-SN-218586	c 36	N81-22344* #
US-PATENT-APPL-SN-180394	c 15	N70-38603* #	US-PATENT-APPL-SN-198289	c 14	N73-32326* #	US-PATENT-APPL-SN-218587	c 27	N82-28440* #
US-PATENT-APPL-SN-180395	c 15	N70-36947* #	US-PATENT-APPL-SN-198355	c 05	N72-15098* #	US-PATENT-APPL-SN-218588	c 27	N82-33521* #
US-PATENT-APPL-SN-180396	c 11	N70-38202* #	US-PATENT-APPL-SN-198362	c 14	N73-28489* #	US-PATENT-APPL-SN-218965	c 10	N73-32145* #
US-PATENT-APPL-SN-180473	c 28	N73-27699* #	US-PATENT-APPL-SN-198379	c 15	N73-32359* #	US-PATENT-APPL-SN-21906	c 09	N72-17157* #
US-PATENT-APPL-SN-180683	c 10	N73-25241* #	US-PATENT-APPL-SN-198472	c 27	N74-12812* #	US-PATENT-APPL-SN-219435	c 24	N74-27035* #
US-PATENT-APPL-SN-180693	c 14	N73-27378* #	US-PATENT-APPL-SN-198763	c 31	N74-18124* #	US-PATENT-APPL-SN-219436	c 15	N72-21489* #
US-PATENT-APPL-SN-181023	c 15	N73-26472* #	US-PATENT-APPL-SN-198763	c 31	N74-32920* #	US-PATENT-APPL-SN-219590	c 06	N73-32030* #
US-PATENT-APPL-SN-181024	c 07	N73-26117* #	US-PATENT-APPL-SN-198885	c 05	N73-27062* #	US-PATENT-APPL-SN-219640	c 74	N83-13978* #
US-PATENT-APPL-SN-181828	c 02	N70-34858* #	US-PATENT-APPL-SN-199199	c 25	N71-29184* #	US-PATENT-APPL-SN-219677	c 44	N82-31764* #
US-PATENT-APPL-SN-181829	c 31	N70-38010* #	US-PATENT-APPL-SN-199202	c 14	N70-40239* #	US-PATENT-APPL-SN-219678	c 44	N82-29709* #
US-PATENT-APPL-SN-182033	c 33	N73-27796* #	US-PATENT-APPL-SN-19971	c 09	N70-33312* #	US-PATENT-APPL-SN-219680	c 27	N82-28442* #
US-PATENT-APPL-SN-182399	c 07	N73-28013* #	US-PATENT-APPL-SN-199765	c 33	N81-12330* #	US-PATENT-APPL-SN-219681	c 24	N82-29362* #
US-PATENT-APPL-SN-182692	c 15	N70-36535* #	US-PATENT-APPL-SN-199766	c 36	N81-12407* #	US-PATENT-APPL-SN-219722	c 03	N75-30132* #
US-PATENT-APPL-SN-182696	c 21	N70-36938* #	US-PATENT-APPL-SN-199767	c 33	N81-16626* #	US-PATENT-APPL-SN-219806	c 07	N74-28226* #
US-PATENT-APPL-SN-182698	c 15	N70-38620* #	US-PATENT-APPL-SN-199768	c 27	N81-15107* #	US-PATENT-APPL-SN-219968	c 33	N83-27126* #
US-PATENT-APPL-SN-182699	c 28	N70-38504* #	US-PATENT-APPL-SN-199769	c 26	N82-31505* #	US-PATENT-APPL-SN-220212	c 33	N83-31952* #
US-PATENT-APPL-SN-182879	c 37	N82-32730* #	US-PATENT-APPL-SN-199957	c 10	N73-26229* #	US-PATENT-APPL-SN-220213	c 37	N81-16469* #
US-PATENT-APPL-SN-182880	c 37	N83-19091* #	US-PATENT-APPL-SN-200040	c 52	N74-10975* #	US-PATENT-APPL-SN-220214	c 44	N82-29710* #
US-PATENT-APPL-SN-182881	c 18	N83-28064* #	US-PATENT-APPL-SN-200085	c 26	N73-26751* #	US-PATENT-APPL-SN-220251	c 37	N74-15125* #
US-PATENT-APPL-SN-182977	c 39	N74-13131* #	US-PATENT-APPL-SN-200634	c 34	N83-27144* #	US-PATENT-APPL-SN-220274	c 31	N72-20840* #
US-PATENT-APPL-SN-182978	c 16	N73-13489* #	US-PATENT-APPL-SN-200682	c 07	N73-14130* #	US-PATENT-APPL-SN-220274	c 18	N74-22136* #
US-PATENT-APPL-SN-183240	c 06	N73-30098* #	US-PATENT-APPL-SN-200717	c 09	N73-19234* #	US-PATENT-APPL-SN-220785	c 85	N74-36672* #
US-PATENT-APPL-SN-183707	c 23	N80-31472* #	US-PATENT-APPL-SN-200762	c 03	N73-20040* #	US-PATENT-APPL-SN-221093	c 17	N73-32415* #
US-PATENT-APPL-SN-183977	c 28	N70-38505* #	US-PATENT-APPL-SN-200770	c 09	N79-21084* #	US-PATENT-APPL-SN-221276	c 14	N70-41955* #
US-PATENT-APPL-SN-183978	c 15	N70-38020* #	US-PATENT-APPL-SN-201700	c 33	N74-17930* #	US-PATENT-APPL-SN-221634	c 05	N70-34857* #
US-PATENT-APPL-SN-184090	c 14	N73-23237* #	US-PATENT-APPL-SN-201782	c 15	N73-19458* #	US-PATENT-APPL-SN-221637	c 26	N70-36805* #
US-PATENT-APPL-SN-18427	c 09	N72-23172* #	US-PATENT-APPL-SN-201904	c 15	N73-30458* #	US-PATENT-APPL-SN-221670	c 35	N77-14408* #
US-PATENT-APPL-SN-184649	c 07	N70-36911* #	US-PATENT-APPL-SN-201904	c 37	N74-15128* #	US-PATENT-APPL-SN-221685	c 35	N74-21062* #
US-PATENT-APPL-SN-184960	c 06	N73-27980* #	US-PATENT-APPL-SN-201904	c 37	N74-21064* #	US-PATENT-APPL-SN-221714	c 09	N73-32110* #
US-PATENT-APPL-SN-185865	c 52	N80-33081* #	US-PATENT-APPL-SN-202024	c 14	N70-34156* #	US-PATENT-APPL-SN-221833	c 09	N73-27150* #
US-PATENT-APPL-SN-185867	c 44	N82-26777* #	US-PATENT-APPL-SN-202029	c 11	N70-34786* #	US-PATENT-APPL-SN-221945	c 31	N70-36410* #
US-PATENT-APPL-SN-185869	c 71	N82-16800* #	US-PATENT-APPL-SN-202030	c 31	N71-10747* #	US-PATENT-APPL-SN-22265	c 14	N72-21405* #
US-PATENT-APPL-SN-186700	c 32	N74-12912* #	US-PATENT-APPL-SN-202228	c 34	N82-11399* #	US-PATENT-APPL-SN-223003	c 33	N70-36846* #
US-PATENT-APPL-SN-186881	c 74	N82-30071* #	US-PATENT-APPL-SN-202750	c 19	N74-21015* #	US-PATENT-APPL-SN-22320	c 14	N72-11365* #
US-PATENT-APPL-SN-187106	c 74	N83-17305* #	US-PATENT-APPL-SN-202769	c 05	N73-27941* #	US-PATENT-APPL-SN-223560	c 10	N70-32144* #
US-PATENT-APPL-SN-187143	c 36	N74-13205* #	US-PATENT-APPL-SN-203271	c 51	N74-15778* #	US-PATENT-APPL-SN-224231	c 06	N83-10040* #
US-PATENT-APPL-SN-187262	c 15	N73-27406* #	US-PATENT-APPL-SN-203405	c 02	N73-26006* #	US-PATENT-APPL-SN-224232	c 36	N83-29680* #
US-PATENT-APPL-SN-187365	c 35	N74-15127* #	US-PATENT-APPL-SN-203409	c 28	N70-38197* #	US-PATENT-APPL-SN-224489	c 31	N74-18089* #
US-PATENT-APPL-SN-187446	c 31	N70-37924* #	US-PATENT-APPL-SN-203411	c 33	N70-34812* #	US-PATENT-APPL-SN-225499	c 37	N81-16470* #
US-PATENT-APPL-SN-18776	c 28	N70-33284* #	US-PATENT-APPL-SN-20370	c 33	N79-33393* #	US-PATENT-APPL-SN-225501	c 44	N82-28780* #
US-PATENT-APPL-SN-18780	c 12	N70-33305* #	US-PATENT-APPL-SN-204015	c 09	N70-38201* #	US-PATENT-APPL-SN-226476	c 10	N73-32143* #
US-PATENT-APPL-SN-188160	c 74	N82-19029* #	US-PATENT-APPL-SN-205047	c 15	N73-32360* #	US-PATENT-APPL-SN-226477	c 74	N74-27866* #
US-PATENT-APPL-SN-188594	c 15	N70-34967* #	US-PATENT-APPL-SN-205470	c 08	N71-18752* #	US-PATENT-APPL-SN-226551	c 06	N73-26100* #
US-PATENT-APPL-SN-188836	c 35	N74-34857* #	US-PATENT-APPL-SN-205675	c 14	N73-30386* #	US-PATENT-APPL-SN-227682	c 14	N70-34161* #
US-PATENT-APPL-SN-188927	c 08	N73-32081* #	US-PATENT-APPL-SN-206266	c 76	N74-20329* #	US-PATENT-APPL-SN-227683	c 02	N70-36804* #
US-PATENT-APPL-SN-188928	c 37	N74-13178* #	US-PATENT-APPL-SN-206266	c 76	N75-25730* #	US-PATENT-APPL-SN-227692	c 14	N70-40003* #
US-PATENT-APPL-SN-189234	c 24	N81-12174* #	US-PATENT-APPL-SN-206279	c 02	N73-26005* #	US-PATENT-APPL-SN-227977	c 25	N76-18245* #
US-PATENT-APPL-SN-189290	c 14	N73-27379* #	US-PATENT-APPL-SN-206279	c 05	N76-29217* #	US-PATENT-APPL-SN-228049	c 37	N79-33467* #
US-PATENT-APPL-SN-189375	c 18	N73-14584* #	US-PATENT-APPL-SN-206506	c 33	N82-24422* #	US-PATENT-APPL-SN-228150	c 05	N73-32013* #
US-PATENT-APPL-SN-189438	c 35	N76-15431* #	US-PATENT-APPL-SN-206698	c 15	N73-30459* #	US-PATENT-APPL-SN-228163	c 44	N74-19693* #
US-PATENT-APPL-SN-189648	c 32	N70-36536* #	US-PATENT-APPL-SN-207135	c 35	N83-27184* #	US-PATENT-APPL-SN-228189	c 35	N74-11283* #
US-PATENT-APPL-SN-18982	c 28	N72-11708* #	US-PATENT-APPL-SN-207211	c 07	N73-30113* #	US-PATENT-APPL-SN-228190	c 23	N73-30666* #
US-PATENT-APPL-SN-190316	c 17	N73-32414* #	US-PATENT-APPL-SN-209478	c 07	N70-38200* #	US-PATENT-APPL-SN-228229	c 27	N77-31308* #
US-PATENT-APPL-SN-191301	c 25	N74-12813* #	US-PATENT-APPL-SN-209479	c 15	N70-34850* #	US-PATENT-APPL-SN-228507	c 11	N70-38182* #
US-PATENT-APPL-SN-191744	c 33	N82-29538* #	US-PATENT-APPL-SN-209535	c 28	N73-24783* #	US-PATENT-APPL-SN-228569	c 14	N71-16014* #
US-PATENT-APPL-SN-191746	c 26	N81-16209* #	US-PATENT-APPL-SN-20960	c 15	N72-17453* #	US-PATENT-APPL-SN-229128	c 14	N73-28490* #
US-PATENT-APPL-SN-191746	c 26	N82-30371* #	US-PATENT-APPL-SN-209618	c 33	N75-19520* #	US-PATENT-APPL-SN-229143	c 09	N72-21248* #
US-PATENT-APPL-SN-191748	c 35	N82-31659* #	US-PATENT-APPL-SN-209618	c 33	N75-25041* #	US-PATENT-APPL-SN-229143	c 33	N77-26387* #
US-PATENT-APPL-SN-192016	c 03	N70-36778* #	US-PATENT-APPL-SN-209801	c 08	N70-40125* #	US-PATENT-APPL-SN-229231	c 35	N83-34272* #
US-PATENT-APPL-SN-192101	c 10	N73-20254* #	US-PATENT-APPL-SN-210405	c 74	N83-18485* #	US-PATENT-APPL-SN-229233	c 27	N83-31855* #
US-PATENT-APPL-SN-192141	c 07	N73-24176* #	US-PATENT-APPL-SN-210491	c 02	N81-19016* #	US-PATENT-APPL-SN-229239	c 31	N83-31897* #
US-PATENT-APPL-SN-192803	c 07	N73-22076* #	US-PATENT-APPL-SN-210498	c 35	N81-19428* #	US-PATENT-APPL-SN-229286	c 33	N71-29052* #
US-PATENT-APPL-SN-192803	c 35	N76-16391* #	US-PATENT-APPL-SN-210506	c 39	N83-32081* #	US-PATENT-APPL-SN-229287	c 35	N76-29421* #
US-PATENT-APPL-SN-192970	c 23	N73-30665* #	US-PATENT-APPL-SN-210632	c 26	N83-10170* #	US-PATENT-APPL-SN-229354	c 62	N74-14920* #
US-PATENT-APPL-SN-193456	c 10	N73-25243* #	US-PATENT-APPL-SN-211332	c 02	N74-10034* #	US-PATENT-APPL-SN-229413	c 14	N73-32323* #
US-PATENT-APPL-SN-193671	c 15	N73-12488* #	US-PATENT-APPL-SN-211411	c 11	N73-20267* #	US-PATENT-APPL-SN-229693	c 25	N81-19245* #
US-PATENT-APPL-SN-193672	c 54	N74-14845* #	US-PATENT-APPL-SN-211464	c 28	N70-36910* #	US-PATENT-APPL-SN-229916	c 46	N74-13011* #
US-PATENT-APPL-SN-193814	c 14	N73-30393* #	US-PATENT-APPL-SN-212028	c 09	N73-14214* #	US-PATENT-APPL-SN-230613	c 05	N83-27975* #
US-PATENT-APPL-SN-193947	c 14	N73-13420* #	US-PATENT-APPL-SN-212165	c 14	N73-25460* #	US-PATENT-APPL-SN-23132	c 08	N72-22163* #
US-PATENT-APPL-SN-193980	c 31	N74-13177* #	US-PATENT-APPL-SN-212173	c 02	N71-13421* #	US-PATENT-APPL-SN-231520	c 27	N71-29155* #
US-PATENT-APPL-SN-195061	c 05	N73-25125* #	US-PATENT-APPL-SN-212174	c 15	N70-34859* #	US-PATENT-APPL-SN-231543	c 07	N83-20944* #
US-PATENT-APPL-SN-195223	c 35	N83-21311* #	US-PATENT-APPL-SN-212496	c 03	N70-36803* #	US-PATENT-APPL-SN-231604	c 28	N70-39925* #
US-PATENT-APPL-SN-195226	c 31	N83-31895* #	US-PATENT-APPL-SN-212497	c 11	N71-28779* #	US-PATENT-APPL-SN-231662	c 14	N73-30392* #
US-PATENT-APPL-SN-195227	c 74	N83-32577* #	US-PATENT-APPL-SN-21263	c 01	N71-12217* #	US-PATENT-APPL-SN-232021	c 04	N74-13420* #
US-PATENT-APPL-SN-195228	c 74	N83-10900* #	US-PATENT-APPL-SN-212900	c 14	N73-25462* #	US-PATENT-APPL-SN-232318	c 11	N71-15960* #
US-PATENT-APPL-SN-195346	c 15	N70-36492* #	US-PATENT-APPL-SN-212921	c 07	N73-20176* #	US-PATENT-APPL-SN-232914	c 15	N70-36412* #
US-PATENT-APPL-SN-195347	c 31	N70-34135* #	US-PATENT-APPL-SN-212949	c 35	N83-35338* #	US-PATENT-APPL-SN-233098	c 12	N73-25262* #
US-PATENT-APPL-SN-195547	c 33	N81-15194* #	US-PATENT-APPL-SN-212977	c 15	N73-30460* #	US-PATENT-APPL-SN-233173	c 12	N73-28144* #
US-PATENT-APPL-SN-195547	c 32	N83-18975* #	US-PATENT-APPL-SN					

REPORT NUMBER INDEX

US-PATENT-APPL-SN-284286

US-PATENT-APPL-SN-234222	c 44	N81-24525* #	US-PATENT-APPL-SN-247419	c 14	N70-36907* #	US-PATENT-APPL-SN-266688	c 37	N83-36483* #
US-PATENT-APPL-SN-234223	c 35	N83-21312* #	US-PATENT-APPL-SN-247423	c 01	N71-13410* #	US-PATENT-APPL-SN-266771	c 37	N74-18127* #
US-PATENT-APPL-SN-234224	c 36	N83-34304* #	US-PATENT-APPL-SN-247434	c 25	N76-29379* #	US-PATENT-APPL-SN-266820	c 07	N74-31270* #
US-PATENT-APPL-SN-234225	c 33	N83-36357* #	US-PATENT-APPL-SN-247434	c 25	N76-27383* #	US-PATENT-APPL-SN-266822	c 32	N74-10132* #
US-PATENT-APPL-SN-234568	c 28	N70-34788* #	US-PATENT-APPL-SN-247481	c 05	N73-26071* #	US-PATENT-APPL-SN-266832	c 33	N74-10195* #
US-PATENT-APPL-SN-235162	c 08	N71-12501* #	US-PATENT-APPL-SN-248469	c 14	N73-32318* #	US-PATENT-APPL-SN-266866	c 33	N73-32818* #
US-PATENT-APPL-SN-235266	c 26	N73-32571* #	US-PATENT-APPL-SN-248471	c 31	N74-27902* #	US-PATENT-APPL-SN-266899	c 60	N74-12888* #
US-PATENT-APPL-SN-235268	c 36	N74-15145* #	US-PATENT-APPL-SN-248744	c 05	N83-19737* #	US-PATENT-APPL-SN-266911	c 36	N74-20009* #
US-PATENT-APPL-SN-235269	c 09	N73-30181* #	US-PATENT-APPL-SN-248745	c 18	N83-29303* #	US-PATENT-APPL-SN-266912	c 32	N74-19788* #
US-PATENT-APPL-SN-235295	c 09	N73-30185* #	US-PATENT-APPL-SN-248746	c 37	N83-36482* #	US-PATENT-APPL-SN-266913	c 31	N74-23065* #
US-PATENT-APPL-SN-235332	c 07	N72-21117* #	US-PATENT-APPL-SN-248761	c 15	N74-27360* #	US-PATENT-APPL-SN-266925	c 54	N74-17853* #
US-PATENT-APPL-SN-235338	c 71	N74-31148* #	US-PATENT-APPL-SN-248985	c 03	N71-29129* #	US-PATENT-APPL-SN-266928	c 26	N74-10521* #
US-PATENT-APPL-SN-235363	c 74	N81-24907* #	US-PATENT-APPL-SN-249304	c 09	N81-27121* #	US-PATENT-APPL-SN-266930	c 54	N74-12779* #
US-PATENT-APPL-SN-235588	c 28	N71-28928* #	US-PATENT-APPL-SN-249537	c 14	N71-10797* #	US-PATENT-APPL-SN-266940	c 32	N74-32598* #
US-PATENT-APPL-SN-235796	c 35	N82-28604* #	US-PATENT-APPL-SN-249539	c 28	N71-15658* #	US-PATENT-APPL-SN-266943	c 72	N74-19310* #
US-PATENT-APPL-SN-235797	c 44	N83-32175* #	US-PATENT-APPL-SN-249540	c 15	N70-34861* #	US-PATENT-APPL-SN-267178	c 74	N82-10862* #
US-PATENT-APPL-SN-235866	c 52	N81-33804* #	US-PATENT-APPL-SN-249542	c 28	N70-41576* #	US-PATENT-APPL-SN-267179	c 54	N81-31848* #
US-PATENT-APPL-SN-235868	c 34	N83-29625* #	US-PATENT-APPL-SN-250451	c 08	N70-34787* #	US-PATENT-APPL-SN-267572	c 73	N74-26767* #
US-PATENT-APPL-SN-235957	c 14	N73-27376* #	US-PATENT-APPL-SN-250567	c 33	N71-24876* #	US-PATENT-APPL-SN-267768	c 70	N74-21300* #
US-PATENT-APPL-SN-235962	c 36	N74-11313* #	US-PATENT-APPL-SN-250585	c 62	N83-20634* #	US-PATENT-APPL-SN-267862	c 33	N74-21851* #
US-PATENT-APPL-SN-236052	c 14	N72-25428* #	US-PATENT-APPL-SN-250766	c 07	N73-30115* #	US-PATENT-APPL-SN-267935	c 71	N83-17235* #
US-PATENT-APPL-SN-236281	c 09	N73-20232* #	US-PATENT-APPL-SN-250974	c 31	N71-15664* #	US-PATENT-APPL-SN-269073	c 52	N74-26625* #
US-PATENT-APPL-SN-236285	c 08	N73-26175* #	US-PATENT-APPL-SN-251009	c 33	N81-24348* #	US-PATENT-APPL-SN-269212	c 07	N71-10775* #
US-PATENT-APPL-SN-236748	c 14	N70-40157* #	US-PATENT-APPL-SN-251449	c 07	N70-40063* #	US-PATENT-APPL-SN-269215	c 14	N70-41332* #
US-PATENT-APPL-SN-236749	c 15	N70-40180* #	US-PATENT-APPL-SN-251451	c 09	N70-35425* #	US-PATENT-APPL-SN-269222	c 15	N70-38225* #
US-PATENT-APPL-SN-236985	c 44	N74-19692* #	US-PATENT-APPL-SN-251609	c 05	N73-30078* #	US-PATENT-APPL-SN-269450	c 36	N76-18427* #
US-PATENT-APPL-SN-237029	c 09	N73-32108* #	US-PATENT-APPL-SN-251621	c 16	N73-32391* #	US-PATENT-APPL-SN-270118	c 33	N71-17610* #
US-PATENT-APPL-SN-237491	c 05	N75-12930* #	US-PATENT-APPL-SN-251752	c 24	N74-30001* #	US-PATENT-APPL-SN-270762	c 37	N81-31551* #
US-PATENT-APPL-SN-237694	c 35	N74-11284* #	US-PATENT-APPL-SN-251755	c 28	N70-39895* #	US-PATENT-APPL-SN-270763	c 36	N82-24485* #
US-PATENT-APPL-SN-238047	c 33	N74-12951* #	US-PATENT-APPL-SN-252259	c 33	N70-34545* #	US-PATENT-APPL-SN-271821	c 15	N71-10778* #
US-PATENT-APPL-SN-238257	c 34	N83-30957* #	US-PATENT-APPL-SN-253249	c 33	N74-11050* #	US-PATENT-APPL-SN-271822	c 15	N71-15967* #
US-PATENT-APPL-SN-238263	c 35	N74-10415* #	US-PATENT-APPL-SN-253405	c 10	N73-26228* #	US-PATENT-APPL-SN-271823	c 27	N71-28929* #
US-PATENT-APPL-SN-238264	c 37	N74-12061* #	US-PATENT-APPL-SN-253725	c 35	N74-13129* #	US-PATENT-APPL-SN-271824	c 07	N71-21476* #
US-PATENT-APPL-SN-238264	c 37	N74-32921* #	US-PATENT-APPL-SN-253774	c 25	N70-36946* #	US-PATENT-APPL-SN-271951	c 35	N74-15092* #
US-PATENT-APPL-SN-238264	c 37	N76-15461* #	US-PATENT-APPL-SN-254173	c 35	N75-13213* #	US-PATENT-APPL-SN-272152	c 27	N83-29388* #
US-PATENT-APPL-SN-238421	c 28	N71-29153* #	US-PATENT-APPL-SN-254177	c 10	N73-26230* #	US-PATENT-APPL-SN-272233	c 44	N81-27615* #
US-PATENT-APPL-SN-238785	c 44	N83-14693* #	US-PATENT-APPL-SN-254323	c 35	N76-15434* #	US-PATENT-APPL-SN-272234	c 25	N83-13188* #
US-PATENT-APPL-SN-238786	c 37	N83-26078* #	US-PATENT-APPL-SN-254575	c 25	N83-10126* #	US-PATENT-APPL-SN-272406	c 44	N81-27597* #
US-PATENT-APPL-SN-238790	c 44	N82-29708* #	US-PATENT-APPL-SN-254688	c 52	N83-27577* #	US-PATENT-APPL-SN-272407	c 52	N83-21785* #
US-PATENT-APPL-SN-238791	c 34	N82-20465* #	US-PATENT-APPL-SN-254847	c 15	N71-22874* #	US-PATENT-APPL-SN-272837	c 71	N81-27887* #
US-PATENT-APPL-SN-238826	c 28	N77-10213* #	US-PATENT-APPL-SN-25487	c 08	N72-21197* #	US-PATENT-APPL-SN-272837	c 71	N83-36846* #
US-PATENT-APPL-SN-238867	c 37	N81-22360* #	US-PATENT-APPL-SN-25488	c 08	N72-25206* #	US-PATENT-APPL-SN-272838	c 33	N82-25440* #
US-PATENT-APPL-SN-238888	c 37	N81-22358* #	US-PATENT-APPL-SN-255132	c 14	N71-15598* #	US-PATENT-APPL-SN-272839	c 33	N82-11359* #
US-PATENT-APPL-SN-239573	c 33	N74-10223* #	US-PATENT-APPL-SN-256317	c 52	N74-26626* #	US-PATENT-APPL-SN-273222	c 33	N74-27683* #
US-PATENT-APPL-SN-239574	c 09	N73-32107* #	US-PATENT-APPL-SN-256484	c 06	N70-34946* #	US-PATENT-APPL-SN-273240	c 35	N74-16135* #
US-PATENT-APPL-SN-239575	c 09	N74-19528* #	US-PATENT-APPL-SN-256493	c 20	N77-17143* #	US-PATENT-APPL-SN-27340	c 15	N72-20442* #
US-PATENT-APPL-SN-239576	c 33	N74-14935* #	US-PATENT-APPL-SN-257346	c 15	N70-36901* #	US-PATENT-APPL-SN-273519	c 35	N75-25122* #
US-PATENT-APPL-SN-239577	c 35	N74-13132* #	US-PATENT-APPL-SN-258152	c 35	N74-15090* #	US-PATENT-APPL-SN-273534	c 09	N70-38712* #
US-PATENT-APPL-SN-239803	c 70	N74-13436* #	US-PATENT-APPL-SN-258171	c 34	N74-27744* #	US-PATENT-APPL-SN-274065	c 16	N71-28963* #
US-PATENT-APPL-SN-240760	c 15	N71-16075* #	US-PATENT-APPL-SN-258331	c 03	N73-31988* #	US-PATENT-APPL-SN-274348	c 60	N76-18800* #
US-PATENT-APPL-SN-241061	c 06	N72-27151* #	US-PATENT-APPL-SN-258623	c 60	N83-32342* #	US-PATENT-APPL-SN-274360	c 32	N74-20809* #
US-PATENT-APPL-SN-241061	c 06	N73-33076* #	US-PATENT-APPL-SN-258931	c 14	N70-40203* #	US-PATENT-APPL-SN-274705	c 44	N83-21503* #
US-PATENT-APPL-SN-241085	c 14	N70-40238* #	US-PATENT-APPL-SN-258932	c 05	N70-36493* #	US-PATENT-APPL-SN-274706	c 44	N83-21504* #
US-PATENT-APPL-SN-241155	c 04	N81-22036* #	US-PATENT-APPL-SN-259056	c 27	N82-29455* #	US-PATENT-APPL-SN-274708	c 35	N81-27459* #
US-PATENT-APPL-SN-241154	c 27	N82-24344* #	US-PATENT-APPL-SN-259208	c 44	N81-27599* #	US-PATENT-APPL-SN-275118	c 35	N74-18088* #
US-PATENT-APPL-SN-24154	c 15	N70-35679* #	US-PATENT-APPL-SN-259209	c 01	N83-35992* #	US-PATENT-APPL-SN-276599	c 74	N81-19896* #
US-PATENT-APPL-SN-24154	c 15	N72-17450* #	US-PATENT-APPL-SN-259210	c 32	N83-27085* #	US-PATENT-APPL-SN-276748	c 33	N83-34189* #
US-PATENT-APPL-SN-24155	c 14	N73-26432* #	US-PATENT-APPL-SN-259211	c 28	N81-33306* #	US-PATENT-APPL-SN-276749	c 33	N81-27403* #
US-PATENT-APPL-SN-241614	c 10	N73-27171* #	US-PATENT-APPL-SN-259212	c 35	N81-33449* #	US-PATENT-APPL-SN-277404	c 05	N70-39922* #
US-PATENT-APPL-SN-241615	c 09	N73-32111* #	US-PATENT-APPL-SN-259213	c 25	N81-29178* #	US-PATENT-APPL-SN-277436	c 37	N74-25968* #
US-PATENT-APPL-SN-242027	c 52	N74-12778* #	US-PATENT-APPL-SN-259487	c 33	N70-36847* #	US-PATENT-APPL-SN-277833	c 03	N70-41580* #
US-PATENT-APPL-SN-242028	c 21	N73-30641* #	US-PATENT-APPL-SN-260087	c 21	N71-21688* #	US-PATENT-APPL-SN-277904	c 28	N74-27425* #
US-PATENT-APPL-SN-24224	c 09	N72-20200* #	US-PATENT-APPL-SN-260093	c 25	N74-26948* #	US-PATENT-APPL-SN-277961	c 33	N70-36617* #
US-PATENT-APPL-SN-242662	c 74	N74-15095* #	US-PATENT-APPL-SN-260241	c 74	N74-21304* #	US-PATENT-APPL-SN-278790	c 15	N70-34664* #
US-PATENT-APPL-SN-242790	c 06	N83-33882* #	US-PATENT-APPL-SN-261183	c 09	N74-30597* #	US-PATENT-APPL-SN-2792	c 14	N70-33386* #
US-PATENT-APPL-SN-242795	c 18	N83-20996* #	US-PATENT-APPL-SN-261912	c 14	N70-34818* #	US-PATENT-APPL-SN-279646	c 08	N71-21042* #
US-PATENT-APPL-SN-242796	c 44	N83-13579* #	US-PATENT-APPL-SN-261917	c 09	N70-40272* #	US-PATENT-APPL-SN-280029	c 35	N74-15126* #
US-PATENT-APPL-SN-242797	c 74	N81-22894* #	US-PATENT-APPL-SN-261918	c 28	N70-41447* #	US-PATENT-APPL-SN-280031	c 26	N73-26752* #
US-PATENT-APPL-SN-243374	c 15	N77-10112* #	US-PATENT-APPL-SN-262430	c 35	N74-18323* #	US-PATENT-APPL-SN-280032	c 35	N74-15093* #
US-PATENT-APPL-SN-243682	c 74	N83-19596* #	US-PATENT-APPL-SN-262596	c 14	N71-28958* #	US-PATENT-APPL-SN-280151	c 27	N83-36220* #
US-PATENT-APPL-SN-243683	c 33	N81-22280* #	US-PATENT-APPL-SN-262596	c 62	N76-31946* #	US-PATENT-APPL-SN-280153	c 51	N83-17045* #
US-PATENT-APPL-SN-243683	c 33	N83-28319* #	US-PATENT-APPL-SN-263230	c 33	N74-20860* #	US-PATENT-APPL-SN-280154	c 33	N83-10345* #
US-PATENT-APPL-SN-243684	c 37	N81-22359* #	US-PATENT-APPL-SN-263498	c 34	N74-27859* #	US-PATENT-APPL-SN-280305	c 34	N74-23039* #
US-PATENT-APPL-SN-243685	c 07	N81-27096* #	US-PATENT-APPL-SN-26375	c 02	N70-33286* #	US-PATENT-APPL-SN-280362	c 14	N71-28935* #
US-PATENT-APPL-SN-244158	c 32	N74-20863* #	US-PATENT-APPL-SN-26375	c 02	N70-34858* #	US-PATENT-APPL-SN-280390	c 37	N74-15128* #
US-PATENT-APPL-SN-244440	c 21	N73-19630* #	US-PATENT-APPL-SN-263815	c 09	N74-17955* #	US-PATENT-APPL-SN-280580	c 12	N71-21089* #
US-PATENT-APPL-SN-244440	c 14	N73-32320* #	US-PATENT-APPL-SN-263828	c 34	N83-19015* #	US-PATENT-APPL-SN-280776	c 14	N70-40273* #
US-PATENT-APPL-SN-244519	c 37	N74-18125* #	US-PATENT-APPL-SN-263829	c 05	N81-32138* #	US-PATENT-APPL-SN-280777	c 08	N70-41961* #
US-PATENT-APPL-SN-244523	c 31	N73-30829* #	US-PATENT-APPL-SN-263830	c 44	N83-28573* #	US-PATENT-APPL-SN-281069	c 14	N70-35394* #
US-PATENT-APPL-SN-244566	c 74	N74-20008* #	US-PATENT-APPL-SN-263957	c 52	N83-25346* #	US-PATENT-APPL-SN-28175	c 21	N70-33279* #
US-PATENT-APPL-SN-245063	c 33	N74-11049* #	US-PATENT-APPL-SN-264268	c 31	N78-17238* #	US-PATENT-APPL-SN-281875	c 25	N74-18551* #
US-PATENT-APPL-SN-245279	c 25	N74-30502* #	US-PATENT-APPL-SN-264378	c 24	N83-10117* #	US-PATENT-APPL-SN-281876	c 52	N74-20726* #
US-PATENT-APPL-SN-245571	c 07	N83-14129* #	US-PATENT-APPL-SN-264380	c 44	N83-14692* #	US-PATENT-APPL-SN-281877	c 35	N74-15146* #
US-PATENT-APPL-SN-245941	c 33	N71-17897* #	US-PATENT-APPL-SN-264381	c 52	N81-29768* #	US-PATENT-APPL-SN-281908	c 25	N75-12086* #
US-PATENT-APPL-SN-246056	c 38	N74-15395* #	US-PATENT-APPL-SN-264728	c 30	N70-40016* #	US-PATENT-APPL-SN-282129	c 24	N83-25789* #
US-PATENT-APPL-SN-246294	c 27	N82-29454* #	US-PATENT-APPL-SN-264729	c 33	N70-34540* #	US-PATENT-APPL-SN-282191	c 35	N83-29651* #
US-PATENT-APPL-SN-246295	c 27	N82-29452* #	US-PATENT-APPL-SN-264731	c 09	N70-41655* #	US-PATENT-APPL-SN-282192	c 74	N83-21949* #
US-PATENT-APPL-SN-246772	c 44	N83-10494* #	US-PATENT-APPL-SN-264735	c 28	N70-33265* #	US-PATENT-APPL-SN-282298	c 44	N81-29531* #
US-PATENT-APPL-SN-246773	c 35	N83-29650* #	US-PATENT-APPL-SN-264736	c 28	N70-36802* #	US-PATENT-APPL-SN-28235	c 10	N72-17171* #
US-PATENT								

US-PATENT-APPL-SN-284287

REPORT NUMBER INDEX

US-PATENT-APPL-SN-284287	c 32	N82-10286* #	US-PATENT-APPL-SN-30498	c 37	N74-21063* #	US-PATENT-APPL-SN-322545	c 14	N71-10774* #
US-PATENT-APPL-SN-284288	c 33	N83-36356* #	US-PATENT-APPL-SN-305012	c 35	N74-15094* #	US-PATENT-APPL-SN-322565	c 37	N75-27376* #
US-PATENT-APPL-SN-284289	c 18	N82-10106* #	US-PATENT-APPL-SN-305013	c 14	N73-13435* #	US-PATENT-APPL-SN-322997	c 37	N75-15992* #
US-PATENT-APPL-SN-284290	c 33	N83-34191* #	US-PATENT-APPL-SN-305020	c 21	N70-34295* #	US-PATENT-APPL-SN-322997	c 24	N79-25143* #
US-PATENT-APPL-SN-284314	c 33	N81-31482* #	US-PATENT-APPL-SN-305638	c 34	N74-23066* #	US-PATENT-APPL-SN-322998	c 35	N74-32877* #
US-PATENT-APPL-SN-285194	c 28	N82-25394* #	US-PATENT-APPL-SN-305639	c 37	N74-27904* #	US-PATENT-APPL-SN-323006	c 33	N79-24260* #
US-PATENT-APPL-SN-285705	c 37	N74-21056* #	US-PATENT-APPL-SN-306652	c 33	N74-32712* #	US-PATENT-APPL-SN-323182	c 03	N70-41864* #
US-PATENT-APPL-SN-286620	c 15	N71-30028* #	US-PATENT-APPL-SN-307269	c 24	N71-10560* #	US-PATENT-APPL-SN-324029	c 32	N74-27612* #
US-PATENT-APPL-SN-286824	c 44	N79-19447* #	US-PATENT-APPL-SN-307270	c 10	N71-16030* #	US-PATENT-APPL-SN-32496	c 15	N70-37925* #
US-PATENT-APPL-SN-287149	c 35	N74-32878* #	US-PATENT-APPL-SN-307271	c 09	N71-22999* #	US-PATENT-APPL-SN-325082	c 35	N83-29652* #
US-PATENT-APPL-SN-287150	c 37	N74-21065* #	US-PATENT-APPL-SN-307714	c 03	N76-32140* #	US-PATENT-APPL-SN-325083	c 33	N82-26575* #
US-PATENT-APPL-SN-288267	c 27	N83-31854* #	US-PATENT-APPL-SN-307727	c 32	N74-20813* #	US-PATENT-APPL-SN-325784	c 24	N76-14204* #
US-PATENT-APPL-SN-288847	c 33	N74-27862* #	US-PATENT-APPL-SN-307728	c 34	N74-27861* #	US-PATENT-APPL-SN-325885	c 35	N82-25484* #
US-PATENT-APPL-SN-288856	c 33	N74-20859* #	US-PATENT-APPL-SN-307729	c 31	N74-27900* #	US-PATENT-APPL-SN-325886	c 33	N83-34190* #
US-PATENT-APPL-SN-288857	c 14	N73-33361* #	US-PATENT-APPL-SN-308007	c 44	N83-34448* #	US-PATENT-APPL-SN-325931	c 37	N82-26674* #
US-PATENT-APPL-SN-289017	c 37	N74-27905* #	US-PATENT-APPL-SN-308008	c 35	N82-18557* #	US-PATENT-APPL-SN-325932	c 33	N82-24428* #
US-PATENT-APPL-SN-289018	c 08	N74-30421* #	US-PATENT-APPL-SN-308009	c 33	N83-36355* #	US-PATENT-APPL-SN-325933	c 76	N83-20789* #
US-PATENT-APPL-SN-289033	c 15	N73-32358* #	US-PATENT-APPL-SN-308020	c 27	N83-28240* #	US-PATENT-APPL-SN-326198	c 35	N75-12272* #
US-PATENT-APPL-SN-289033	c 37	N74-21055* #	US-PATENT-APPL-SN-308020	c 34	N82-10360* #	US-PATENT-APPL-SN-326298	c 14	N71-22765* #
US-PATENT-APPL-SN-289048	c 37	N74-21057* #	US-PATENT-APPL-SN-308024	c 31	N82-11312* #	US-PATENT-APPL-SN-326299	c 26	N71-17818* #
US-PATENT-APPL-SN-289049	c 19	N74-15089* #	US-PATENT-APPL-SN-308024	c 44	N83-28574* #	US-PATENT-APPL-SN-326326	c 35	N74-32879* #
US-PATENT-APPL-SN-289050	c 20	N74-32919* #	US-PATENT-APPL-SN-308918	c 27	N71-15634* #	US-PATENT-APPL-SN-326327	c 44	N74-27519* #
US-PATENT-APPL-SN-290021	c 37	N74-23064* #	US-PATENT-APPL-SN-309291	c 37	N82-20544* #	US-PATENT-APPL-SN-326364	c 51	N75-13502* #
US-PATENT-APPL-SN-290022	c 09	N73-12214* #	US-PATENT-APPL-SN-309292	c 37	N82-20545* #	US-PATENT-APPL-SN-32664	c 11	N72-25287* #
US-PATENT-APPL-SN-290030	c 33	N74-12887* #	US-PATENT-APPL-SN-309293	c 25	N83-13187* #	US-PATENT-APPL-SN-32665	c 14	N72-22444* #
US-PATENT-APPL-SN-290043	c 18	N75-27040* #	US-PATENT-APPL-SN-309354	c 11	N71-15926* #	US-PATENT-APPL-SN-327163	c 03	N71-20895* #
US-PATENT-APPL-SN-290867	c 28	N70-39931* #	US-PATENT-APPL-SN-310034	c 32	N74-30524* #	US-PATENT-APPL-SN-327565	c 02	N70-36825* #
US-PATENT-APPL-SN-290868	c 31	N70-34966* #	US-PATENT-APPL-SN-310193	c 33	N74-27682* #	US-PATENT-APPL-SN-327658	c 36	N82-25497* #
US-PATENT-APPL-SN-290870	c 15	N70-38996* #	US-PATENT-APPL-SN-310506	c 10	N71-16042* #	US-PATENT-APPL-SN-327659	c 33	N82-20398* #
US-PATENT-APPL-SN-290873	c 10	N71-16058* #	US-PATENT-APPL-SN-310507	c 07	N71-11298* #	US-PATENT-APPL-SN-327921	c 54	N75-13531* #
US-PATENT-APPL-SN-290915	c 32	N74-11000* #	US-PATENT-APPL-SN-310615	c 37	N74-27901* #	US-PATENT-APPL-SN-327969	c 35	N75-13213* #
US-PATENT-APPL-SN-291131	c 33	N83-31953* #	US-PATENT-APPL-SN-310616	c 35	N74-21017* #	US-PATENT-APPL-SN-328140	c 18	N71-21651* #
US-PATENT-APPL-SN-291132	c 33	N83-35227* #	US-PATENT-APPL-SN-310624	c 33	N74-17929* #	US-PATENT-APPL-SN-328760	c 31	N83-35177* #
US-PATENT-APPL-SN-291645	c 60	N82-11785* #	US-PATENT-APPL-SN-310713	c 27	N82-11210* #	US-PATENT-APPL-SN-328792	c 35	N75-12273* #
US-PATENT-APPL-SN-291845	c 52	N74-27566* #	US-PATENT-APPL-SN-310714	c 33	N82-11360* #	US-PATENT-APPL-SN-329237	c 33	N74-34638* #
US-PATENT-APPL-SN-292340	c 52	N79-21750* #	US-PATENT-APPL-SN-311175	c 52	N74-22771* #	US-PATENT-APPL-SN-329243	c 28	N74-33209* #
US-PATENT-APPL-SN-292382	c 27	N74-17283* #	US-PATENT-APPL-SN-311234	c 35	N74-23040* #	US-PATENT-APPL-SN-329331	c 15	N71-15906* #
US-PATENT-APPL-SN-292477	c 15	N73-12495* #	US-PATENT-APPL-SN-311387	c 23	N71-30027* #	US-PATENT-APPL-SN-329595	c 05	N70-41329* #
US-PATENT-APPL-SN-292596	c 10	N71-29135* #	US-PATENT-APPL-SN-312269	c 28	N71-14043* #	US-PATENT-APPL-SN-329958	c 33	N74-22885* #
US-PATENT-APPL-SN-292681	c 33	N74-10194* #	US-PATENT-APPL-SN-31242	c 28	N70-33374* #	US-PATENT-APPL-SN-330209	c 15	N70-41646* #
US-PATENT-APPL-SN-292682	c 14	N73-32319* #	US-PATENT-APPL-SN-312443	c 10	N71-21473* #	US-PATENT-APPL-SN-330210	c 14	N71-21090* #
US-PATENT-APPL-SN-292685	c 32	N74-20864* #	US-PATENT-APPL-SN-313132	c 28	N70-34175* #	US-PATENT-APPL-SN-330612	c 75	N82-24079* #
US-PATENT-APPL-SN-292686	c 20	N74-31269* #	US-PATENT-APPL-SN-313135	c 15	N70-35087* #	US-PATENT-APPL-SN-331323	c 07	N71-16088* #
US-PATENT-APPL-SN-292698	c 09	N73-32109* #	US-PATENT-APPL-SN-313136	c 09	N71-12540* #	US-PATENT-APPL-SN-331324	c 05	N70-35152* #
US-PATENT-APPL-SN-293412	c 27	N83-34039* #	US-PATENT-APPL-SN-313381	c 35	N74-15091* #	US-PATENT-APPL-SN-331359	c 10	N72-11256* #
US-PATENT-APPL-SN-293414	c 37	N82-11470* #	US-PATENT-APPL-SN-314074	c 15	N71-16079* #	US-PATENT-APPL-SN-331759	c 07	N76-18117* #
US-PATENT-APPL-SN-293417	c 37	N82-26673* #	US-PATENT-APPL-SN-314570	c 10	N71-28960* #	US-PATENT-APPL-SN-331760	c 35	N74-27860* #
US-PATENT-APPL-SN-293418	c 26	N83-31795* #	US-PATENT-APPL-SN-314572	c 14	N71-15992* #	US-PATENT-APPL-SN-332123	c 27	N80-32514* #
US-PATENT-APPL-SN-293419	c 33	N82-24427* #	US-PATENT-APPL-SN-314656	c 51	N77-25769* #	US-PATENT-APPL-SN-332313	c 21	N71-10678* #
US-PATENT-APPL-SN-293725	c 89	N74-30886* #	US-PATENT-APPL-SN-314702	c 31	N83-17746* #	US-PATENT-APPL-SN-332339	c 07	N71-11284* #
US-PATENT-APPL-SN-293726	c 37	N74-21055* #	US-PATENT-APPL-SN-314929	c 71	N83-32515* #	US-PATENT-APPL-SN-333535	c 74	N83-36898* #
US-PATENT-APPL-SN-293727	c 33	N74-14956* #	US-PATENT-APPL-SN-315048	c 34	N74-27730* #	US-PATENT-APPL-SN-333536	c 27	N82-24345* #
US-PATENT-APPL-SN-293739	c 35	N74-28097* #	US-PATENT-APPL-SN-315069	c 33	N74-20862* #	US-PATENT-APPL-SN-333537	c 44	N83-32176* #
US-PATENT-APPL-SN-294727	c 73	N77-18891* #	US-PATENT-APPL-SN-315070	c 60	N76-23850* #	US-PATENT-APPL-SN-333766	c 31	N71-15663* #
US-PATENT-APPL-SN-294738	c 73	N78-28913* #	US-PATENT-APPL-SN-315096	c 12	N70-40124* #	US-PATENT-APPL-SN-333770	c 21	N71-15583* #
US-PATENT-APPL-SN-295855	c 23	N71-17802* #	US-PATENT-APPL-SN-3151	c 05	N72-27102* #	US-PATENT-APPL-SN-333912	c 32	N74-19790* #
US-PATENT-APPL-SN-296137	c 74	N83-20757* #	US-PATENT-APPL-SN-315278	c 51	N83-28849* #	US-PATENT-APPL-SN-333938	c 14	N70-35587* #
US-PATENT-APPL-SN-296622	c 44	N76-31666* #	US-PATENT-APPL-SN-315582	c 74	N82-19030* #	US-PATENT-APPL-SN-334349	c 35	N75-19611* #
US-PATENT-APPL-SN-296879	c 26	N71-18064* #	US-PATENT-APPL-SN-315583	c 33	N82-12346* #	US-PATENT-APPL-SN-334672	c 14	N70-41330* #
US-PATENT-APPL-SN-297127	c 33	N74-27705* #	US-PATENT-APPL-SN-315584	c 28	N82-12241* #	US-PATENT-APPL-SN-334678	c 11	N71-10777* #
US-PATENT-APPL-SN-297128	c 32	N74-26654* #	US-PATENT-APPL-SN-315585	c 33	N82-12345* #	US-PATENT-APPL-SN-335036	c 25	N82-25335* #
US-PATENT-APPL-SN-297436	c 33	N79-11314* #	US-PATENT-APPL-SN-315587	c 25	N83-31743* #	US-PATENT-APPL-SN-335201	c 33	N74-17927* #
US-PATENT-APPL-SN-297486	c 35	N83-24828* #	US-PATENT-APPL-SN-315588	c 05	N82-18203* #	US-PATENT-APPL-SN-33535	c 06	N72-17093* #
US-PATENT-APPL-SN-297488	c 34	N82-24448* #	US-PATENT-APPL-SN-316477	c 18	N71-10772* #	US-PATENT-APPL-SN-335441	c 14	N71-23268* #
US-PATENT-APPL-SN-297524	c 33	N82-12349* #	US-PATENT-APPL-SN-316618	c 07	N74-15453* #	US-PATENT-APPL-SN-336103	c 16	N71-15550* #
US-PATENT-APPL-SN-298156	c 37	N75-13261* #	US-PATENT-APPL-SN-31702	c 16	N73-16536* #	US-PATENT-APPL-SN-336319	c 44	N74-33379* #
US-PATENT-APPL-SN-298156	c 26	N75-19408* #	US-PATENT-APPL-SN-31703	c 09	N72-21244* #	US-PATENT-APPL-SN-336320	c 15	N71-15966* #
US-PATENT-APPL-SN-298157	c 33	N74-21850* #	US-PATENT-APPL-SN-317310	c 36	N77-25502* #	US-PATENT-APPL-SN-336607	c 10	N71-15910* #
US-PATENT-APPL-SN-298799	c 14	N71-15962* #	US-PATENT-APPL-SN-317389	c 18	N70-41583* #	US-PATENT-APPL-SN-336608	c 32	N71-17645* #
US-PATENT-APPL-SN-298800	c 14	N70-34705* #	US-PATENT-APPL-SN-317391	c 15	N71-15968* #	US-PATENT-APPL-SN-337487	c 33	N74-26977* #
US-PATENT-APPL-SN-299042	c 15	N71-15918* #	US-PATENT-APPL-SN-317567	c 36	N75-15029* #	US-PATENT-APPL-SN-337816	c 35	N75-15931* #
US-PATENT-APPL-SN-29917	c 15	N73-13465* #	US-PATENT-APPL-SN-317977	c 25	N83-36118* #	US-PATENT-APPL-SN-338386	c 37	N82-26675* #
US-PATENT-APPL-SN-29917	c 26	N74-10521* #	US-PATENT-APPL-SN-318151	c 75	N74-30156* #	US-PATENT-APPL-SN-338484	c 32	N74-20811* #
US-PATENT-APPL-SN-29917	c 37	N74-13179* #	US-PATENT-APPL-SN-318152	c 52	N74-20728* #	US-PATENT-APPL-SN-339040	c 31	N70-41373* #
US-PATENT-APPL-SN-29979	c 09	N75-15662* #	US-PATENT-APPL-SN-318357	c 35	N74-21019* #	US-PATENT-APPL-SN-339806	c 07	N74-27490* #
US-PATENT-APPL-SN-300113	c 33	N70-33344* #	US-PATENT-APPL-SN-318358	c 27	N74-27037* #	US-PATENT-APPL-SN-339821	c 17	N70-33288* #
US-PATENT-APPL-SN-300712	c 15	N70-35407* #	US-PATENT-APPL-SN-318443	c 03	N70-34667* #	US-PATENT-APPL-SN-339825	c 28	N71-15660* #
US-PATENT-APPL-SN-300957	c 33	N71-29053* #	US-PATENT-APPL-SN-318848	c 35	N77-14408* #	US-PATENT-APPL-SN-340113	c 16	N70-41578* #
US-PATENT-APPL-SN-301039	c 37	N74-27903* #	US-PATENT-APPL-SN-31885	c 10	N72-17172* #	US-PATENT-APPL-SN-340791	c 35	N74-26945* #
US-PATENT-APPL-SN-301075	c 25	N83-29324* #	US-PATENT-APPL-SN-319150	c 33	N75-19519* #	US-PATENT-APPL-SN-340862	c 33	N77-26387* #
US-PATENT-APPL-SN-301077	c 33	N82-10324* #	US-PATENT-APPL-SN-319410	c 37	N74-20063* #	US-PATENT-APPL-SN-340863	c 25	N76-27383* #
US-PATENT-APPL-SN-301078	c 05	N82-25240* #	US-PATENT-APPL-SN-319892	c 07	N71-10609* #	US-PATENT-APPL-SN-340864	c 31	N74-21059* #
US-PATENT-APPL-SN-301417	c 71	N74-21014* #	US-PATENT-APPL-SN-319893	c 14	N70-41647* #	US-PATENT-APPL-SN-340871	c 44	N74-19870* #
US-PATENT-APPL-SN-301418	c 52	N76-29894* #	US-PATENT-APPL-SN-319894	c 03	N71-11053* #	US-PATENT-APPL-SN-341406	c 71	N83-35781* #
US-PATENT-APPL-SN-301419	c 34	N76-17317* #	US-PATENT-APPL-SN-319905	c 14	N71-10781* #	US-PATENT-APPL-SN-341467	c 15	N70-39924* #
US-PATENT-APPL-SN-301683	c 07	N71-15907* #	US-PATENT-APPL-SN-320233	c 33	N71-15625* #	US-PATENT-APPL-SN-341621	c 54	N74-20725* #
US-PATENT-APPL-SN-302681	c 37	N75-12326* #	US-PATENT-APPL-SN-320595	c 26	N70-40015* #	US-PATENT-APPL-SN-341662	c 08	N74-10942* #
US-PATENT-APPL-SN-302749	c 14	N70-40201* #	US-PATENT-APPL-SN-320621	c 27	N83-34040* #	US-PATENT-APPL-SN-3417	c 15	N72-22490* #
US-PATENT-APPL-SN-302913	c 76	N79-16678* #	US-PATENT-APPL-SN-321179	c 27	N74-21156* #	US-PATENT-APPL-SN-3418	c 15	N72-20446* #
US-PATENT-APPL-SN-303670	c 37	N82-11469* #	US-PATENT-APPL-SN-321180	c 05	N76-29217* #	US-PATENT-APPL-SN-3418	c 15	N73-19457* #
US-PATENT-APPL-SN-303671	c 31	N83-31896* #	US-PATENT-APPL-SN-32165					

REPORT NUMBER INDEX

US-PATENT-APPL-SN-393464

US-PATENT-APPL-SN-343308	c 19	N74-29410* #	US-PATENT-APPL-SN-361907	c 35	N74-27865* #	US-PATENT-APPL-SN-377780	c 11	N71-10604* #
US-PATENT-APPL-SN-343425	c 11	N70-35383* #	US-PATENT-APPL-SN-362145	c 32	N75-26194* #	US-PATENT-APPL-SN-377784	c 28	N70-41311* #
US-PATENT-APPL-SN-343426	c 07	N71-20814* #	US-PATENT-APPL-SN-362146	c 33	N75-18479* #	US-PATENT-APPL-SN-377891	c 52	N82-26961* #
US-PATENT-APPL-SN-343607	c 18	N74-27397* #	US-PATENT-APPL-SN-362261	c 14	N73-32325* #	US-PATENT-APPL-SN-377892	c 33	N83-24763* #
US-PATENT-APPL-SN-343760	c 07	N71-28979* #	US-PATENT-APPL-SN-362278	c 37	N78-17385* #	US-PATENT-APPL-SN-378080	c 12	N71-24692* #
US-PATENT-APPL-SN-344410	c 07	N74-33218* #	US-PATENT-APPL-SN-363130	c 25	N81-19244* #	US-PATENT-APPL-SN-378126	c 44	N76-18843* #
US-PATENT-APPL-SN-344793	c 03	N71-11058* #	US-PATENT-APPL-SN-363348	c 05	N70-41581* #	US-PATENT-APPL-SN-378127	c 44	N76-18841* #
US-PATENT-APPL-SN-345372	c 33	N74-22814* #	US-PATENT-APPL-SN-363653	c 07	N70-41331* #	US-PATENT-APPL-SN-378533	c 37	N82-25517* #
US-PATENT-APPL-SN-346356	c 14	N70-41676* #	US-PATENT-APPL-SN-363654	c 07	N70-41372* #	US-PATENT-APPL-SN-378535	c 74	N82-30073* #
US-PATENT-APPL-SN-346361	c 37	N74-21064* #	US-PATENT-APPL-SN-363691	c 20	N76-14190* #	US-PATENT-APPL-SN-379019	c 09	N75-12969* #
US-PATENT-APPL-SN-346372	c 35	N75-12270* #	US-PATENT-APPL-SN-364041	c 33	N82-26573* #	US-PATENT-APPL-SN-379049	c 31	N75-13111* #
US-PATENT-APPL-SN-346483	c 37	N74-32921* #	US-PATENT-APPL-SN-364072	c 24	N82-26386* #	US-PATENT-APPL-SN-379072	c 15	N71-16078* #
US-PATENT-APPL-SN-346483	c 37	N76-15461* #	US-PATENT-APPL-SN-364092	c 76	N83-35888* #	US-PATENT-APPL-SN-379417	c 02	N70-41863* #
US-PATENT-APPL-SN-347101	c 09	N70-41675* #	US-PATENT-APPL-SN-364093	c 37	N83-34323* #	US-PATENT-APPL-SN-379601	c 71	N82-29112* #
US-PATENT-APPL-SN-347626	c 15	N70-40204* #	US-PATENT-APPL-SN-364094	c 37	N82-29604* #	US-PATENT-APPL-SN-379602	c 44	N82-28784* #
US-PATENT-APPL-SN-347952	c 37	N75-13265* #	US-PATENT-APPL-SN-364097	c 71	N82-27086* #	US-PATENT-APPL-SN-379768	c 28	N71-10780* #
US-PATENT-APPL-SN-347953	c 05	N75-24716* #	US-PATENT-APPL-SN-364126	c 36	N82-26652* #	US-PATENT-APPL-SN-379771	c 33	N71-28852* #
US-PATENT-APPL-SN-347960	c 03	N70-39930* #	US-PATENT-APPL-SN-364867	c 09	N71-10673* #	US-PATENT-APPL-SN-380046	c 25	N76-29379* #
US-PATENT-APPL-SN-348422	c 27	N76-15311* #	US-PATENT-APPL-SN-365244	c 37	N78-17386* #	US-PATENT-APPL-SN-380630	c 37	N75-21631* #
US-PATENT-APPL-SN-348600	c 28	N71-29154* #	US-PATENT-APPL-SN-365331	c 07	N72-25174* #	US-PATENT-APPL-SN-380960	c 15	N70-41993* #
US-PATENT-APPL-SN-348787	c 33	N75-19521* #	US-PATENT-APPL-SN-365334	c 21	N73-14692* #	US-PATENT-APPL-SN-380965	c 10	N71-23033* #
US-PATENT-APPL-SN-349778	c 09	N70-40234* #	US-PATENT-APPL-SN-3654	c 35	N77-27367* #	US-PATENT-APPL-SN-381940	c 09	N71-27075* #
US-PATENT-APPL-SN-349781	c 31	N71-15647* #	US-PATENT-APPL-SN-365644	c 35	N74-26946* #	US-PATENT-APPL-SN-382261	c 35	N76-14430* #
US-PATENT-APPL-SN-349782	c 09	N71-16086* #	US-PATENT-APPL-SN-365950	c 27	N83-18908* #	US-PATENT-APPL-SN-382262	c 37	N74-21058* #
US-PATENT-APPL-SN-34989	c 36	N74-13205* #	US-PATENT-APPL-SN-366025	c 27	N82-26462* #	US-PATENT-APPL-SN-38262	c 28	N70-35422* #
US-PATENT-APPL-SN-350249	c 36	N75-15028* #	US-PATENT-APPL-SN-366103	c 25	N82-26397* #	US-PATENT-APPL-SN-382976	c 15	N71-21179* #
US-PATENT-APPL-SN-350250	c 27	N75-27160* #	US-PATENT-APPL-SN-366226	c 10	N71-16057* #	US-PATENT-APPL-SN-383063	c 44	N82-29713* #
US-PATENT-APPL-SN-350300	c 31	N74-32920* #	US-PATENT-APPL-SN-367121	c 24	N82-26389* #	US-PATENT-APPL-SN-383068	c 44	N82-29714* #
US-PATENT-APPL-SN-350471	c 35	N82-26634* #	US-PATENT-APPL-SN-367132	c 74	N82-27121* #	US-PATENT-APPL-SN-383083	c 33	N82-28550* #
US-PATENT-APPL-SN-350472	c 33	N82-22437* #	US-PATENT-APPL-SN-367134	c 44	N83-34449* #	US-PATENT-APPL-SN-383086	c 35	N82-29580* #
US-PATENT-APPL-SN-350473	c 07	N82-26294* #	US-PATENT-APPL-SN-367136	c 35	N82-26630* #	US-PATENT-APPL-SN-383384	c 06	N82-29319* #
US-PATENT-APPL-SN-350475	c 35	N82-26633* #	US-PATENT-APPL-SN-367187	c 44	N82-24716* #	US-PATENT-APPL-SN-384010	c 10	N71-28859* #
US-PATENT-APPL-SN-350476	c 44	N82-22673* #	US-PATENT-APPL-SN-367187	c 04	N82-26260* #	US-PATENT-APPL-SN-384547	c 36	N83-24842* #
US-PATENT-APPL-SN-350477	c 35	N82-26629* #	US-PATENT-APPL-SN-367268	c 05	N75-25914* #	US-PATENT-APPL-SN-384773	c 15	N76-14158* #
US-PATENT-APPL-SN-351259	c 15	N71-10672* #	US-PATENT-APPL-SN-367293	c 36	N75-19655* #	US-PATENT-APPL-SN-384811	c 15	N71-10809* #
US-PATENT-APPL-SN-351929	c 33	N75-14957* #	US-PATENT-APPL-SN-367294	c 76	N75-12810* #	US-PATENT-APPL-SN-385013	c 35	N75-19613* #
US-PATENT-APPL-SN-351950	c 33	N75-27249* #	US-PATENT-APPL-SN-367606	c 75	N75-13625* #	US-PATENT-APPL-SN-385059	c 33	N77-21315* #
US-PATENT-APPL-SN-352381	c 20	N75-18310* #	US-PATENT-APPL-SN-367606	c 75	N76-17951* #	US-PATENT-APPL-SN-385220	c 36	N82-28618* #
US-PATENT-APPL-SN-352381	c 37	N76-14461* #	US-PATENT-APPL-SN-368123	c 09	N71-10618* #	US-PATENT-APPL-SN-385520	c 14	N71-23037* #
US-PATENT-APPL-SN-352382	c 60	N75-13539* #	US-PATENT-APPL-SN-368187	c 52	N82-26960* #	US-PATENT-APPL-SN-385522	c 34	N75-33342* #
US-PATENT-APPL-SN-352383	c 35	N75-16783* #	US-PATENT-APPL-SN-368188	c 33	N82-24432* #	US-PATENT-APPL-SN-385526	c 12	N71-16031* #
US-PATENT-APPL-SN-352400	c 26	N71-10607* #	US-PATENT-APPL-SN-368189	c 15	N82-28318* #	US-PATENT-APPL-SN-385527	c 31	N71-17729* #
US-PATENT-APPL-SN-352821	c 44	N82-22672* #	US-PATENT-APPL-SN-36819	c 23	N72-22673* #	US-PATENT-APPL-SN-385530	c 09	N71-10798* #
US-PATENT-APPL-SN-352827	c 35	N82-26632* #	US-PATENT-APPL-SN-36926	c 28	N72-23810* #	US-PATENT-APPL-SN-386467	c 14	N70-40233* #
US-PATENT-APPL-SN-352831	c 74	N83-25542* #	US-PATENT-APPL-SN-369334	c 21	N71-22880* #	US-PATENT-APPL-SN-386789	c 35	N75-12271* #
US-PATENT-APPL-SN-353162	c 33	N75-26243* #	US-PATENT-APPL-SN-369336	c 09	N71-10659* #	US-PATENT-APPL-SN-386790	c 09	N75-12968* #
US-PATENT-APPL-SN-353632	c 15	N71-13789* #	US-PATENT-APPL-SN-369337	c 15	N70-41811* #	US-PATENT-APPL-SN-386793	c 35	N75-21514* #
US-PATENT-APPL-SN-353634	c 15	N70-41829* #	US-PATENT-APPL-SN-369338	c 08	N71-28925* #	US-PATENT-APPL-SN-386800	c 15	N71-21404* #
US-PATENT-APPL-SN-353637	c 02	N70-34160* #	US-PATENT-APPL-SN-369640	c 32	N70-41370* #	US-PATENT-APPL-SN-387094	c 37	N77-19457* #
US-PATENT-APPL-SN-353644	c 07	N71-23098* #	US-PATENT-APPL-SN-3696	c 10	N72-20224* #	US-PATENT-APPL-SN-387095	c 37	N75-33395* #
US-PATENT-APPL-SN-353645	c 15	N71-15922* #	US-PATENT-APPL-SN-370134	c 30	N70-40353* #	US-PATENT-APPL-SN-387266	c 35	N75-27328* #
US-PATENT-APPL-SN-354060	c 74	N76-19935* #	US-PATENT-APPL-SN-370135	c 11	N70-41677* #	US-PATENT-APPL-SN-387332	c 15	N70-32226* #
US-PATENT-APPL-SN-354126	c 37	N82-22496* #	US-PATENT-APPL-SN-370255	c 33	N75-18477* #	US-PATENT-APPL-SN-387342	c 37	N76-18457* #
US-PATENT-APPL-SN-354182	c 10	N71-20841* #	US-PATENT-APPL-SN-370271	c 32	N75-24981* #	US-PATENT-APPL-SN-387622	c 32	N83-30832* #
US-PATENT-APPL-SN-354406	c 52	N76-14757* #	US-PATENT-APPL-SN-37050	c 33	N74-26732* #	US-PATENT-APPL-SN-387646	c 37	N82-29605* #
US-PATENT-APPL-SN-354407	c 33	N74-22865* #	US-PATENT-APPL-SN-370582	c 18	N76-14186* #	US-PATENT-APPL-SN-387647	c 36	N82-28619* #
US-PATENT-APPL-SN-354408	c 35	N75-19614* #	US-PATENT-APPL-SN-370872	c 37	N74-32918* #	US-PATENT-APPL-SN-387648	c 37	N82-28642* #
US-PATENT-APPL-SN-354611	c 25	N74-26947* #	US-PATENT-APPL-SN-370989	c 23	N71-29049* #	US-PATENT-APPL-SN-387649	c 09	N82-29331* #
US-PATENT-APPL-SN-354612	c 35	N75-30504* #	US-PATENT-APPL-SN-370999	c 74	N78-15879* #	US-PATENT-APPL-SN-387728	c 37	N82-29605* #
US-PATENT-APPL-SN-355126	c 17	N71-15644* #	US-PATENT-APPL-SN-371322	c 44	N76-14600* #	US-PATENT-APPL-SN-388023	c 10	N70-41964* #
US-PATENT-APPL-SN-355129	c 14	N70-41957* #	US-PATENT-APPL-SN-371351	c 44	N82-26779* #	US-PATENT-APPL-SN-388024	c 32	N71-17609* #
US-PATENT-APPL-SN-355130	c 15	N70-40354* #	US-PATENT-APPL-SN-371352	c 52	N82-26962* #	US-PATENT-APPL-SN-38814	c 15	N72-11385* #
US-PATENT-APPL-SN-356488	c 08	N71-19544* #	US-PATENT-APPL-SN-371353	c 37	N82-26676* #	US-PATENT-APPL-SN-38816	c 70	N74-13436* #
US-PATENT-APPL-SN-356554	c 24	N75-33181* #	US-PATENT-APPL-SN-371354	c 24	N82-26385* #	US-PATENT-APPL-SN-38818	c 74	N78-15879* #
US-PATENT-APPL-SN-356555	c 37	N75-19685* #	US-PATENT-APPL-SN-371856	c 15	N70-42033* #	US-PATENT-APPL-SN-388966	c 31	N70-41855* #
US-PATENT-APPL-SN-356664	c 31	N75-12161* #	US-PATENT-APPL-SN-371857	c 07	N70-41680* #	US-PATENT-APPL-SN-388967	c 10	N71-23271* #
US-PATENT-APPL-SN-356692	c 15	N70-41371* #	US-PATENT-APPL-SN-372148	c 35	N74-26949* #	US-PATENT-APPL-SN-389916	c 18	N75-27041* #
US-PATENT-APPL-SN-357126	c 35	N74-34857* #	US-PATENT-APPL-SN-372149	c 37	N75-15050* #	US-PATENT-APPL-SN-389929	c 33	N75-25040* #
US-PATENT-APPL-SN-357312	c 27	N76-16229* #	US-PATENT-APPL-SN-372279	c 35	N82-32661* #	US-PATENT-APPL-SN-390049	c 37	N76-16466* #
US-PATENT-APPL-SN-357334	c 03	N71-12258* #	US-PATENT-APPL-SN-372438	c 30	N71-17788* #	US-PATENT-APPL-SN-390049	c 44	N76-29700* #
US-PATENT-APPL-SN-357336	c 03	N71-12259* #	US-PATENT-APPL-SN-372648	c 27	N71-16348* #	US-PATENT-APPL-SN-390250	c 21	N70-41856* #
US-PATENT-APPL-SN-357337	c 15	N71-10782* #	US-PATENT-APPL-SN-372727	c 31	N70-36845* #	US-PATENT-APPL-SN-390251	c 07	N71-23026* #
US-PATENT-APPL-SN-357340	c 23	N71-15673* #	US-PATENT-APPL-SN-372730	c 28	N71-28850* #	US-PATENT-APPL-SN-390466	c 24	N75-13032* #
US-PATENT-APPL-SN-358088	c 72	N82-24953* #	US-PATENT-APPL-SN-373587	c 33	N74-32711* #	US-PATENT-APPL-SN-390468	c 36	N75-19652* #
US-PATENT-APPL-SN-358089	c 35	N82-24475* #	US-PATENT-APPL-SN-373588	c 33	N75-19515* #	US-PATENT-APPL-SN-391343	c 05	N69-21473* #
US-PATENT-APPL-SN-358127	c 05	N71-12335* #	US-PATENT-APPL-SN-373591	c 31	N71-15692* #	US-PATENT-APPL-SN-39185	c 16	N72-25485* #
US-PATENT-APPL-SN-358398	c 26	N82-22347* #	US-PATENT-APPL-SN-373770	c 35	N82-26636* #	US-PATENT-APPL-SN-392092	c 27	N82-28444* #
US-PATENT-APPL-SN-359039	c 32	N74-30523* #	US-PATENT-APPL-SN-373771	c 35	N82-26635* #	US-PATENT-APPL-SN-392093	c 33	N82-28549* #
US-PATENT-APPL-SN-359156	c 14	N75-24794* #	US-PATENT-APPL-SN-374421	c 27	N76-24405* #	US-PATENT-APPL-SN-392094	c 37	N82-28640* #
US-PATENT-APPL-SN-359157	c 35	N74-18090* #	US-PATENT-APPL-SN-374422	c 32	N75-24982* #	US-PATENT-APPL-SN-392095	c 18	N82-33419* #
US-PATENT-APPL-SN-359382	c 32	N82-28502* #	US-PATENT-APPL-SN-374423	c 36	N75-31427* #	US-PATENT-APPL-SN-392096	c 05	N82-33372* #
US-PATENT-APPL-SN-359388	c 44	N83-32177* #	US-PATENT-APPL-SN-374424	c 74	N75-12732* #	US-PATENT-APPL-SN-392103	c 44	N82-28765* #
US-PATENT-APPL-SN-359532	c 15	N71-28959* #	US-PATENT-APPL-SN-374441	c 35	N75-19616* #	US-PATENT-APPL-SN-392104	c 37	N82-28641* #
US-PATENT-APPL-SN-359626	c 31	N82-26503* #	US-PATENT-APPL-SN-374583	c 33	N74-29556* #	US-PATENT-APPL-SN-392823	c 25	N74-33378* #
US-PATENT-APPL-SN-359627	c 35	N82-26631* #	US-PATENT-APPL-SN-374810	c 27	N80-32514* #	US-PATENT-APPL-SN-392965	c 18	N71-22998* #
US-PATENT-APPL-SN-359957	c 07	N74-32418* #	US-PATENT-APPL-SN-375401	c 17	N71-16025* #	US-PATENT-APPL-SN-392969	c 09	N71-23573* #
US-PATENT-APPL-SN-359958	c 37	N74-26976* #	US-PATENT-APPL-SN-375405	c 31	N71-15675* #	US-PATENT-APPL-SN-392970	c 32	N70-41367* #
US-PATENT-APPL-SN-360180	c 17	N71-16026* #	US-PATENT-APPL-SN-375620	c 32	N82-26523* #	US-PATENT-APPL-SN-392973	c 07	N71-23001* #
US-PATENT-APPL-SN-360182	c 31	N70-36654* #	US-PATENT-APPL-SN-375674	c 28	N70-41582* #	US-PATENT-APPL-SN-392992	c 15	N71-23052* #
US-PATENT								

US-PATENT-APPL-SN-393523	c 12	N75-24774* #	US-PATENT-APPL-SN-409679	c 33	N82-33634* #	US-PATENT-APPL-SN-425365	c 32	N71-21045*
US-PATENT-APPL-SN-393524	c 60	N76-21914* #	US-PATENT-APPL-SN-409680	c 35	N83-13425* #	US-PATENT-APPL-SN-425972	c 03	N71-23006*
US-PATENT-APPL-SN-393525	c 31	N74-32917* #	US-PATENT-APPL-SN-409990	c 35	N75-27330* #	US-PATENT-APPL-SN-426155	c 33	N75-15874* #
US-PATENT-APPL-SN-393526	c 77	N75-20139* #	US-PATENT-APPL-SN-409991	c 33	N75-13139* #	US-PATENT-APPL-SN-426405	c 25	N75-26043* #
US-PATENT-APPL-SN-393527	c 15	N75-13007* #	US-PATENT-APPL-SN-410325	c 18	N71-23088*	US-PATENT-APPL-SN-426455	c 28	N71-15661*
US-PATENT-APPL-SN-393528	c 36	N75-19654* #	US-PATENT-APPL-SN-410326	c 09	N71-21449*	US-PATENT-APPL-SN-426702	c 15	N70-42034* #
US-PATENT-APPL-SN-393581	c 54	N82-32986* #	US-PATENT-APPL-SN-410330	c 26	N71-23043*	US-PATENT-APPL-SN-427395	c 54	N75-27760* #
US-PATENT-APPL-SN-393582	c 37	N82-31689* #	US-PATENT-APPL-SN-410331	c 02	N70-41589* #	US-PATENT-APPL-SN-427775	c 27	N76-22376* #
US-PATENT-APPL-SN-393583	c 27	N83-29392* #	US-PATENT-APPL-SN-410332	c 14	N71-23039*	US-PATENT-APPL-SN-427990	c 06	N71-23527*
US-PATENT-APPL-SN-393584	c 37	N82-31688* #	US-PATENT-APPL-SN-411572	c 35	N75-15932* #	US-PATENT-APPL-SN-428444	c 44	N76-18642* #
US-PATENT-APPL-SN-393585	c 37	N82-31690* #	US-PATENT-APPL-SN-411767	c 74	N83-30222* #	US-PATENT-APPL-SN-428444	c 44	N76-29704* #
US-PATENT-APPL-SN-393586	c 54	N82-32985* #	US-PATENT-APPL-SN-411896	c 76	N83-18533* #	US-PATENT-APPL-SN-428882	c 33	N71-29051*
US-PATENT-APPL-SN-393588	c 44	N82-31769* #	US-PATENT-APPL-SN-411944	c 15	N70-41629* #	US-PATENT-APPL-SN-428887	c 02	N70-41630* #
US-PATENT-APPL-SN-394149	c 35	N75-25123* #	US-PATENT-APPL-SN-411945	c 18	N71-23047*	US-PATENT-APPL-SN-428890	c 34	N77-18382* #
US-PATENT-APPL-SN-394206	c 76	N75-25730* #	US-PATENT-APPL-SN-411949	c 27	N71-15635*	US-PATENT-APPL-SN-428992	c 45	N75-27585* #
US-PATENT-APPL-SN-394207	c 25	N78-27226* #	US-PATENT-APPL-SN-412039	c 06	N83-17536* #	US-PATENT-APPL-SN-428993	c 32	N75-21486* #
US-PATENT-APPL-SN-394260	c 54	N82-29002* #	US-PATENT-APPL-SN-412079	c 37	N75-13266* #	US-PATENT-APPL-SN-428994	c 32	N76-16249* #
US-PATENT-APPL-SN-394343	c 52	N82-32971* #	US-PATENT-APPL-SN-412080	c 36	N75-19653* #	US-PATENT-APPL-SN-428995	c 51	N75-25503* #
US-PATENT-APPL-SN-394344	c 44	N82-32843* #	US-PATENT-APPL-SN-412379	c 32	N77-10392* #	US-PATENT-APPL-SN-429437	c 35	N75-23910* #
US-PATENT-APPL-SN-394345	c 27	N82-32490* #	US-PATENT-APPL-SN-41345	c 09	N72-29172* #	US-PATENT-APPL-SN-429932	c 05	N71-20268*
US-PATENT-APPL-SN-394638	c 28	N70-34162* #	US-PATENT-APPL-SN-41346	c 15	N72-24522* #	US-PATENT-APPL-SN-430192	c 18	N71-27170*
US-PATENT-APPL-SN-394898	c 07	N77-28118* #	US-PATENT-APPL-SN-41347	c 09	N72-25256* #	US-PATENT-APPL-SN-430226	c 18	N71-23558*
US-PATENT-APPL-SN-395348	c 15	N71-22713*	US-PATENT-APPL-SN-41348	c 09	N72-23173*	US-PATENT-APPL-SN-430496	c 26	N75-29236* #
US-PATENT-APPL-SN-395493	c 37	N79-13364* #	US-PATENT-APPL-SN-413661	c 15	N71-23024*	US-PATENT-APPL-SN-430748	c 76	N79-21910* #
US-PATENT-APPL-SN-395495	c 54	N75-27759* #	US-PATENT-APPL-SN-413662	c 09	N70-41929* #	US-PATENT-APPL-SN-430776	c 03	N70-41954* #
US-PATENT-APPL-SN-395687	c 37	N75-18573* #	US-PATENT-APPL-SN-414042	c 35	N79-17192* #	US-PATENT-APPL-SN-430777	c 18	N71-24184*
US-PATENT-APPL-SN-395868	c 33	N75-19516* #	US-PATENT-APPL-SN-414043	c 27	N76-32315* #	US-PATENT-APPL-SN-430778	c 03	N71-10728* #
US-PATENT-APPL-SN-395895	c 36	N78-17366* #	US-PATENT-APPL-SN-414106	c 03	N73-20039* #	US-PATENT-APPL-SN-430780	c 03	N71-12260* #
US-PATENT-APPL-SN-396443	c 15	N71-15986*	US-PATENT-APPL-SN-414107	c 54	N83-18254* #	US-PATENT-APPL-SN-431235	c 15	N71-16052*
US-PATENT-APPL-SN-396444	c 10	N71-20782*	US-PATENT-APPL-SN-414237	c 35	N83-12397* #	US-PATENT-APPL-SN-431421	c 37	N83-12434* #
US-PATENT-APPL-SN-397281	c 76	N83-34796* #	US-PATENT-APPL-SN-41430	c 71	N83-12969* #	US-PATENT-APPL-SN-431448	c 27	N83-17714* #
US-PATENT-APPL-SN-397476	c 34	N75-12222* #	US-PATENT-APPL-SN-41431	c 10	N72-20221* #	US-PATENT-APPL-SN-431886	c 18	N83-12138* #
US-PATENT-APPL-SN-397477	c 33	N75-19517* #	US-PATENT-APPL-SN-41432	c 37	N77-27400* #	US-PATENT-APPL-SN-432025	c 15	N71-21531*
US-PATENT-APPL-SN-397478	c 52	N75-33640* #	US-PATENT-APPL-SN-414482	c 10	N71-10578* #	US-PATENT-APPL-SN-432026	c 07	N71-23405*
US-PATENT-APPL-SN-39755	c 08	N72-21198* #	US-PATENT-APPL-SN-41455	c 02	N70-33255*	US-PATENT-APPL-SN-432027	c 21	N70-41930* #
US-PATENT-APPL-SN-397665	c 10	N70-41991* #	US-PATENT-APPL-SN-415878	c 37	N75-19683* #	US-PATENT-APPL-SN-432028	c 15	N71-22723*
US-PATENT-APPL-SN-398131	c 05	N70-41297* #	US-PATENT-APPL-SN-415879	c 08	N83-12098* #	US-PATENT-APPL-SN-432030	c 12	N71-20896*
US-PATENT-APPL-SN-398132	c 15	N70-41808* #	US-PATENT-APPL-SN-415880	c 73	N83-12986* #	US-PATENT-APPL-SN-432032	c 15	N69-24322* #
US-PATENT-APPL-SN-398885	c 27	N76-15310* #	US-PATENT-APPL-SN-415959	c 27	N83-12239* #	US-PATENT-APPL-SN-432057	c 33	N83-29592* #
US-PATENT-APPL-SN-398886	c 07	N75-24736* #	US-PATENT-APPL-SN-415960	c 35	N83-13424* #	US-PATENT-APPL-SN-432433	c 15	N71-22705*
US-PATENT-APPL-SN-398901	c 37	N75-25186* #	US-PATENT-APPL-SN-416135	c 37	N83-13460* #	US-PATENT-APPL-SN-433196	c 44	N83-18025* #
US-PATENT-APPL-SN-399074	c 33	N83-13360* #	US-PATENT-APPL-SN-416443	c 32	N75-15854* #	US-PATENT-APPL-SN-43327	c 15	N72-26371* #
US-PATENT-APPL-SN-399419	c 21	N71-23289*	US-PATENT-APPL-SN-416938	c 74	N83-12992* #	US-PATENT-APPL-SN-433598	c 23	N83-17059* #
US-PATENT-APPL-SN-400467	c 33	N75-30431* #	US-PATENT-APPL-SN-416940	c 11	N71-10746*	US-PATENT-APPL-SN-433821	c 09	N71-16089*
US-PATENT-APPL-SN-400613	c 15	N71-21528*	US-PATENT-APPL-SN-416941	c 31	N70-34159* #	US-PATENT-APPL-SN-433968	c 33	N75-25041* #
US-PATENT-APPL-SN-400617	c 31	N71-17629*	US-PATENT-APPL-SN-416945	c 14	N71-23269*	US-PATENT-APPL-SN-434084	c 33	N83-17802* #
US-PATENT-APPL-SN-400857	c 31	N79-21225* #	US-PATENT-APPL-SN-416946	c 10	N71-23543*	US-PATENT-APPL-SN-434085	c 33	N83-12333* #
US-PATENT-APPL-SN-401224	c 38	N78-17396* #	US-PATENT-APPL-SN-417253	c 28	N71-15563*	US-PATENT-APPL-SN-434087	c 27	N83-17715* #
US-PATENT-APPL-SN-401225	c 38	N78-17395* #	US-PATENT-APPL-SN-418137	c 11	N71-23042*	US-PATENT-APPL-SN-434148	c 15	N71-15871*
US-PATENT-APPL-SN-401282	c 16	N82-31398* #	US-PATENT-APPL-SN-418138	c 24	N83-17601* #	US-PATENT-APPL-SN-434672	c 31	N71-24750*
US-PATENT-APPL-SN-401283	c 33	N82-30472* #	US-PATENT-APPL-SN-418139	c 16	N83-13149* #	US-PATENT-APPL-SN-434674	c 34	N83-35307* #
US-PATENT-APPL-SN-401288	c 37	N83-29708* #	US-PATENT-APPL-SN-418362	c 24	N83-12176* #	US-PATENT-APPL-SN-435387	c 10	N70-42032* #
US-PATENT-APPL-SN-401466	c 09	N75-24758* #	US-PATENT-APPL-SN-418931	c 17	N71-20741*	US-PATENT-APPL-SN-435511	c 14	N71-30026*
US-PATENT-APPL-SN-401919	c 24	N76-24363* #	US-PATENT-APPL-SN-418933	c 05	N70-42000* #	US-PATENT-APPL-SN-435516	c 24	N83-17602* #
US-PATENT-APPL-SN-401920	c 37	N75-25185* #	US-PATENT-APPL-SN-419319	c 15	N71-23022*	US-PATENT-APPL-SN-436313	c 12	N71-16894*
US-PATENT-APPL-SN-401921	c 24	N76-14203* #	US-PATENT-APPL-SN-419747	c 34	N76-17317* #	US-PATENT-APPL-SN-436315	c 54	N77-32721* #
US-PATENT-APPL-SN-402205	c 33	N83-24769* #	US-PATENT-APPL-SN-419748	c 17	N76-12550* #	US-PATENT-APPL-SN-436316	c 26	N75-19408* #
US-PATENT-APPL-SN-402365	c 31	N71-17730*	US-PATENT-APPL-SN-419831	c 35	N75-21582* #	US-PATENT-APPL-SN-436317	c 20	N76-14191* #
US-PATENT-APPL-SN-402865	c 33	N74-32660* #	US-PATENT-APPL-SN-419831	c 35	N77-17426* #	US-PATENT-APPL-SN-437556	c 37	N76-24575* #
US-PATENT-APPL-SN-402867	c 35	N75-33367* #	US-PATENT-APPL-SN-42022	c 15	N70-35409* #	US-PATENT-APPL-SN-437611	c 27	N76-16230* #
US-PATENT-APPL-SN-402868	c 35	N75-19612* #	US-PATENT-APPL-SN-420245	c 15	N71-22749*	US-PATENT-APPL-SN-437912	c 09	N71-22796*
US-PATENT-APPL-SN-402978	c 10	N71-23084*	US-PATENT-APPL-SN-420250	c 08	N71-23051*	US-PATENT-APPL-SN-437913	c 33	N83-12335* #
US-PATENT-APPL-SN-403154	c 37	N77-22480* #	US-PATENT-APPL-SN-420424	c 15	N75-26282* #	US-PATENT-APPL-SN-437914	c 33	N83-12332* #
US-PATENT-APPL-SN-403371	c 27	N82-33523* #	US-PATENT-APPL-SN-420466	c 14	N71-23092*	US-PATENT-APPL-SN-437917	c 64	N83-12932* #
US-PATENT-APPL-SN-403378	c 54	N75-12616* #	US-PATENT-APPL-SN-420813	c 36	N75-32441* #	US-PATENT-APPL-SN-438135	c 09	N71-23027*
US-PATENT-APPL-SN-403694	c 35	N77-20399*	US-PATENT-APPL-SN-421702	c 34	N78-17336* #	US-PATENT-APPL-SN-438147	c 75	N76-14931* #
US-PATENT-APPL-SN-403695	c 31	N83-35176* #	US-PATENT-APPL-SN-421702	c 44	N76-23675* #	US-PATENT-APPL-SN-438446	c 37	N83-17882* #
US-PATENT-APPL-SN-403847	c 32	N82-33593* #	US-PATENT-APPL-SN-422092	c 44	N71-22989*	US-PATENT-APPL-SN-438797	c 14	N71-10500* #
US-PATENT-APPL-SN-403848	c 35	N82-33681* #	US-PATENT-APPL-SN-422095	c 07	N71-10676* #	US-PATENT-APPL-SN-438883	c 18	N73-30532* #
US-PATENT-APPL-SN-403849	c 14	N70-41994*	US-PATENT-APPL-SN-422096	c 03	N71-29044*	US-PATENT-APPL-SN-439489	c 15	N72-25457* #
US-PATENT-APPL-SN-403960	c 14	N70-41366* #	US-PATENT-APPL-SN-422097	c 11	N71-21481*	US-PATENT-APPL-SN-439490	c 09	N70-41717* #
US-PATENT-APPL-SN-404212	c 14	N73-32324* #	US-PATENT-APPL-SN-422098	c 15	N71-22797*	US-PATENT-APPL-SN-440033	c 23	N69-24332* #
US-PATENT-APPL-SN-404809	c 27	N83-13258* #	US-PATENT-APPL-SN-422099	c 14	N71-22964*	US-PATENT-APPL-SN-440036	c 27	N70-41897*
US-PATENT-APPL-SN-405341	c 37	N76-15460* #	US-PATENT-APPL-SN-422864	c 05	N69-21925* #	US-PATENT-APPL-SN-440039	c 09	N71-23097*
US-PATENT-APPL-SN-405342	c 35	N75-19615* #	US-PATENT-APPL-SN-422865	c 31	N70-41631* #	US-PATENT-APPL-SN-440656	c 09	N71-22888*
US-PATENT-APPL-SN-405346	c 37	N75-30562* #	US-PATENT-APPL-SN-422867	c 15	N70-40662* #	US-PATENT-APPL-SN-440916	c 27	N83-14275* #
US-PATENT-APPL-SN-405629	c 09	N71-10677*	US-PATENT-APPL-SN-422868	c 15	N71-10617* #	US-PATENT-APPL-SN-440917	c 33	N75-27525* #
US-PATENT-APPL-SN-405630	c 14	N71-10616* #	US-PATENT-APPL-SN-422869	c 14	N71-10779* #	US-PATENT-APPL-SN-441279	c 37	N76-18459* #
US-PATENT-APPL-SN-405632	c 21	N71-15582*	US-PATENT-APPL-SN-423016	c 36	N83-33137* #	US-PATENT-APPL-SN-441897	c 35	N75-29382* #
US-PATENT-APPL-SN-406097	c 14	N71-21088*	US-PATENT-APPL-SN-423412	c 08	N71-22897*	US-PATENT-APPL-SN-441898	c 43	N83-14807* #
US-PATENT-APPL-SN-406296	c 25	N79-10163* #	US-PATENT-APPL-SN-424013	c 34	N76-27517* #	US-PATENT-APPL-SN-441899	c 36	N83-20092* #
US-PATENT-APPL-SN-406715	c 35	N75-15014* #	US-PATENT-APPL-SN-424038	c 24	N75-30260* #	US-PATENT-APPL-SN-441938	c 27	N83-14276* #
US-PATENT-APPL-SN-406820	c 74	N83-13982* #	US-PATENT-APPL-SN-424153	c 15	N71-21234*	US-PATENT-APPL-SN-442558	c 14	N69-39975* #
US-PATENT-APPL-SN-407240	c 32	N75-21485* #	US-PATENT-APPL-SN-424156	c 02	N71-23007*	US-PATENT-APPL-SN-442815	c 15	N71-10799* #
US-PATENT-APPL-SN-407323	c 28	N70-41992* #	US-PATENT-APPL-SN-424506	c 28	N70-41275* #	US-PATENT-APPL-SN-442835	c 76	N83-15149* #
US-PATENT-APPL-SN-407599	c 14	N71-21091*	US-PATENT-APPL-SN-425096	c 05	N71-23080*	US-PATENT-APPL-SN-444067	c 26	N71-29156*
US-PATENT-APPL-SN-407603	c 05	N71-11199* #	US-PATENT-APPL-SN-425202	c 74	N83-12991* #	US-PATENT-APPL-SN-444124	c 02	N71-11041* #
US-PATENT-APPL-SN-408266	c 25	N83-19826* #	US-PATENT-APPL-SN-425203	c 31	N83-17745* #	US-PATENT-APPL-SN-444125	c 52	N83-20539* #
US-PATENT-APPL-SN-408435	c 15	N71-28937*	US-PATENT-APPL-SN-425204	c 32	N83-12308* #	US-PATENT-APPL-SN-444149	c 20	N83-17588* #
US-PATENT-APPL-SN-408438	c 07	N71-22750*	US-PATENT-APPL-SN-425362	c 35	N83-17856* #	US-PATENT-APPL-SN-445178	c 47	N83-14863* #
US-PATENT								

REPORT NUMBER INDEX

US-PATENT-APPL-SN-500981

US-PATENT-APPL-SN-445398	c 74	N78-15880* #	US-PATENT-APPL-SN-462844	c 33	N75-19520* #	US-PATENT-APPL-SN-482313	c 11	N69-24321* #
US-PATENT-APPL-SN-445807	c 14	N71-22996* #	US-PATENT-APPL-SN-462903	c 37	N76-14461* #	US-PATENT-APPL-SN-482670	c 14	N71-21007* #
US-PATENT-APPL-SN-446071	c 25	N82-29370* #	US-PATENT-APPL-SN-463440	c 44	N83-29805* #	US-PATENT-APPL-SN-482952	c 09	N71-28926* #
US-PATENT-APPL-SN-446131	c 14	N71-22992* #	US-PATENT-APPL-SN-463456	c 39	N83-20284* #	US-PATENT-APPL-SN-482953	c 74	N76-18913* #
US-PATENT-APPL-SN-446560	c 12	N76-15189* #	US-PATENT-APPL-SN-463925	c 74	N76-30053* #	US-PATENT-APPL-SN-482967	c 34	N76-18364* #
US-PATENT-APPL-SN-446562	c 36	N76-14447* #	US-PATENT-APPL-SN-464720	c 32	N76-16249* #	US-PATENT-APPL-SN-483301	c 36	N77-26477* #
US-PATENT-APPL-SN-446564	c 35	N75-26334* #	US-PATENT-APPL-SN-464721	c 37	N75-26372* #	US-PATENT-APPL-SN-483817	c 27	N79-21190* #
US-PATENT-APPL-SN-446567	c 34	N76-27515* #	US-PATENT-APPL-SN-464722	c 35	N76-22509* #	US-PATENT-APPL-SN-483850	c 37	N76-14460* #
US-PATENT-APPL-SN-446568	c 37	N76-23570* #	US-PATENT-APPL-SN-464723	c 33	N75-30429* #	US-PATENT-APPL-SN-483851	c 35	N76-15435* #
US-PATENT-APPL-SN-446569	c 77	N75-20140* #	US-PATENT-APPL-SN-464878	c 10	N71-22986* #	US-PATENT-APPL-SN-483852	c 33	N75-30430* #
US-PATENT-APPL-SN-447124	c 35	N75-30503* #	US-PATENT-APPL-SN-464879	c 14	N71-21072* #	US-PATENT-APPL-SN-483857	c 44	N76-14601* #
US-PATENT-APPL-SN-447927	c 11	N71-10776* #	US-PATENT-APPL-SN-464880	c 33	N71-21588* #	US-PATENT-APPL-SN-483858	c 35	N76-18400* #
US-PATENT-APPL-SN-447928	c 15	N71-10577* #	US-PATENT-APPL-SN-464885	c 15	N71-22997* #	US-PATENT-APPL-SN-483885	c 04	N71-23185* #
US-PATENT-APPL-SN-447930	c 14	N69-39896* #	US-PATENT-APPL-SN-465364	c 44	N83-20374* #	US-PATENT-APPL-SN-483886	c 09	N71-22988* #
US-PATENT-APPL-SN-447933	c 03	N69-21337* #	US-PATENT-APPL-SN-465365	c 43	N83-20324* #	US-PATENT-APPL-SN-483891	c 14	N69-39982* #
US-PATENT-APPL-SN-448320	c 91	N76-30131* #	US-PATENT-APPL-SN-465366	c 27	N83-19903* #	US-PATENT-APPL-SN-484156	c 11	N71-21475* #
US-PATENT-APPL-SN-448321	c 27	N78-32261* #	US-PATENT-APPL-SN-465367	c 27	N83-19904* #	US-PATENT-APPL-SN-484208	c 35	N75-30502* #
US-PATENT-APPL-SN-448323	c 18	N76-17185* #	US-PATENT-APPL-SN-465369	c 76	N83-21993* #	US-PATENT-APPL-SN-484209	c 35	N76-18403* #
US-PATENT-APPL-SN-448325	c 33	N75-26244* #	US-PATENT-APPL-SN-465370	c 52	N83-29991* #	US-PATENT-APPL-SN-484485	c 01	N71-23497* #
US-PATENT-APPL-SN-448365	c 10	N71-26414* #	US-PATENT-APPL-SN-466390	c 28	N71-20330* #	US-PATENT-APPL-SN-484489	c 10	N71-15909* #
US-PATENT-APPL-SN-448441	c 32	N83-19969* #	US-PATENT-APPL-SN-466668	c 22	N71-23599* #	US-PATENT-APPL-SN-484490	c 24	N71-20518* #
US-PATENT-APPL-SN-448898	c 15	N70-41310* #	US-PATENT-APPL-SN-466873	c 17	N71-20743* #	US-PATENT-APPL-SN-484745	c 74	N83-25539* #
US-PATENT-APPL-SN-449118	c 33	N75-19524* #	US-PATENT-APPL-SN-466875	c 08	N71-22707* #	US-PATENT-APPL-SN-484855	c 09	N71-19480* #
US-PATENT-APPL-SN-449153	c 54	N75-27761* #	US-PATENT-APPL-SN-467820	c 28	N71-26779* #	US-PATENT-APPL-SN-485058	c 06	N71-23500* #
US-PATENT-APPL-SN-449901	c 28	N70-41967* #	US-PATENT-APPL-SN-468614	c 60	N77-14751* #	US-PATENT-APPL-SN-485656	c 28	N71-10574* #
US-PATENT-APPL-SN-449902	c 14	N70-41681* #	US-PATENT-APPL-SN-468614	c 60	N77-32731* #	US-PATENT-APPL-SN-485957	c 25	N71-21694* #
US-PATENT-APPL-SN-450168	c 33	N83-17804* #	US-PATENT-APPL-SN-468614	c 60	N78-10709* #	US-PATENT-APPL-SN-485958	c 15	N71-24047* #
US-PATENT-APPL-SN-450319	c 33	N83-17803* #	US-PATENT-APPL-SN-468647	c 21	N71-10771* #	US-PATENT-APPL-SN-485960	c 15	N70-42017* #
US-PATENT-APPL-SN-450500	c 37	N76-18455* #	US-PATENT-APPL-SN-468655	c 15	N69-21471* #	US-PATENT-APPL-SN-48621	c 20	N78-32179* #
US-PATENT-APPL-SN-450502	c 37	N76-18456* #	US-PATENT-APPL-SN-469011	c 11	N69-21540* #	US-PATENT-APPL-SN-486470	c 44	N83-26258* #
US-PATENT-APPL-SN-450504	c 23	N77-17161* #	US-PATENT-APPL-SN-469012	c 25	N71-20747* #	US-PATENT-APPL-SN-486471	c 33	N83-25983* #
US-PATENT-APPL-SN-450505	c 37	N75-31446* #	US-PATENT-APPL-SN-469013	c 14	N69-27423* #	US-PATENT-APPL-SN-486573	c 10	N71-19469* #
US-PATENT-APPL-SN-450503	c 33	N75-31330* #	US-PATENT-APPL-SN-469864	c 37	N83-20157* #	US-PATENT-APPL-SN-486884	c 15	N73-32362* #
US-PATENT-APPL-SN-451596	c 17	N71-29137* #	US-PATENT-APPL-SN-469865	c 37	N83-20156* #	US-PATENT-APPL-SN-487156	c 44	N77-10636* #
US-PATENT-APPL-SN-451896	c 26	N83-19890* #	US-PATENT-APPL-SN-469866	c 27	N83-21143* #	US-PATENT-APPL-SN-487341	c 14	N71-19431* #
US-PATENT-APPL-SN-452464	c 24	N83-17603* #	US-PATENT-APPL-SN-469867	c 05	N83-29197* #	US-PATENT-APPL-SN-487342	c 09	N71-21583* #
US-PATENT-APPL-SN-452465	c 25	N83-17628* #	US-PATENT-APPL-SN-470113	c 17	N83-20995* #	US-PATENT-APPL-SN-487343	c 03	N69-39890* #
US-PATENT-APPL-SN-452466	c 03	N83-17525* #	US-PATENT-APPL-SN-470114	c 25	N83-24572* #	US-PATENT-APPL-SN-487344	c 15	N69-21472* #
US-PATENT-APPL-SN-452761	c 33	N75-19522* #	US-PATENT-APPL-SN-470428	c 33	N76-16332* #	US-PATENT-APPL-SN-487352	c 14	N71-18699* #
US-PATENT-APPL-SN-452767	c 05	N75-25915* #	US-PATENT-APPL-SN-470429	c 33	N75-31329* #	US-PATENT-APPL-SN-487852	c 23	N76-15268* #
US-PATENT-APPL-SN-452768	c 52	N76-30793* #	US-PATENT-APPL-SN-47061	c 26	N72-25680* #	US-PATENT-APPL-SN-487929	c 33	N74-20859* #
US-PATENT-APPL-SN-452769	c 44	N76-16612* #	US-PATENT-APPL-SN-47062	c 15	N72-17451* #	US-PATENT-APPL-SN-487934	c 15	N71-21530* #
US-PATENT-APPL-SN-452770	c 33	N75-31332* #	US-PATENT-APPL-SN-47063	c 33	N72-25911* #	US-PATENT-APPL-SN-487939	c 14	N71-23040* #
US-PATENT-APPL-SN-452944	c 18	N71-24183* #	US-PATENT-APPL-SN-47063	c 33	N73-25952* #	US-PATENT-APPL-SN-487940	c 10	N71-26434* #
US-PATENT-APPL-SN-452945	c 18	N69-39979* #	US-PATENT-APPL-SN-470902	c 06	N71-28808* #	US-PATENT-APPL-SN-488381	c 14	N73-32321* #
US-PATENT-APPL-SN-453115	c 32	N76-14321* #	US-PATENT-APPL-SN-471154	c 09	N73-28084* #	US-PATENT-APPL-SN-488616	c 07	N76-18117* #
US-PATENT-APPL-SN-453225	c 15	N71-24833* #	US-PATENT-APPL-SN-47120	c 31	N70-33242* #	US-PATENT-APPL-SN-488745	c 26	N75-27127* #
US-PATENT-APPL-SN-453227	c 31	N71-10582* #	US-PATENT-APPL-SN-47121	c 09	N70-39915* #	US-PATENT-APPL-SN-489008	c 23	N75-30256* #
US-PATENT-APPL-SN-453229	c 17	N71-23828* #	US-PATENT-APPL-SN-47122	c 14	N70-34813* #	US-PATENT-APPL-SN-489009	c 33	N76-19339* #
US-PATENT-APPL-SN-453231	c 23	N71-15467* #	US-PATENT-APPL-SN-47123	c 15	N70-34817* #	US-PATENT-APPL-SN-489442	c 25	N69-39884* #
US-PATENT-APPL-SN-453232	c 15	N71-21311* #	US-PATENT-APPL-SN-472066	c 31	N70-42075* #	US-PATENT-APPL-SN-489675	c 02	N83-25663* #
US-PATENT-APPL-SN-453232	c 18	N75-19329* #	US-PATENT-APPL-SN-472372	c 07	N71-20791* #	US-PATENT-APPL-SN-489902	c 37	N83-26080* #
US-PATENT-APPL-SN-453241	c 33	N75-29318* #	US-PATENT-APPL-SN-472643	c 33	N79-21265* #	US-PATENT-APPL-SN-491054	c 14	N71-23174* #
US-PATENT-APPL-SN-455163	c 32	N75-26195* #	US-PATENT-APPL-SN-472747	c 31	N71-16081* #	US-PATENT-APPL-SN-491058	c 09	N71-23443* #
US-PATENT-APPL-SN-455165	c 36	N75-30524* #	US-PATENT-APPL-SN-472775	c 35	N75-33369* #	US-PATENT-APPL-SN-491059	c 09	N71-23015* #
US-PATENT-APPL-SN-45519	c 14	N72-25410* #	US-PATENT-APPL-SN-473498	c 72	N83-21903* #	US-PATENT-APPL-SN-491113	c 37	N83-29707* #
US-PATENT-APPL-SN-455332	c 33	N71-20834* #	US-PATENT-APPL-SN-473499	c 74	N83-21950* #	US-PATENT-APPL-SN-491125	c 27	N83-25884* #
US-PATENT-APPL-SN-455477	c 08	N71-19687* #	US-PATENT-APPL-SN-473535	c 31	N71-15637* #	US-PATENT-APPL-SN-491416	c 35	N73-33368* #
US-PATENT-APPL-SN-45549	c 27	N76-16228* #	US-PATENT-APPL-SN-473537	c 08	N71-15908* #	US-PATENT-APPL-SN-491417	c 37	N76-19437* #
US-PATENT-APPL-SN-456460	c 26	N83-17683* #	US-PATENT-APPL-SN-473827	c 35	N83-21316* #	US-PATENT-APPL-SN-491418	c 31	N76-31365* #
US-PATENT-APPL-SN-456578	c 07	N70-41678* #	US-PATENT-APPL-SN-473973	c 02	N77-10001* #	US-PATENT-APPL-SN-491419	c 32	N76-15330* #
US-PATENT-APPL-SN-456581	c 09	N71-23021* #	US-PATENT-APPL-SN-47440	c 07	N73-20174* #	US-PATENT-APPL-SN-491845	c 28	N71-15659* #
US-PATENT-APPL-SN-456874	c 06	N71-23499* #	US-PATENT-APPL-SN-47441	c 09	N70-34559* #	US-PATENT-APPL-SN-492282	c 27	N83-29391* #
US-PATENT-APPL-SN-456907	c 72	N83-18423* #	US-PATENT-APPL-SN-47443	c 09	N72-17152* #	US-PATENT-APPL-SN-492344	c 05	N71-22896* #
US-PATENT-APPL-SN-456915	c 02	N83-19715* #	US-PATENT-APPL-SN-474531	c 31	N71-23009* #	US-PATENT-APPL-SN-492522	c 33	N83-25984* #
US-PATENT-APPL-SN-456929	c 37	N83-17883* #	US-PATENT-APPL-SN-474744	c 35	N76-14431* #	US-PATENT-APPL-SN-492963	c 25	N83-25811* #
US-PATENT-APPL-SN-457295	c 20	N75-24837* #	US-PATENT-APPL-SN-474745	c 37	N76-14463* #	US-PATENT-APPL-SN-493179	c 44	N83-29806* #
US-PATENT-APPL-SN-457874	c 09	N71-23545* #	US-PATENT-APPL-SN-474815	c 33	N79-21264* #	US-PATENT-APPL-SN-493359	c 20	N76-21275* #
US-PATENT-APPL-SN-457875	c 31	N70-42015* #	US-PATENT-APPL-SN-475299	c 31	N71-17679* #	US-PATENT-APPL-SN-493363	c 33	N76-21390* #
US-PATENT-APPL-SN-457876	c 02	N71-12243* #	US-PATENT-APPL-SN-475336	c 54	N75-27758* #	US-PATENT-APPL-SN-493864	c 23	N83-28076* #
US-PATENT-APPL-SN-457879	c 15	N71-21078* #	US-PATENT-APPL-SN-475337	c 51	N76-29891* #	US-PATENT-APPL-SN-493865	c 24	N83-25791* #
US-PATENT-APPL-SN-457990	c 37	N83-20155* #	US-PATENT-APPL-SN-475338	c 35	N76-15431* #	US-PATENT-APPL-SN-493866	c 71	N83-26646* #
US-PATENT-APPL-SN-457991	c 32	N83-19970* #	US-PATENT-APPL-SN-476244	c 33	N83-29593* #	US-PATENT-APPL-SN-493942	c 14	N71-17659* #
US-PATENT-APPL-SN-457992	c 35	N83-20084* #	US-PATENT-APPL-SN-476759	c 03	N70-42073* #	US-PATENT-APPL-SN-493943	c 15	N71-21529* #
US-PATENT-APPL-SN-458484	c 44	N76-14595* #	US-PATENT-APPL-SN-476761	c 11	N71-10748* #	US-PATENT-APPL-SN-494280	c 28	N71-23081* #
US-PATENT-APPL-SN-459138	c 14	N71-10773* #	US-PATENT-APPL-SN-476763	c 09	N69-21313* #	US-PATENT-APPL-SN-494282	c 15	N69-39735* #
US-PATENT-APPL-SN-459407	c 14	N73-30391* #	US-PATENT-APPL-SN-477333	c 28	N70-41922* #	US-PATENT-APPL-SN-494283	c 31	N71-24035* #
US-PATENT-APPL-SN-459736	c 33	N75-26245* #	US-PATENT-APPL-SN-478129	c 25	N83-29325* #	US-PATENT-APPL-SN-494287	c 03	N71-22874* #
US-PATENT-APPL-SN-459842	c 35	N83-20083* #	US-PATENT-APPL-SN-478130	c 74	N83-25541* #	US-PATENT-APPL-SN-494739	c 07	N71-26291* #
US-PATENT-APPL-SN-460511	c 33	N83-21238* #	US-PATENT-APPL-SN-478131	c 26	N83-24639* #	US-PATENT-APPL-SN-495021	c 44	N78-13526* #
US-PATENT-APPL-SN-460733	c 37	N83-20154* #	US-PATENT-APPL-SN-478491	c 14	N69-21363* #	US-PATENT-APPL-SN-495022	c 60	N77-12721* #
US-PATENT-APPL-SN-460876	c 09	N69-21470* #	US-PATENT-APPL-SN-478800	c 37	N76-19436* #	US-PATENT-APPL-SN-495380	c 37	N83-29706* #
US-PATENT-APPL-SN-460877	c 33	N71-23085* #	US-PATENT-APPL-SN-478802	c 06	N74-27872* #	US-PATENT-APPL-SN-495381	c 24	N83-28095* #
US-PATENT-APPL-SN-461073	c 33	N75-26246* #	US-PATENT-APPL-SN-478802	c 35	N75-29381* #	US-PATENT-APPL-SN-496205	c 14	N71-22965* #
US-PATENT-APPL-SN-461477	c 37	N75-19686* #	US-PATENT-APPL-SN-478803	c 31	N76-14284* #	US-PATENT-APPL-SN-496779	c 05	N76-29217* #
US-PATENT-APPL-SN-461714	c 37	N83-20152* #	US-PATENT-APPL-SN-479353	c 15	N71-23256* #	US-PATENT-APPL-SN-498167	c 03	N71-10608* #
US-PATENT-APPL-SN-461724	c 37	N83-20153* #	US-PATENT-APPL-SN-479357	c 36	N77-19416* #	US-PATENT-APPL-SN-498168	c 28	N71-21822* #
US-PATENT-APPL-SN-461765	c 17	N71-23046* #	US-PATENT-APPL-SN-480210	c 11	N71-21474* #	US-PATENT-APPL-SN-499122	c 15	N71-24184* #
US-PATENT-APPL-SN-461788	c 27	N83-29390* #	US-PATENT-APPL-SN-480211	c 14	N71-28135* #	US-PATENT-APPL-SN-500044	c 33	N83-29595* #
US-PATENT-								

US-PATENT-APPL-SN-500982

US-PATENT-APPL-SN-500982 c 75 N76-17951* #
US-PATENT-APPL-SN-501011 c 33 N76-18345* #
US-PATENT-APPL-SN-501012 c 33 N76-14373* #
US-PATENT-APPL-SN-501060 c 17 N83-29302* #
US-PATENT-APPL-SN-50206 c 07 N72-17109* #
US-PATENT-APPL-SN-50207 c 07 N72-20141* #
US-PATENT-APPL-SN-50208 c 14 N73-13418* #
US-PATENT-APPL-SN-502124 c 35 N76-16393* #
US-PATENT-APPL-SN-502135 c 35 N76-15433* #
US-PATENT-APPL-SN-502136 c 35 N75-27331* #
US-PATENT-APPL-SN-502137 c 37 N76-21554* #
US-PATENT-APPL-SN-502138 c 43 N77-10584* #
US-PATENT-APPL-SN-502624 c 76 N83-30269* #
US-PATENT-APPL-SN-502693 c 15 N71-20739* #
US-PATENT-APPL-SN-502701 c 08 N71-23295* #
US-PATENT-APPL-SN-502709 c 31 N71-21881* #
US-PATENT-APPL-SN-502710 c 15 N71-23048* #
US-PATENT-APPL-SN-502729 c 31 N70-41871* #
US-PATENT-APPL-SN-502739 c 09 N71-23311* #
US-PATENT-APPL-SN-502740 c 14 N69-27485* #
US-PATENT-APPL-SN-502743 c 08 N71-19435* #
US-PATENT-APPL-SN-502746 c 03 N69-39898* #
US-PATENT-APPL-SN-502750 c 09 N71-19466* #
US-PATENT-APPL-SN-502753 c 07 N69-39978* #
US-PATENT-APPL-SN-502756 c 03 N71-23336* #
US-PATENT-APPL-SN-50339 c 04 N72-33072* #
US-PATENT-APPL-SN-504225 c 35 N76-16392* #
US-PATENT-APPL-SN-504266 c 31 N71-21064* #
US-PATENT-APPL-SN-504345 c 33 N83-28329* #
US-PATENT-APPL-SN-505320 c 16 N71-18614* #
US-PATENT-APPL-SN-505321 c 10 N71-22962* #
US-PATENT-APPL-SN-505765 c 15 N71-23816* #
US-PATENT-APPL-SN-505819 c 33 N76-16331* #
US-PATENT-APPL-SN-505881 c 09 N76-24280* #
US-PATENT-APPL-SN-506135 c 06 N71-20905* #
US-PATENT-APPL-SN-506137 c 15 N71-23049* #
US-PATENT-APPL-SN-506477 c 33 N83-29590* #
US-PATENT-APPL-SN-506803 c 24 N79-25143* #
US-PATENT-APPL-SN-506804 c 35 N76-18402* #
US-PATENT-APPL-SN-506908 c 09 N71-18843* #
US-PATENT-APPL-SN-507254 c 14 N71-22980* #
US-PATENT-APPL-SN-507257 c 09 N71-19449* #
US-PATENT-APPL-SN-507623 c 33 N83-29591* #
US-PATENT-APPL-SN-507625 c 76 N83-30268* #
US-PATENT-APPL-SN-507626 c 44 N83-29804* #
US-PATENT-APPL-SN-508169 c 18 N71-27397* #
US-PATENT-APPL-SN-508170 c 08 N71-22710* #
US-PATENT-APPL-SN-508371 c 02 N83-29173* #
US-PATENT-APPL-SN-508372 c 43 N83-29783* #
US-PATENT-APPL-SN-508390 c 35 N83-29654* #
US-PATENT-APPL-SN-508601 c 15 N71-22878* #
US-PATENT-APPL-SN-508784 c 76 N76-25049* #
US-PATENT-APPL-SN-508873 c 14 N71-23240* #
US-PATENT-APPL-SN-509460 c 01 N71-13411* #
US-PATENT-APPL-SN-510136 c 31 N83-29446* #
US-PATENT-APPL-SN-510137 c 37 N83-31019* #
US-PATENT-APPL-SN-510150 c 10 N71-26103* #
US-PATENT-APPL-SN-510155 c 06 N71-11235* #
US-PATENT-APPL-SN-510474 c 15 N71-23810* #
US-PATENT-APPL-SN-510475 c 14 N71-23087* #
US-PATENT-APPL-SN-510677 c 44 N77-19571* #
US-PATENT-APPL-SN-511299 c 15 N71-22798* #
US-PATENT-APPL-SN-511334 c 36 N77-32478* #
US-PATENT-APPL-SN-511346 c 15 N77-10113* #
US-PATENT-APPL-SN-511362 c 33 N83-29594* #
US-PATENT-APPL-SN-511363 c 25 N83-36119* #
US-PATENT-APPL-SN-5114 c 06 N72-25150* #
US-PATENT-APPL-SN-511564 c 09 N69-39885* #
US-PATENT-APPL-SN-511567 c 05 N71-12336* #
US-PATENT-APPL-SN-511887 c 35 N76-15436* #
US-PATENT-APPL-SN-511894 c 03 N76-32140* #
US-PATENT-APPL-SN-512352 c 15 N70-33330* #
US-PATENT-APPL-SN-512509 c 26 N75-27125* #
US-PATENT-APPL-SN-512559 c 23 N71-22881* #
US-PATENT-APPL-SN-512561 c 16 N71-25914* #
US-PATENT-APPL-SN-512562 c 16 N71-24074* #
US-PATENT-APPL-SN-512825 c 32 N76-15329* #
US-PATENT-APPL-SN-51317 c 14 N73-30389* #
US-PATENT-APPL-SN-513346 c 07 N79-14095* #
US-PATENT-APPL-SN-513389 c 25 N75-12087* #
US-PATENT-APPL-SN-513576 c 35 N76-29552* #
US-PATENT-APPL-SN-513611 c 24 N76-22309* #
US-PATENT-APPL-SN-513611 c 24 N80-33482* #
US-PATENT-APPL-SN-513612 c 05 N77-17029* #
US-PATENT-APPL-SN-513613 c 27 N78-15276* #
US-PATENT-APPL-SN-513690 c 37 N76-20480* #
US-PATENT-APPL-SN-514407 c 18 N71-22894* #
US-PATENT-APPL-SN-514546 c 74 N76-20958* #
US-PATENT-APPL-SN-51473 c 02 N70-32266* #
US-PATENT-APPL-SN-51477 c 14 N72-25412* #
US-PATENT-APPL-SN-515484 c 14 N71-22993* #
US-PATENT-APPL-SN-516087 c 27 N83-34044* #
US-PATENT-APPL-SN-516150 c 05 N71-19440* #
US-PATENT-APPL-SN-516151 c 15 N70-41679* #
US-PATENT-APPL-SN-516152 c 14 N71-23225* #
US-PATENT-APPL-SN-516153 c 10 N71-28783* #

US-PATENT-APPL-SN-516154 c 09 N69-24330* #
US-PATENT-APPL-SN-516155 c 09 N71-23270* #
US-PATENT-APPL-SN-516158 c 09 N71-19478* #
US-PATENT-APPL-SN-516159 c 14 N70-41812* #
US-PATENT-APPL-SN-516160 c 33 N71-16277* #
US-PATENT-APPL-SN-516162 c 07 N71-28900* #
US-PATENT-APPL-SN-516217 c 27 N83-30651* #
US-PATENT-APPL-SN-516793 c 16 N71-22895* #
US-PATENT-APPL-SN-516794 c 14 N70-42074* #
US-PATENT-APPL-SN-517100 c 28 N70-33241* #
US-PATENT-APPL-SN-517156 c 14 N71-23093* #
US-PATENT-APPL-SN-517157 c 15 N71-22722* #
US-PATENT-APPL-SN-517158 c 14 N71-23401* #
US-PATENT-APPL-SN-517159 c 15 N71-20740* #
US-PATENT-APPL-SN-517858 c 14 N71-21006* #
US-PATENT-APPL-SN-517869 c 15 N71-23050* #
US-PATENT-APPL-SN-517995 c 39 N76-31562* #
US-PATENT-APPL-SN-518487 c 05 N71-11190* #
US-PATENT-APPL-SN-518544 c 44 N76-24696* #
US-PATENT-APPL-SN-518545 c 19 N76-22284* #
US-PATENT-APPL-SN-518546 c 26 N76-18257* #
US-PATENT-APPL-SN-518684 c 44 N76-22657* #
US-PATENT-APPL-SN-518685 c 35 N76-14429* #
US-PATENT-APPL-SN-519160 c 18 N71-20742* #
US-PATENT-APPL-SN-519161 c 05 N71-20718* #
US-PATENT-APPL-SN-519395 c 09 N69-24317* #
US-PATENT-APPL-SN-520838 c 08 N71-18595* #
US-PATENT-APPL-SN-520839 c 10 N71-19472* #
US-PATENT-APPL-SN-521006 c 34 N77-10463* #
US-PATENT-APPL-SN-521601 c 60 N76-14818* #
US-PATENT-APPL-SN-521602 c 37 N76-18454* #
US-PATENT-APPL-SN-521603 c 35 N75-29380* #
US-PATENT-APPL-SN-521620 c 09 N71-10071* #
US-PATENT-APPL-SN-521753 c 15 N70-41960* #
US-PATENT-APPL-SN-521754 c 07 N71-22984* #
US-PATENT-APPL-SN-521755 c 28 N71-28849* #
US-PATENT-APPL-SN-521816 c 35 N77-19385* #
US-PATENT-APPL-SN-521817 c 45 N76-21742* #
US-PATENT-APPL-SN-521994 c 17 N71-23365* #
US-PATENT-APPL-SN-521996 c 15 N69-27871* #
US-PATENT-APPL-SN-521998 c 07 N69-24323* #
US-PATENT-APPL-SN-521999 c 12 N71-20815* #
US-PATENT-APPL-SN-522109 c 07 N76-17056* #
US-PATENT-APPL-SN-522551 c 76 N76-20994* #
US-PATENT-APPL-SN-522552 c 35 N76-16390* #
US-PATENT-APPL-SN-522556 c 35 N76-15432* #
US-PATENT-APPL-SN-522794 c 09 N71-23190* #
US-PATENT-APPL-SN-522795 c 20 N71-16281* #
US-PATENT-APPL-SN-522797 c 54 N76-24900* #
US-PATENT-APPL-SN-522927 c 26 N83-34014* #
US-PATENT-APPL-SN-523511 c 28 N71-20942* #
US-PATENT-APPL-SN-523560 c 35 N83-34273* #
US-PATENT-APPL-SN-523632 c 33 N76-17293* #
US-PATENT-APPL-SN-524746 c 14 N73-28491* #
US-PATENT-APPL-SN-526438 c 25 N76-22323* #
US-PATENT-APPL-SN-526448 c 44 N76-14602* #
US-PATENT-APPL-SN-526449 c 54 N76-14804* #
US-PATENT-APPL-SN-526450 c 35 N77-14409* #
US-PATENT-APPL-SN-526631 c 10 N71-19471* #
US-PATENT-APPL-SN-526664 c 07 N69-24334* #
US-PATENT-APPL-SN-526665 c 14 N69-24331* #
US-PATENT-APPL-SN-526739 c 37 N83-36484* #
US-PATENT-APPL-SN-526740 c 25 N83-36120* #
US-PATENT-APPL-SN-526750 c 71 N83-36847* #
US-PATENT-APPL-SN-526754 c 74 N83-35825* #
US-PATENT-APPL-SN-526768 c 25 N83-36122* #
US-PATENT-APPL-SN-526832 c 25 N83-36121* #
US-PATENT-APPL-SN-527331 c 17 N73-28573* #
US-PATENT-APPL-SN-527613 c 37 N83-36485* #
US-PATENT-APPL-SN-527727 c 02 N76-16014* #
US-PATENT-APPL-SN-527728 c 37 N76-18458* #
US-PATENT-APPL-SN-527790 c 33 N76-14372* #
US-PATENT-APPL-SN-527918 c 28 N83-35158* #
US-PATENT-APPL-SN-528031 c 10 N69-39888* #
US-PATENT-APPL-SN-529593 c 27 N71-21819* #
US-PATENT-APPL-SN-529594 c 15 N69-27483* #
US-PATENT-APPL-SN-529594 c 33 N71-29152* #
US-PATENT-APPL-SN-529609 c 09 N69-39986* #
US-PATENT-APPL-SN-529803 c 33 N83-35228* #
US-PATENT-APPL-SN-529884 c 54 N78-18761* #
US-PATENT-APPL-SN-530185 c 33 N83-35229* #
US-PATENT-APPL-SN-530339 c 31 N83-35178* #
US-PATENT-APPL-SN-530958 c 09 N71-22985* #
US-PATENT-APPL-SN-531565 c 36 N76-24553* #
US-PATENT-APPL-SN-531566 c 10 N71-28860* #
US-PATENT-APPL-SN-531572 c 66 N76-19888* #
US-PATENT-APPL-SN-531575 c 32 N76-31372* #
US-PATENT-APPL-SN-531642 c 25 N71-21693* #
US-PATENT-APPL-SN-531647 c 04 N76-20114* #
US-PATENT-APPL-SN-531647 c 04 N77-19056* #
US-PATENT-APPL-SN-532006 c 23 N71-24857* #
US-PATENT-APPL-SN-532342 c 05 N83-34934* #
US-PATENT-APPL-SN-532784 c 27 N75-29263* #
US-PATENT-APPL-SN-532784 c 27 N78-17205* #
US-PATENT-APPL-SN-533555 c 36 N76-18428* #
US-PATENT-APPL-SN-533556 c 36 N78-29575* #

US-PATENT-APPL-SN-533608 c 32 N76-21366* #
US-PATENT-APPL-SN-533650 c 35 N75-27329* #
US-PATENT-APPL-SN-533659 c 14 N73-30390* #
US-PATENT-APPL-SN-533734 c 33 N77-10428* #
US-PATENT-APPL-SN-534265 c 32 N76-21365* #
US-PATENT-APPL-SN-534266 c 35 N76-24523* #
US-PATENT-APPL-SN-534295 c 15 N71-21076* #
US-PATENT-APPL-SN-534564 c 10 N71-22961* #
US-PATENT-APPL-SN-534901 c 14 N70-36807* #
US-PATENT-APPL-SN-534931 c 37 N80-14395* #
US-PATENT-APPL-SN-534966 c 15 N71-24042* #
US-PATENT-APPL-SN-534975 c 14 N71-24232* #
US-PATENT-APPL-SN-535169 c 54 N78-17678* #
US-PATENT-APPL-SN-535304 c 09 N71-28810* #
US-PATENT-APPL-SN-535410 c 37 N76-15457* #
US-PATENT-APPL-SN-536210 c 17 N71-24830* #
US-PATENT-APPL-SN-536216 c 10 N71-23315* #
US-PATENT-APPL-SN-536217 c 10 N71-23544* #
US-PATENT-APPL-SN-536535 c 33 N76-14371* #
US-PATENT-APPL-SN-536761 c 33 N76-19338* #
US-PATENT-APPL-SN-536762 c 37 N76-22540* #
US-PATENT-APPL-SN-536785 c 33 N76-31409* #
US-PATENT-APPL-SN-536786 c 44 N77-32581* #
US-PATENT-APPL-SN-537024 c 44 N76-27664* #
US-PATENT-APPL-SN-537480 c 45 N76-31714* #
US-PATENT-APPL-SN-537615 c 28 N71-22983* #
US-PATENT-APPL-SN-537617 c 09 N71-22987* #
US-PATENT-APPL-SN-537979 c 37 N77-11397* #
US-PATENT-APPL-SN-538047 c 37 N76-27568* #
US-PATENT-APPL-SN-538166 c 15 N71-21177* #
US-PATENT-APPL-SN-538168 c 23 N71-16098* #
US-PATENT-APPL-SN-538863 c 54 N78-17680* #
US-PATENT-APPL-SN-538905 c 08 N71-18594* #
US-PATENT-APPL-SN-538907 c 33 N71-28903* #
US-PATENT-APPL-SN-538908 c 33 N71-22890* #
US-PATENT-APPL-SN-538911 c 33 N71-22792* #
US-PATENT-APPL-SN-538913 c 14 N71-17627* #
US-PATENT-APPL-SN-538982 c 33 N77-14333* #
US-PATENT-APPL-SN-538983 c 33 N76-18353* #
US-PATENT-APPL-SN-539237 c 33 N71-16278* #
US-PATENT-APPL-SN-539255 c 18 N71-26153* #
US-PATENT-APPL-SN-539255 c 17 N72-28536* #
US-PATENT-APPL-SN-540414 c 15 N71-22799* #
US-PATENT-APPL-SN-540779 c 33 N79-12331* #
US-PATENT-APPL-SN-541399 c 14 N71-20428* #
US-PATENT-APPL-SN-542157 c 20 N76-21276* #
US-PATENT-APPL-SN-542192 c 26 N75-27126* #
US-PATENT-APPL-SN-54270 c 07 N72-25173* #
US-PATENT-APPL-SN-542713 c 23 N71-23976* #
US-PATENT-APPL-SN-54271 c 02 N73-19004* #
US-PATENT-APPL-SN-542754 c 34 N76-18374* #
US-PATENT-APPL-SN-543206 c 05 N71-23159* #
US-PATENT-APPL-SN-543771 c 06 N69-39733* #
US-PATENT-APPL-SN-544611 c 33 N76-15373* #
US-PATENT-APPL-SN-544895 c 07 N71-28809* #
US-PATENT-APPL-SN-544899 c 09 N71-20569* #
US-PATENT-APPL-SN-545223 c 03 N71-11056* #
US-PATENT-APPL-SN-545224 c 15 N69-21362* #
US-PATENT-APPL-SN-545228 c 07 N69-39736* #
US-PATENT-APPL-SN-545229 c 03 N69-21469* #
US-PATENT-APPL-SN-545282 c 35 N76-24524* #
US-PATENT-APPL-SN-545283 c 32 N77-12239* #
US-PATENT-APPL-SN-545284 c 34 N76-27517* #
US-PATENT-APPL-SN-54540 c 15 N72-29488* #
US-PATENT-APPL-SN-54540 c 37 N74-15125* #
US-PATENT-APPL-SN-54552 c 27 N70-34783* #
US-PATENT-APPL-SN-54552 c 20 N77-17143* #
US-PATENT-APPL-SN-545535 c 03 N69-21539* #
US-PATENT-APPL-SN-545793 c 20 N80-14188* #
US-PATENT-APPL-SN-545805 c 15 N71-21744* #
US-PATENT-APPL-SN-546142 c 09 N69-24329* #
US-PATENT-APPL-SN-546148 c 11 N71-22875* #
US-PATENT-APPL-SN-546149 c 16 N71-24170* #
US-PATENT-APPL-SN-547072 c 15 N71-24043* #
US-PATENT-APPL-SN-547072 c 35 N78-32397* #
US-PATENT-APPL-SN-547643 c 33 N79-33392* #
US-PATENT-APPL-SN-547677 c 10 N71-20448* #
US-PATENT-APPL-SN-548468 c 37 N76-27567* #
US-PATENT-APPL-SN-548559 c 44 N76-29700* #
US-PATENT-APPL-SN-548808 c 14 N71-23227* #
US-PATENT-APPL-SN-549418 c 36 N76-31512* #
US-PATENT-APPL-SN-549860 c 03 N71-19438* #
US-PATENT-APPL-SN-550088 c 07 N71-24612* #
US-PATENT-APPL-SN-551182 c 03 N71-23187* #
US-PATENT-APPL-SN-551184 c 37 N76-22541* #
US-PATENT-APPL-SN-551694 c 31 N71-18611* #
US-PATENT-APPL-SN-551815 c 02 N71-11038* #
US-PATENT-APPL-SN-551846 c 03 N71-20492* #
US-PATENT-APPL-SN-551933 c 33 N71-14032* #
US-PATENT-APPL-SN-551961 c 15 N70-33376* #
US-PATENT-APPL-SN-552108 c 07 N79-14096* #
US-PATENT-APPL-SN-552344 c 09 N69-27463* #
US-PATENT-APPL-SN-552454 c 35 N76-24525* #
US-PATENT-APPL-SN-55333 c 10 N73-16206* #
US-PATENT-APPL-SN-553687 c 44 N76-29704* #
US-PATENT-APPL-SN-553891 c 23 N71-16341* #

REPORT NUMBER INDEX

REPORT NUMBER INDEX

US-PATENT-APPL-SN-608247

US-PATENT-APPL-SN-554277	c 07	N71-26579*	US-PATENT-APPL-SN-572990	c 37	N78-16369* #	US-PATENT-APPL-SN-590182	c 37	N76-29588* #
US-PATENT-APPL-SN-554897	c 15	N71-22982*	US-PATENT-APPL-SN-572991	c 51	N77-22794* #	US-PATENT-APPL-SN-590183	c 74	N79-13855* #
US-PATENT-APPL-SN-554899	c 15	N70-33382*	US-PATENT-APPL-SN-573029	c 07	N79-14097* #	US-PATENT-APPL-SN-590975	c 44	N78-31525* #
US-PATENT-APPL-SN-554949	c 06	N71-20717*	US-PATENT-APPL-SN-573432	c 14	N71-23790*	US-PATENT-APPL-SN-591000	c 15	N71-24044*
US-PATENT-APPL-SN-554950	c 17	N71-23248*	US-PATENT-APPL-SN-573999	c 03	N72-20034* #	US-PATENT-APPL-SN-591004	c 07	N71-11266* #
US-PATENT-APPL-SN-554959	c 27	N79-21191* #	US-PATENT-APPL-SN-574208	c 37	N76-29590* #	US-PATENT-APPL-SN-591007	c 16	N69-27491* #
US-PATENT-APPL-SN-555189	c 08	N71-27255*	US-PATENT-APPL-SN-574218	c 52	N76-29895* #	US-PATENT-APPL-SN-591014	c 28	N71-24736*
US-PATENT-APPL-SN-555336	c 33	N76-27473* #	US-PATENT-APPL-SN-574219	c 35	N76-31490* #	US-PATENT-APPL-SN-591568	c 74	N76-31998* #
US-PATENT-APPL-SN-555334	c 11	N72-25288* #	US-PATENT-APPL-SN-574280	c 15	N69-21460* #	US-PATENT-APPL-SN-591569	c 37	N77-12402* #
US-PATENT-APPL-SN-555335	c 14	N73-20474* #	US-PATENT-APPL-SN-574282	c 15	N69-23190* #	US-PATENT-APPL-SN-591930	c 03	N69-21330* #
US-PATENT-APPL-SN-555336	c 14	N72-29464* #	US-PATENT-APPL-SN-574282	c 15	N71-23025*	US-PATENT-APPL-SN-592159	c 07	N76-27232* #
US-PATENT-APPL-SN-555337	c 18	N72-25540* #	US-PATENT-APPL-SN-574283	c 14	N69-24257* #	US-PATENT-APPL-SN-592680	c 15	N71-22877* #
US-PATENT-APPL-SN-555641	c 51	N76-29891* #	US-PATENT-APPL-SN-574284	c 08	N71-19763*	US-PATENT-APPL-SN-592694	c 05	N71-12342* #
US-PATENT-APPL-SN-555750	c 27	N79-12221* #	US-PATENT-APPL-SN-574290	c 14	N71-20439*	US-PATENT-APPL-SN-593142	c 37	N77-17464* #
US-PATENT-APPL-SN-556784	c 09	N71-20447*	US-PATENT-APPL-SN-575291	c 33	N71-29151*	US-PATENT-APPL-SN-593593	c 06	N71-11239* #
US-PATENT-APPL-SN-556830	c 15	N71-26294*	US-PATENT-APPL-SN-575475	c 05	N69-23192* #	US-PATENT-APPL-SN-593594	c 06	N71-11236* #
US-PATENT-APPL-SN-557016	c 15	N71-23086*	US-PATENT-APPL-SN-575930	c 06	N71-23230*	US-PATENT-APPL-SN-593595	c 06	N71-24740* #
US-PATENT-APPL-SN-557430	c 52	N77-14737* #	US-PATENT-APPL-SN-576182	c 33	N71-24276*	US-PATENT-APPL-SN-593604	c 11	N69-27466* #
US-PATENT-APPL-SN-557448	c 45	N76-17656* #	US-PATENT-APPL-SN-576183	c 09	N71-23525*	US-PATENT-APPL-SN-593605	c 06	N71-11242* #
US-PATENT-APPL-SN-557565	c 24	N77-27187* #	US-PATENT-APPL-SN-576185	c 14	N71-21079*	US-PATENT-APPL-SN-593606	c 06	N71-11243* #
US-PATENT-APPL-SN-557584	c 09	N71-20851*	US-PATENT-APPL-SN-576488	c 44	N76-28635* #	US-PATENT-APPL-SN-593607	c 07	N71-26102*
US-PATENT-APPL-SN-557861	c 03	N71-24605*	US-PATENT-APPL-SN-576521	c 09	N71-20884*	US-PATENT-APPL-SN-594584	c 14	N71-25892*
US-PATENT-APPL-SN-557868	c 14	N70-41682* #	US-PATENT-APPL-SN-576774	c 60	N77-19760* #	US-PATENT-APPL-SN-594587	c 28	N71-21493*
US-PATENT-APPL-SN-557871	c 10	N71-21483*	US-PATENT-APPL-SN-576792	c 14	N71-26136*	US-PATENT-APPL-SN-594633	c 15	N71-24046*
US-PATENT-APPL-SN-55806	c 06	N72-31140* #	US-PATENT-APPL-SN-576797	c 09	N69-24318* #	US-PATENT-APPL-SN-595197	c 33	N77-10429* #
US-PATENT-APPL-SN-558600	c 74	N77-10899* #	US-PATENT-APPL-SN-577114	c 15	N69-24320* #	US-PATENT-APPL-SN-595254	c 17	N78-17140* #
US-PATENT-APPL-SN-559055	c 33	N71-29046*	US-PATENT-APPL-SN-577115	c 15	N71-17647*	US-PATENT-APPL-SN-595745	c 37	N77-32501* #
US-PATENT-APPL-SN-559349	c 33	N71-24145*	US-PATENT-APPL-SN-577545	c 08	N71-18693*	US-PATENT-APPL-SN-595747	c 37	N77-32500* #
US-PATENT-APPL-SN-559350	c 33	N71-28892*	US-PATENT-APPL-SN-577546	c 31	N71-23008*	US-PATENT-APPL-SN-596338	c 09	N71-20816*
US-PATENT-APPL-SN-559351	c 14	N69-39785* #	US-PATENT-APPL-SN-577548	c 09	N69-27422* #	US-PATENT-APPL-SN-596641	c 07	N77-23106* #
US-PATENT-APPL-SN-559845	c 35	N76-29551* #	US-PATENT-APPL-SN-577549	c 14	N72-28438* #	US-PATENT-APPL-SN-596641	c 37	N78-10467* #
US-PATENT-APPL-SN-559846	c 34	N79-13289* #	US-PATENT-APPL-SN-577549	c 15	N71-22721*	US-PATENT-APPL-SN-596733	c 15	N72-11389* #
US-PATENT-APPL-SN-559846	c 34	N80-24573* #	US-PATENT-APPL-SN-577775	c 14	N71-17574*	US-PATENT-APPL-SN-596735	c 32	N71-24285*
US-PATENT-APPL-SN-559847	c 34	N79-13288* #	US-PATENT-APPL-SN-577778	c 03	N71-11050* #	US-PATENT-APPL-SN-596787	c 37	N77-19458* #
US-PATENT-APPL-SN-560891	c 73	N78-19920* #	US-PATENT-APPL-SN-578240	c 34	N77-18382* #	US-PATENT-APPL-SN-596787	c 37	N78-31426* #
US-PATENT-APPL-SN-560967	c 15	N69-21922* #	US-PATENT-APPL-SN-578241	c 52	N76-29896* #	US-PATENT-APPL-SN-596788	c 33	N76-21390* #
US-PATENT-APPL-SN-560968	c 10	N71-24863*	US-PATENT-APPL-SN-578397	c 20	N79-21124* #	US-PATENT-APPL-SN-596905	c 24	N77-19170* #
US-PATENT-APPL-SN-560969	c 14	N71-15622* #	US-PATENT-APPL-SN-578700	c 43	N82-13465* #	US-PATENT-APPL-SN-597430	c 44	N81-29525* #
US-PATENT-APPL-SN-561020	c 44	N76-23675* #	US-PATENT-APPL-SN-578916	c 14	N71-23036*	US-PATENT-APPL-SN-597430	c 44	N82-28780* #
US-PATENT-APPL-SN-561223	c 14	N71-20427*	US-PATENT-APPL-SN-578923	c 15	N71-21403*	US-PATENT-APPL-SN-598118	c 15	N69-27490* #
US-PATENT-APPL-SN-561764	c 32	N77-10392* #	US-PATENT-APPL-SN-578925	c 23	N71-16355*	US-PATENT-APPL-SN-598119	c 08	N71-19437*
US-PATENT-APPL-SN-561956	c 35	N77-17426* #	US-PATENT-APPL-SN-578926	c 06	N69-39936* #	US-PATENT-APPL-SN-598120	c 08	N71-18602*
US-PATENT-APPL-SN-562443	c 09	N69-39734* #	US-PATENT-APPL-SN-578928	c 26	N71-21824*	US-PATENT-APPL-SN-598504	c 37	N77-14477* #
US-PATENT-APPL-SN-562444	c 14	N71-22995*	US-PATENT-APPL-SN-578931	c 23	N71-21882*	US-PATENT-APPL-SN-598892	c 06	N73-30097* #
US-PATENT-APPL-SN-562445	c 14	N71-23797*	US-PATENT-APPL-SN-578932	c 08	N71-12505* #	US-PATENT-APPL-SN-598992	c 15	N74-27360* #
US-PATENT-APPL-SN-562499	c 32	N77-31350* #	US-PATENT-APPL-SN-579121	c 15	N71-29136*	US-PATENT-APPL-SN-598993	c 15	N72-25456* #
US-PATENT-APPL-SN-562558	c 31	N79-21227* #	US-PATENT-APPL-SN-579300	c 20	N79-21123* #	US-PATENT-APPL-SN-598994	c 23	N73-13662* #
US-PATENT-APPL-SN-562933	c 10	N71-24799*	US-PATENT-APPL-SN-579375	c 07	N77-14025* #	US-PATENT-APPL-SN-598995	c 15	N72-20445* #
US-PATENT-APPL-SN-562934	c 09	N69-21468* #	US-PATENT-APPL-SN-579376	c 20	N79-21125* #	US-PATENT-APPL-SN-598996	c 31	N77-10229* #
US-PATENT-APPL-SN-562992	c 27	N78-32261* #	US-PATENT-APPL-SN-579899	c 34	N77-32413* #	US-PATENT-APPL-SN-598998	c 33	N77-17354* #
US-PATENT-APPL-SN-563049	c 17	N76-29347* #	US-PATENT-APPL-SN-580365	c 15	N71-23255*	US-PATENT-APPL-SN-598999	c 44	N78-17460* #
US-PATENT-APPL-SN-563050	c 37	N76-31524* #	US-PATENT-APPL-SN-58147	c 28	N70-33356*	US-PATENT-APPL-SN-599284	c 35	N77-14411* #
US-PATENT-APPL-SN-563283	c 35	N76-18401* #	US-PATENT-APPL-SN-581514	c 70	N75-26789* #	US-PATENT-APPL-SN-599556	c 14	N72-27411* #
US-PATENT-APPL-SN-563644	c 15	N71-18613* #	US-PATENT-APPL-SN-581750	c 07	N78-17055* #	US-PATENT-APPL-SN-59966	c 21	N72-25595* #
US-PATENT-APPL-SN-563646	c 05	N71-23096*	US-PATENT-APPL-SN-581751	c 37	N78-10468* #	US-PATENT-APPL-SN-59966	c 15	N72-27484* #
US-PATENT-APPL-SN-563648	c 15	N71-17803*	US-PATENT-APPL-SN-581843	c 31	N79-21226* #	US-PATENT-APPL-SN-59969	c 08	N72-25249* #
US-PATENT-APPL-SN-563650	c 25	N69-21929* #	US-PATENT-APPL-SN-582171	c 32	N71-16428*	US-PATENT-APPL-SN-599975	c 09	N69-21928* #
US-PATENT-APPL-SN-563651	c 28	N71-23293*	US-PATENT-APPL-SN-582213	c 32	N74-22096* #	US-PATENT-APPL-SN-600266	c 14	N71-20430*
US-PATENT-APPL-SN-564622	c 37	N77-31497* #	US-PATENT-APPL-SN-582318	c 33	N76-27472* #	US-PATENT-APPL-SN-600682	c 15	N71-20461*
US-PATENT-APPL-SN-564919	c 09	N71-23316*	US-PATENT-APPL-SN-582609	c 10	N71-19467*	US-PATENT-APPL-SN-601228	c 14	N71-17652*
US-PATENT-APPL-SN-565162	c 35	N79-14348* #	US-PATENT-APPL-SN-583055	c 07	N78-18067* #	US-PATENT-APPL-SN-601229	c 14	N71-26474*
US-PATENT-APPL-SN-565289	c 38	N77-17495* #	US-PATENT-APPL-SN-583056	c 37	N78-17384* #	US-PATENT-APPL-SN-602617	c 37	N77-23483* #
US-PATENT-APPL-SN-565290	c 17	N76-22245* #	US-PATENT-APPL-SN-583219	c 43	N82-13465* #	US-PATENT-APPL-SN-602618	c 44	N76-31667* #
US-PATENT-APPL-SN-566392	c 14	N71-23175*	US-PATENT-APPL-SN-583485	c 33	N77-28385* #	US-PATENT-APPL-SN-60276	c 22	N73-32528* #
US-PATENT-APPL-SN-566397	c 05	N71-23161*	US-PATENT-APPL-SN-583486	c 33	N77-26386* #	US-PATENT-APPL-SN-602828	c 09	N71-13531* #
US-PATENT-APPL-SN-566493	c 44	N76-29701* #	US-PATENT-APPL-SN-583487	c 52	N76-19785* #	US-PATENT-APPL-SN-603396	c 14	N69-23191* #
US-PATENT-APPL-SN-566494	c 32	N77-30309* #	US-PATENT-APPL-SN-584015	c 14	N71-26475*	US-PATENT-APPL-SN-603397	c 26	N71-23292*
US-PATENT-APPL-SN-566495	c 33	N77-17351* #	US-PATENT-APPL-SN-584066	c 10	N71-20852*	US-PATENT-APPL-SN-604374	c 44	N76-29699* #
US-PATENT-APPL-SN-566717	c 14	N71-24233*	US-PATENT-APPL-SN-584067	c 07	N71-12392*	US-PATENT-APPL-SN-605090	c 15	N71-19485*
US-PATENT-APPL-SN-567686	c 15	N71-22994*	US-PATENT-APPL-SN-584070	c 09	N69-27500* #	US-PATENT-APPL-SN-605091	c 15	N71-26346*
US-PATENT-APPL-SN-567806	c 06	N71-22975*	US-PATENT-APPL-SN-584071	c 26	N71-16037*	US-PATENT-APPL-SN-605092	c 05	N71-23317*
US-PATENT-APPL-SN-56791	c 10	N72-16172* #	US-PATENT-APPL-SN-584072	c 15	N69-39786* #	US-PATENT-APPL-SN-605093	c 17	N71-24911*
US-PATENT-APPL-SN-568067	c 31	N71-22968*	US-PATENT-APPL-SN-584094	c 26	N77-20201* #	US-PATENT-APPL-SN-605094	c 09	N71-24808*
US-PATENT-APPL-SN-568071	c 14	N69-27461* #	US-PATENT-APPL-SN-584914	c 54	N78-17679* #	US-PATENT-APPL-SN-605095	c 10	N71-19417*
US-PATENT-APPL-SN-568160	c 10	N71-18724*	US-PATENT-APPL-SN-585217	c 54	N78-17677* #	US-PATENT-APPL-SN-605096	c 15	N71-24834*
US-PATENT-APPL-SN-568346	c 04	N69-27487* #	US-PATENT-APPL-SN-585420	c 35	N76-31489* #	US-PATENT-APPL-SN-605097	c 14	N69-21923* #
US-PATENT-APPL-SN-568352	c 09	N71-20842*	US-PATENT-APPL-SN-585988	c 33	N75-29318* #	US-PATENT-APPL-SN-605098	c 09	N71-26092*
US-PATENT-APPL-SN-568354	c 14	N71-22752*	US-PATENT-APPL-SN-586324	c 05	N71-26293*	US-PATENT-APPL-SN-605099	c 09	N71-26092*
US-PATENT-APPL-SN-568355	c 32	N71-23971*	US-PATENT-APPL-SN-586325	c 31	N71-24315*	US-PATENT-APPL-SN-605100	c 15	N71-21536*
US-PATENT-APPL-SN-568356	c 14	N71-15599* #	US-PATENT-APPL-SN-586329	c 05	N71-24623*	US-PATENT-APPL-SN-605102	c 09	N69-39987* #
US-PATENT-APPL-SN-568362	c 03	N69-39983* #	US-PATENT-APPL-SN-586330	c 05	N71-12344* #	US-PATENT-APPL-SN-60531	c 28	N70-37980* #
US-PATENT-APPL-SN-568364	c 10	N71-26418*	US-PATENT-APPL-SN-586835	c 21	N71-15642*	US-PATENT-APPL-SN-60536	c 02	N70-38009* #
US-PATENT-APPL-SN-568541	c 24	N77-28225* #	US-PATENT-APPL-SN-586851	c 31	N71-24813*	US-PATENT-APPL-SN-605518	c 15	N71-23023*
US-PATENT-APPL-SN-568541	c 27	N81-14077* #	US-PATENT-APPL-SN-586871	c 03	N71-23354*	US-PATENT-APPL-SN-605964	c 06	N73-30103* #
US-PATENT-APPL-SN-568620	c 10	N71-26626*	US-PATENT-APPL-SN-586721	c 27	N78-33228* #	US-PATENT-APPL-SN-605994	c 06	N73-30101* #
US-PATENT-APPL-SN-568987	c 10	N71-19547*	US-PATENT-APPL-SN-589119	c 32	N77-32342* #	US-PATENT-APPL-SN-606027	c 06	N73-30099* #
US-PATENT-APPL-SN-569925	c 07	N77-17059* #	US-PATENT-APPL-SN-589172	c 27	N78-14214* #	US-PATENT-APPL-SN-606036	c 06	N73-30100* #
US-PATENT-APPL-SN-570093	c 06	N71-17705*	US-PATENT-APPL-SN-589173	c 32	N77-12240* #	US-PATENT-APPL-SN-606462	c 08	N71-24891*
US-PATENT-APPL-SN-570095	c 14	N71-23226*	US-PATENT-APPL-SN-589233	c 33	N77-14335* #	US-PATENT-APPL-SN-606463	c 14	N71-24864*
US-PATENT-APPL-SN-570097	c 15	N69-23185* #	US-PATENT-APPL-SN-590141	c 03	N69-24267* #	US-PATENT-APPL-SN-606464	c 15	N71-18579* #
US-PATENT-APPL-SN-570678	c 17	N71-25903*	US-PATENT-APPL-SN-590144	c 15				

US-PATENT-APPL-SN-608482	c 74	N77-20882* #	US-PATENT-APPL-SN-632154	c 09	N69-39984* #	US-PATENT-APPL-SN-648700	c 74	N78-13874* #
US-PATENT-APPL-SN-608483	c 09	N77-19076* #	US-PATENT-APPL-SN-632162	c 14	N69-39937* #	US-PATENT-APPL-SN-649075	c 14	N71-15600* #
US-PATENT-APPL-SN-60876	c 15	N72-27485* #	US-PATENT-APPL-SN-632163	c 30	N71-23723* #	US-PATENT-APPL-SN-649076	c 08	N71-24890* #
US-PATENT-APPL-SN-60881	c 32	N72-25877* #	US-PATENT-APPL-SN-632164	c 15	N69-24319* #	US-PATENT-APPL-SN-649078	c 07	N71-19493* #
US-PATENT-APPL-SN-60882	c 05	N73-32011* #	US-PATENT-APPL-SN-632165	c 14	N71-26266* #	US-PATENT-APPL-SN-649356	c 09	N71-23189* #
US-PATENT-APPL-SN-60883	c 10	N73-13235* #	US-PATENT-APPL-SN-63383	c 08	N72-20177* #	US-PATENT-APPL-SN-649357	c 08	N71-12500* #
US-PATENT-APPL-SN-608944	c 15	N71-23798* #	US-PATENT-APPL-SN-63384	c 05	N72-22093* #	US-PATENT-APPL-SN-649358	c 07	N71-11267* #
US-PATENT-APPL-SN-60950	c 04	N73-27052* #	US-PATENT-APPL-SN-633876	c 27	N78-19302* #	US-PATENT-APPL-SN-649359	c 15	N71-18701* #
US-PATENT-APPL-SN-610723	c 14	N71-23755* #	US-PATENT-APPL-SN-633877	c 27	N77-13217* #	US-PATENT-APPL-SN-649360	c 23	N71-16365* #
US-PATENT-APPL-SN-610724	c 31	N71-28851* #	US-PATENT-APPL-SN-634038	c 25	N71-16073* #	US-PATENT-APPL-SN-650166	c 09	N71-23191* #
US-PATENT-APPL-SN-610728	c 31	N71-22969* #	US-PATENT-APPL-SN-634040	c 15	N71-19489* #	US-PATENT-APPL-SN-651002	c 08	N79-14108* #
US-PATENT-APPL-SN-610801	c 76	N77-32919* #	US-PATENT-APPL-SN-634060	c 09	N69-39897* #	US-PATENT-APPL-SN-651007	c 74	N78-17865* #
US-PATENT-APPL-SN-610802	c 35	N77-20400* #	US-PATENT-APPL-SN-634205	c 35	N77-14406* #	US-PATENT-APPL-SN-651009	c 26	N78-18182* #
US-PATENT-APPL-SN-611414	c 46	N74-23068* #	US-PATENT-APPL-SN-634214	c 73	N78-28913* #	US-PATENT-APPL-SN-651627	c 26	N72-25679* #
US-PATENT-APPL-SN-611414	c 46	N74-23069* #	US-PATENT-APPL-SN-634304	c 27	N79-18052* #	US-PATENT-APPL-SN-651972	c 27	N74-23125* #
US-PATENT-APPL-SN-612265	c 14	N72-22442* #	US-PATENT-APPL-SN-635325	c 14	N69-27431* #	US-PATENT-APPL-SN-652948	c 52	N77-14736* #
US-PATENT-APPL-SN-612568	c 15	N71-28952* #	US-PATENT-APPL-SN-635326	c 14	N71-18482* #	US-PATENT-APPL-SN-652979	c 45	N82-11634* #
US-PATENT-APPL-SN-612740	c 25	N71-20563* #	US-PATENT-APPL-SN-635327	c 12	N69-39988* #	US-PATENT-APPL-SN-653277	c 31	N71-23912* #
US-PATENT-APPL-SN-612899	c 07	N77-18154* #	US-PATENT-APPL-SN-635328	c 09	N69-21467* #	US-PATENT-APPL-SN-653278	c 14	N69-27503* #
US-PATENT-APPL-SN-612964	c 20	N77-10148* #	US-PATENT-APPL-SN-635332	c 08	N72-25209* #	US-PATENT-APPL-SN-653316	c 25	N77-32255* #
US-PATENT-APPL-SN-612965	c 52	N77-14735* #	US-PATENT-APPL-SN-635519	c 35	N77-24455* #	US-PATENT-APPL-SN-653422	c 35	N77-20401* #
US-PATENT-APPL-SN-612966	c 35	N78-12390* #	US-PATENT-APPL-SN-635531	c 33	N77-14334* #	US-PATENT-APPL-SN-653682	c 39	N78-10493* #
US-PATENT-APPL-SN-612967	c 74	N77-18893* #	US-PATENT-APPL-SN-635970	c 15	N69-21465* #	US-PATENT-APPL-SN-654787	c 07	N77-32148* #
US-PATENT-APPL-SN-613004	c 71	N77-26919* #	US-PATENT-APPL-SN-635972	c 18	N71-23710* #	US-PATENT-APPL-SN-655149	c 07	N77-23106* #
US-PATENT-APPL-SN-613235	c 14	N73-30394* #	US-PATENT-APPL-SN-63610	c 06	N72-25147* #	US-PATENT-APPL-SN-655448	c 18	N70-39897* #
US-PATENT-APPL-SN-61329	c 31	N70-37986* #	US-PATENT-APPL-SN-636193	c 74	N78-15880* #	US-PATENT-APPL-SN-655675	c 17	N77-24142* #
US-PATENT-APPL-SN-613734	c 52	N77-14738* #	US-PATENT-APPL-SN-636796	c 35	N78-17358* #	US-PATENT-APPL-SN-655677	c 08	N71-19432* #
US-PATENT-APPL-SN-613797	c 33	N71-14035* #	US-PATENT-APPL-SN-636878	c 14	N71-20442* #	US-PATENT-APPL-SN-655724	c 15	N71-22706* #
US-PATENT-APPL-SN-615030	c 35	N78-19465* #	US-PATENT-APPL-SN-637247	c 35	N77-10493* #	US-PATENT-APPL-SN-656952	c 09	N71-12519* #
US-PATENT-APPL-SN-61535	c 15	N72-25453* #	US-PATENT-APPL-SN-637249	c 38	N76-28563* #	US-PATENT-APPL-SN-656953	c 14	N71-17585* #
US-PATENT-APPL-SN-616332	c 24	N77-27188* #	US-PATENT-APPL-SN-637268	c 47	N77-10753* #	US-PATENT-APPL-SN-656993	c 09	N71-24843* #
US-PATENT-APPL-SN-616333	c 33	N76-32457* #	US-PATENT-APPL-SN-637269	c 52	N77-28717* #	US-PATENT-APPL-SN-656995	c 21	N71-14132* #
US-PATENT-APPL-SN-616472	c 74	N77-22951* #	US-PATENT-APPL-SN-637882	c 15	N71-17650* #	US-PATENT-APPL-SN-657742	c 18	N71-26100* #
US-PATENT-APPL-SN-616528	c 24	N80-33482* #	US-PATENT-APPL-SN-638192	c 10	N71-26415* #	US-PATENT-APPL-SN-657903	c 07	N83-33884* #
US-PATENT-APPL-SN-617021	c 23	N71-16101* #	US-PATENT-APPL-SN-638194	c 33	N71-21507* #	US-PATENT-APPL-SN-657907	c 27	N78-17213* #
US-PATENT-APPL-SN-617022	c 07	N69-27462* #	US-PATENT-APPL-SN-638707	c 14	N69-27486* #	US-PATENT-APPL-SN-657995	c 35	N77-22450* #
US-PATENT-APPL-SN-617202	c 74	N77-28933* #	US-PATENT-APPL-SN-639589	c 28	N70-33372* #	US-PATENT-APPL-SN-657996	c 60	N78-10709* #
US-PATENT-APPL-SN-617612	c 52	N77-10780* #	US-PATENT-APPL-SN-640154	c 09	N71-18600* #	US-PATENT-APPL-SN-657997	c 60	N77-32731* #
US-PATENT-APPL-SN-617770	c 14	N71-23267* #	US-PATENT-APPL-SN-640444	c 15	N71-19486* #	US-PATENT-APPL-SN-657998	c 27	N78-32262* #
US-PATENT-APPL-SN-617774	c 18	N71-16124* #	US-PATENT-APPL-SN-640447	c 08	N71-19420* #	US-PATENT-APPL-SN-658132	c 44	N77-32580* #
US-PATENT-APPL-SN-617775	c 06	N71-28807* #	US-PATENT-APPL-SN-640449	c 09	N71-19516* #	US-PATENT-APPL-SN-658133	c 71	N78-10837* #
US-PATENT-APPL-SN-617776	c 18	N69-39895* #	US-PATENT-APPL-SN-640450	c 15	N71-17694* #	US-PATENT-APPL-SN-65840	c 10	N72-20225* #
US-PATENT-APPL-SN-617778	c 14	N71-26244* #	US-PATENT-APPL-SN-640452	c 09	N71-12513* #	US-PATENT-APPL-SN-658449	c 32	N77-20289* #
US-PATENT-APPL-SN-617779	c 09	N69-39929* #	US-PATENT-APPL-SN-640453	c 23	N71-16099* #	US-PATENT-APPL-SN-658450	c 37	N77-22482* #
US-PATENT-APPL-SN-617783	c 15	N69-24266* #	US-PATENT-APPL-SN-640454	c 06	N71-11238* #	US-PATENT-APPL-SN-658487	c 37	N81-25371* #
US-PATENT-APPL-SN-617895	c 32	N77-14292* #	US-PATENT-APPL-SN-640455	c 10	N71-23099* #	US-PATENT-APPL-SN-658955	c 14	N71-15605* #
US-PATENT-APPL-SN-618594	c 37	N77-13418* #	US-PATENT-APPL-SN-640456	c 03	N71-26726* #	US-PATENT-APPL-SN-658956	c 15	N71-15607* #
US-PATENT-APPL-SN-61894	c 12	N72-21310* #	US-PATENT-APPL-SN-640457	c 03	N71-11052* #	US-PATENT-APPL-SN-658957	c 14	N71-17584* #
US-PATENT-APPL-SN-61895	c 07	N72-33146* #	US-PATENT-APPL-SN-640458	c 15	N71-23811* #	US-PATENT-APPL-SN-658964	c 19	N71-26674* #
US-PATENT-APPL-SN-618969	c 05	N71-26333* #	US-PATENT-APPL-SN-640459	c 10	N71-18723* #	US-PATENT-APPL-SN-658999	c 44	N82-24645* #
US-PATENT-APPL-SN-619519	c 32	N71-16106* #	US-PATENT-APPL-SN-640460	c 14	N69-21541* #	US-PATENT-APPL-SN-659882	c 37	N78-13436* #
US-PATENT-APPL-SN-619520	c 05	N69-21380* #	US-PATENT-APPL-SN-640462	c 15	N71-20443* #	US-PATENT-APPL-SN-66004	c 15	N72-25450* #
US-PATENT-APPL-SN-619521	c 06	N69-39889* #	US-PATENT-APPL-SN-640781	c 03	N69-25146* #	US-PATENT-APPL-SN-660571	c 26	N71-23654* #
US-PATENT-APPL-SN-619903	c 15	N69-27505* #	US-PATENT-APPL-SN-640783	c 09	N71-26000* #	US-PATENT-APPL-SN-660572	c 15	N71-15571* #
US-PATENT-APPL-SN-619907	c 09	N69-21543* #	US-PATENT-APPL-SN-640784	c 15	N69-39935* #	US-PATENT-APPL-SN-660573	c 15	N71-28936* #
US-PATENT-APPL-SN-619908	c 08	N71-20571* #	US-PATENT-APPL-SN-640785	c 09	N69-24333* #	US-PATENT-APPL-SN-660841	c 14	N71-15621* #
US-PATENT-APPL-SN-619986	c 37	N75-32465* #	US-PATENT-APPL-SN-640786	c 15	N71-24695* #	US-PATENT-APPL-SN-660842	c 14	N71-23726* #
US-PATENT-APPL-SN-620675	c 35	N78-19466* #	US-PATENT-APPL-SN-640787	c 28	N71-24321* #	US-PATENT-APPL-SN-660843	c 08	N71-24650* #
US-PATENT-APPL-SN-621098	c 09	N71-20446* #	US-PATENT-APPL-SN-640788	c 15	N69-27502* #	US-PATENT-APPL-SN-6610	c 15	N72-22492* #
US-PATENT-APPL-SN-621714	c 15	N71-19569* #	US-PATENT-APPL-SN-640789	c 15	N69-27504* #	US-PATENT-APPL-SN-661170	c 14	N71-24809* #
US-PATENT-APPL-SN-621715	c 05	N71-11207* #	US-PATENT-APPL-SN-641420	c 03	N71-23449* #	US-PATENT-APPL-SN-6615	c 03	N72-25019* #
US-PATENT-APPL-SN-621742	c 28	N71-23968* #	US-PATENT-APPL-SN-641431	c 30	N71-16090* #	US-PATENT-APPL-SN-6616	c 03	N72-22042* #
US-PATENT-APPL-SN-623156	c 04	N77-19056* #	US-PATENT-APPL-SN-641441	c 08	N71-18751* #	US-PATENT-APPL-SN-6617	c 15	N72-22488* #
US-PATENT-APPL-SN-623187	c 34	N77-19353* #	US-PATENT-APPL-SN-641784	c 37	N77-32499* #	US-PATENT-APPL-SN-66206	c 11	N73-13257* #
US-PATENT-APPL-SN-623188	c 54	N77-21844* #	US-PATENT-APPL-SN-641802	c 34	N77-30399* #	US-PATENT-APPL-SN-662175	c 09	N77-27131* #
US-PATENT-APPL-SN-623238	c 51	N77-25769* #	US-PATENT-APPL-SN-641803	c 35	N78-18391* #	US-PATENT-APPL-SN-662176	c 32	N77-21267* #
US-PATENT-APPL-SN-623389	c 31	N81-15154* #	US-PATENT-APPL-SN-64224	c 17	N70-38490* #	US-PATENT-APPL-SN-662181	c 25	N82-21269* #
US-PATENT-APPL-SN-623536	c 09	N78-18083* #	US-PATENT-APPL-SN-64226	c 17	N70-38198* #	US-PATENT-APPL-SN-662182	c 37	N78-27424* #
US-PATENT-APPL-SN-625732	c 35	N77-18417* #	US-PATENT-APPL-SN-643041	c 44	N78-19599* #	US-PATENT-APPL-SN-662182	c 35	N79-26372* #
US-PATENT-APPL-SN-625733	c 26	N77-28265* #	US-PATENT-APPL-SN-643043	c 35	N78-13400* #	US-PATENT-APPL-SN-662763	c 15	N73-12489* #
US-PATENT-APPL-SN-625734	c 35	N78-10428* #	US-PATENT-APPL-SN-643332	c 15	N71-14932* #	US-PATENT-APPL-SN-662828	c 11	N71-15578* #
US-PATENT-APPL-SN-625759	c 37	N77-14478* #	US-PATENT-APPL-SN-643897	c 73	N78-32848* #	US-PATENT-APPL-SN-662829	c 15	N71-18597* #
US-PATENT-APPL-SN-625781	c 33	N77-31404* #	US-PATENT-APPL-SN-64391	c 31	N72-25842* #	US-PATENT-APPL-SN-663008	c 37	N77-28486* #
US-PATENT-APPL-SN-626376	c 05	N71-11189* #	US-PATENT-APPL-SN-644444	c 09	N71-18721* #	US-PATENT-APPL-SN-663180	c 10	N71-23663* #
US-PATENT-APPL-SN-626942	c 51	N77-27677* #	US-PATENT-APPL-SN-644446	c 14	N71-24693* #	US-PATENT-APPL-SN-664091	c 43	N79-17288* #
US-PATENT-APPL-SN-627257	c 08	N71-12504* #	US-PATENT-APPL-SN-644447	c 14	N71-24234* #	US-PATENT-APPL-SN-665032	c 74	N77-22950* #
US-PATENT-APPL-SN-627599	c 18	N71-16046* #	US-PATENT-APPL-SN-644448	c 17	N69-25147* #	US-PATENT-APPL-SN-665033	c 20	N77-20162* #
US-PATENT-APPL-SN-628094	c 16	N71-20400* #	US-PATENT-APPL-SN-644799	c 17	N71-15468* #	US-PATENT-APPL-SN-665209	c 14	N71-23725* #
US-PATENT-APPL-SN-628221	c 07	N78-18066* #	US-PATENT-APPL-SN-645500	c 74	N77-28932* #	US-PATENT-APPL-SN-665676	c 14	N71-19568* #
US-PATENT-APPL-SN-628246	c 15	N71-17687* #	US-PATENT-APPL-SN-645502	c 24	N79-25143* #	US-PATENT-APPL-SN-665679	c 15	N71-20395* #
US-PATENT-APPL-SN-628247	c 09	N69-21542* #	US-PATENT-APPL-SN-645507	c 26	N77-32280* #	US-PATENT-APPL-SN-665680	c 24	N71-16213* #
US-PATENT-APPL-SN-628248	c 14	N69-27432* #	US-PATENT-APPL-SN-645508	c 44	N77-14580* #	US-PATENT-APPL-SN-665681	c 15	N71-18616* #
US-PATENT-APPL-SN-629456	c 37	N77-14479* #	US-PATENT-APPL-SN-645510	c 32	N77-30308* #	US-PATENT-APPL-SN-665734	c 35	N78-18390* #
US-PATENT-APPL-SN-629457	c 35	N77-32454* #	US-PATENT-APPL-SN-645513	c 31	N71-20396* #	US-PATENT-APPL-SN-666551	c 14	N71-23698* #
US-PATENT-APPL-SN-629458	c 35	N78-17357* #	US-PATENT-APPL-SN-645571	c 35	N77-14407* #	US-PATENT-APPL-SN-666553	c 03	N71-11055* #
US-PATENT-APPL-SN-629759	c 15	N71-16076* #	US-PATENT-APPL-SN-645573	c 24	N71-25555* #	US-PATENT-APPL-SN-666554	c 33	N71-16104* #
US-PATENT-APPL-SN-630579	c 35	N77-24454* #	US-PATENT-APPL-SN-645584	c 08	N71-12494* #	US-PATENT-APPL-SN-666555	c 07	N71-24614* #
US-PATENT-APPL-SN-630583	c 33	N77-24375* #	US-PATENT-APPL-SN-646124	c 15	N71-23817* #	US-PATENT-APPL-SN-666992	c 27	N77-30236* #
US-PATENT-APPL-SN-631341	c 60	N78-17691* #	US-PATENT-APPL-SN-646333	c 35	N80-26635* #	US-PATENT-APPL-SN-667010	c 34	N77-27345* #
US-PATENT-APPL-SN-63144								

US-PATENT-APPL-SN-668238	c 15	N71-15608* #	US-PATENT-APPL-SN-682416	c 34	N77-24423* #	US-PATENT-APPL-SN-700142	c 21	N71-14159* #
US-PATENT-APPL-SN-668241	c 15	N71-17685* #	US-PATENT-APPL-SN-682435	c 27	N77-32308* #	US-PATENT-APPL-SN-700174	c 02	N71-20570* #
US-PATENT-APPL-SN-668242	c 44	N71-27272* #	US-PATENT-APPL-SN-683073	c 44	N81-29525* #	US-PATENT-APPL-SN-70032	c 11	N73-12264* #
US-PATENT-APPL-SN-668247	c 09	N71-20445* #	US-PATENT-APPL-SN-683073	c 44	N82-28780* #	US-PATENT-APPL-SN-700467	c 52	N79-14749* #
US-PATENT-APPL-SN-668248	c 10	N71-26331* #	US-PATENT-APPL-SN-683465	c 27	N82-29451* #	US-PATENT-APPL-SN-700541	c 10	N71-25139* #
US-PATENT-APPL-SN-668249	c 03	N71-20407* #	US-PATENT-APPL-SN-683507	c 15	N71-15609* #	US-PATENT-APPL-SN-700586	c 15	N71-19570* #
US-PATENT-APPL-SN-668257	c 23	N71-16100* #	US-PATENT-APPL-SN-683606	c 09	N71-24717* #	US-PATENT-APPL-SN-700673	c 39	N77-28511* #
US-PATENT-APPL-SN-668302	c 07	N71-12390* #	US-PATENT-APPL-SN-683612	c 01	N69-39981* #	US-PATENT-APPL-SN-700984	c 11	N71-19494* #
US-PATENT-APPL-SN-668751	c 06	N71-11237* #	US-PATENT-APPL-SN-683613	c 15	N71-15610* #	US-PATENT-APPL-SN-700985	c 15	N69-23190* #
US-PATENT-APPL-SN-668755	c 05	N71-17693* #	US-PATENT-APPL-SN-684005	c 07	N80-26298* #	US-PATENT-APPL-SN-700986	c 12	N71-26387* #
US-PATENT-APPL-SN-668771	c 35	N78-32397* #	US-PATENT-APPL-SN-684083	c 09	N71-24596* #	US-PATENT-APPL-SN-700987	c 09	N71-19610* #
US-PATENT-APPL-SN-668783	c 28	N80-10374* #	US-PATENT-APPL-SN-684171	c 26	N78-18183* #	US-PATENT-APPL-SN-701244	c 05	N72-20096* #
US-PATENT-APPL-SN-668968	c 09	N71-12515* #	US-PATENT-APPL-SN-684178	c 15	N71-23812* #	US-PATENT-APPL-SN-701448	c 52	N78-10686* #
US-PATENT-APPL-SN-668969	c 08	N71-19288* #	US-PATENT-APPL-SN-684209	c 10	N71-19418* #	US-PATENT-APPL-SN-701635	c 12	N71-17578* #
US-PATENT-APPL-SN-668971	c 07	N78-33101* #	US-PATENT-APPL-SN-684807	c 75	N78-27913* #	US-PATENT-APPL-SN-701654	c 03	N71-11049* #
US-PATENT-APPL-SN-669336	c 15	N71-17651* #	US-PATENT-APPL-SN-684894	c 17	N71-26773* #	US-PATENT-APPL-SN-701679	c 02	N71-19287* #
US-PATENT-APPL-SN-669911	c 33	N78-17295* #	US-PATENT-APPL-SN-685027	c 25	N78-10225* #	US-PATENT-APPL-SN-701679	c 07	N73-20174* #
US-PATENT-APPL-SN-669928	c 44	N77-22607* #	US-PATENT-APPL-SN-685463	c 15	N71-23254* #	US-PATENT-APPL-SN-701732	c 24	N71-16095* #
US-PATENT-APPL-SN-670814	c 03	N71-19545* #	US-PATENT-APPL-SN-685473	c 17	N71-16044* #	US-PATENT-APPL-SN-701733	c 10	N71-24844* #
US-PATENT-APPL-SN-670829	c 28	N72-23809* #	US-PATENT-APPL-SN-685497	c 07	N69-39974* #	US-PATENT-APPL-SN-701744	c 21	N71-13958* #
US-PATENT-APPL-SN-672209	c 52	N82-22875* #	US-PATENT-APPL-SN-685748	c 07	N71-11282* #	US-PATENT-APPL-SN-701767	c 07	N71-26101* #
US-PATENT-APPL-SN-672210	c 25	N78-10224* #	US-PATENT-APPL-SN-685750	c 27	N71-16392* #	US-PATENT-APPL-SN-702115	c 71	N79-14871* #
US-PATENT-APPL-SN-672219	c 37	N80-28711* #	US-PATENT-APPL-SN-685764	c 14	N69-27459* #	US-PATENT-APPL-SN-702396	c 31	N71-16345* #
US-PATENT-APPL-SN-672219	c 37	N81-26447* #	US-PATENT-APPL-SN-685766	c 15	N69-21824* #	US-PATENT-APPL-SN-702911	c 15	N71-24875* #
US-PATENT-APPL-SN-672220	c 31	N78-17237* #	US-PATENT-APPL-SN-685787	c 14	N71-18625* #	US-PATENT-APPL-SN-702967	c 06	N71-24739* #
US-PATENT-APPL-SN-672221	c 07	N78-27121* #	US-PATENT-APPL-SN-686209	c 15	N71-23809* #	US-PATENT-APPL-SN-703107	c 37	N77-22479* #
US-PATENT-APPL-SN-672222	c 07	N78-25090* #	US-PATENT-APPL-SN-686248	c 14	N71-26774* #	US-PATENT-APPL-SN-703905	c 32	N80-14281* #
US-PATENT-APPL-SN-672223	c 51	N78-27733* #	US-PATENT-APPL-SN-686296	c 18	N71-14014* #	US-PATENT-APPL-SN-704180	c 36	N78-27402* #
US-PATENT-APPL-SN-672382	c 15	N71-23815* #	US-PATENT-APPL-SN-686331	c 38	N78-32447* #	US-PATENT-APPL-SN-704224	c 18	N71-15469* #
US-PATENT-APPL-SN-672383	c 15	N71-24045* #	US-PATENT-APPL-SN-686344	c 15	N71-17688* #	US-PATENT-APPL-SN-704299	c 10	N71-26577* #
US-PATENT-APPL-SN-672384	c 15	N71-27067* #	US-PATENT-APPL-SN-686449	c 34	N78-18355* #	US-PATENT-APPL-SN-704420	c 05	N71-11202* #
US-PATENT-APPL-SN-672388	c 26	N72-17820* #	US-PATENT-APPL-SN-686796	c 15	N70-33311* #	US-PATENT-APPL-SN-704446	c 10	N71-33407* #
US-PATENT-APPL-SN-672636	c 37	N79-11405* #	US-PATENT-APPL-SN-686933	c 14	N71-17588* #	US-PATENT-APPL-SN-704465	c 07	N71-24741* #
US-PATENT-APPL-SN-672695	c 27	N78-17206* #	US-PATENT-APPL-SN-687251	c 52	N79-12694* #	US-PATENT-APPL-SN-704468	c 25	N79-28253* #
US-PATENT-APPL-SN-672815	c 37	N77-23482* #	US-PATENT-APPL-SN-687822	c 44	N78-14625* #	US-PATENT-APPL-SN-704668	c 10	N71-12554* #
US-PATENT-APPL-SN-673226	c 08	N71-12502* #	US-PATENT-APPL-SN-688742	c 15	N71-20441* #	US-PATENT-APPL-SN-706013	c 33	N71-27862* #
US-PATENT-APPL-SN-673227	c 11	N71-24964* #	US-PATENT-APPL-SN-688743	c 15	N71-20393* #	US-PATENT-APPL-SN-706073	c 76	N79-11920* #
US-PATENT-APPL-SN-673228	c 07	N71-19433* #	US-PATENT-APPL-SN-688805	c 14	N71-17701* #	US-PATENT-APPL-SN-706424	c 27	N78-32256* #
US-PATENT-APPL-SN-673229	c 33	N71-15641* #	US-PATENT-APPL-SN-688807	c 03	N71-23239* #	US-PATENT-APPL-SN-706424	c 27	N80-10358* #
US-PATENT-APPL-SN-674194	c 27	N78-17215* #	US-PATENT-APPL-SN-688852	c 44	N78-28594* #	US-PATENT-APPL-SN-706424	c 27	N80-24438* #
US-PATENT-APPL-SN-674195	c 74	N78-17866* #	US-PATENT-APPL-SN-688854	c 54	N77-32722* #	US-PATENT-APPL-SN-706425	c 33	N78-10376* #
US-PATENT-APPL-SN-674355	c 14	N71-20429* #	US-PATENT-APPL-SN-688856	c 54	N78-32720* #	US-PATENT-APPL-SN-706564	c 14	N71-17587* #
US-PATENT-APPL-SN-674356	c 14	N71-23699* #	US-PATENT-APPL-SN-688868	c 15	N71-17686* #	US-PATENT-APPL-SN-707124	c 44	N77-22606* #
US-PATENT-APPL-SN-674357	c 05	N71-12351* #	US-PATENT-APPL-SN-689455	c 54	N74-32546* #	US-PATENT-APPL-SN-707125	c 39	N78-16387* #
US-PATENT-APPL-SN-674700	c 27	N77-31308* #	US-PATENT-APPL-SN-690163	c 14	N71-18465* #	US-PATENT-APPL-SN-707440	c 06	N73-30102* #
US-PATENT-APPL-SN-675238	c 10	N71-26374* #	US-PATENT-APPL-SN-690172	c 11	N72-22245* #	US-PATENT-APPL-SN-707495	c 11	N71-18773* #
US-PATENT-APPL-SN-675328	c 35	N78-15461* #	US-PATENT-APPL-SN-690815	c 32	N77-24328* #	US-PATENT-APPL-SN-708658	c 33	N77-26385* #
US-PATENT-APPL-SN-675351	c 35	N78-10429* #	US-PATENT-APPL-SN-690816	c 37	N78-25426* #	US-PATENT-APPL-SN-708660	c 34	N78-27357* #
US-PATENT-APPL-SN-676012	c 05	N71-11193* #	US-PATENT-APPL-SN-690997	c 16	N71-24828* #	US-PATENT-APPL-SN-708771	c 26	N78-24333* #
US-PATENT-APPL-SN-676375	c 14	N71-18483* #	US-PATENT-APPL-SN-690998	c 30	N71-15990* #	US-PATENT-APPL-SN-708795	c 37	N77-28487* #
US-PATENT-APPL-SN-676386	c 08	N71-12507* #	US-PATENT-APPL-SN-691046	c 36	N77-25501* #	US-PATENT-APPL-SN-708796	c 36	N78-18410* #
US-PATENT-APPL-SN-676387	c 10	N71-25950* #	US-PATENT-APPL-SN-691256	c 35	N77-31465* #	US-PATENT-APPL-SN-708800	c 54	N78-17676* #
US-PATENT-APPL-SN-676391	c 21	N71-11766* #	US-PATENT-APPL-SN-691647	c 52	N82-11770* #	US-PATENT-APPL-SN-708951	c 27	N78-31232* #
US-PATENT-APPL-SN-676432	c 28	N78-24365* #	US-PATENT-APPL-SN-691735	c 09	N71-12520* #	US-PATENT-APPL-SN-709398	c 06	N71-13461* #
US-PATENT-APPL-SN-676432	c 28	N80-20402* #	US-PATENT-APPL-SN-691736	c 18	N71-16210* #	US-PATENT-APPL-SN-709399	c 16	N71-26154* #
US-PATENT-APPL-SN-676432	c 28	N81-14103* #	US-PATENT-APPL-SN-691737	c 07	N71-24742* #	US-PATENT-APPL-SN-709415	c 44	N78-27515* #
US-PATENT-APPL-SN-676433	c 52	N77-28716* #	US-PATENT-APPL-SN-691738	c 08	N71-18694* #	US-PATENT-APPL-SN-709622	c 33	N71-24858* #
US-PATENT-APPL-SN-676957	c 32	N77-18307* #	US-PATENT-APPL-SN-691739	c 32	N71-15974* #	US-PATENT-APPL-SN-70967	c 07	N73-13149* #
US-PATENT-APPL-SN-676958	c 54	N76-22914* #	US-PATENT-APPL-SN-691909	c 05	N71-24606* #	US-PATENT-APPL-SN-70967	c 32	N74-10132* #
US-PATENT-APPL-SN-676958	c 52	N81-25661* #	US-PATENT-APPL-SN-691936	c 26	N77-32279* #	US-PATENT-APPL-SN-709849	c 52	N77-25772* #
US-PATENT-APPL-SN-67730	c 15	N73-13463* #	US-PATENT-APPL-SN-692029	c 15	N72-21463* #	US-PATENT-APPL-SN-710032	c 54	N77-30749* #
US-PATENT-APPL-SN-677351	c 35	N77-32455* #	US-PATENT-APPL-SN-692284	c 27	N78-14164* #	US-PATENT-APPL-SN-710035	c 44	N78-24608* #
US-PATENT-APPL-SN-677352	c 43	N78-10529* #	US-PATENT-APPL-SN-692331	c 10	N71-26326* #	US-PATENT-APPL-SN-710036	c 44	N78-32539* #
US-PATENT-APPL-SN-677353	c 52	N78-14773* #	US-PATENT-APPL-SN-692332	c 07	N71-11281* #	US-PATENT-APPL-SN-71047	c 09	N72-21247* #
US-PATENT-APPL-SN-677475	c 32	N71-26681* #	US-PATENT-APPL-SN-692413	c 25	N78-25148* #	US-PATENT-APPL-SN-71048	c 18	N73-12604* #
US-PATENT-APPL-SN-677476	c 14	N71-17586* #	US-PATENT-APPL-SN-692414	c 32	N77-24331* #	US-PATENT-APPL-SN-710533	c 02	N71-11043* #
US-PATENT-APPL-SN-677505	c 09	N71-13521* #	US-PATENT-APPL-SN-692471	c 09	N71-12518* #	US-PATENT-APPL-SN-710561	c 09	N71-12517* #
US-PATENT-APPL-SN-677506	c 16	N71-15567* #	US-PATENT-APPL-SN-692636	c 27	N81-24258* #	US-PATENT-APPL-SN-710562	c 31	N71-16085* #
US-PATENT-APPL-SN-677508	c 16	N71-15551* #	US-PATENT-APPL-SN-693074	c 44	N78-24609* #	US-PATENT-APPL-SN-710621	c 06	N73-27086* #
US-PATENT-APPL-SN-67815	c 28	N72-22771* #	US-PATENT-APPL-SN-693419	c 31	N71-16222* #	US-PATENT-APPL-SN-710945	c 33	N71-15568* #
US-PATENT-APPL-SN-678520	c 20	N78-24275* #	US-PATENT-APPL-SN-693420	c 31	N71-16080* #	US-PATENT-APPL-SN-710949	c 12	N71-17631* #
US-PATENT-APPL-SN-678700	c 05	N71-19439* #	US-PATENT-APPL-SN-694246	c 15	N71-26673* #	US-PATENT-APPL-SN-711898	c 18	N71-24934* #
US-PATENT-APPL-SN-678813	c 33	N81-29342* #	US-PATENT-APPL-SN-694247	c 09	N69-21927* #	US-PATENT-APPL-SN-711903	c 18	N71-26772* #
US-PATENT-APPL-SN-679055	c 08	N71-24633* #	US-PATENT-APPL-SN-694317	c 12	N71-20436* #	US-PATENT-APPL-SN-711921	c 18	N71-16105* #
US-PATENT-APPL-SN-679862	c 20	N71-16340* #	US-PATENT-APPL-SN-694340	c 11	N71-17800* #	US-PATENT-APPL-SN-711970	c 09	N71-18830* #
US-PATENT-APPL-SN-679885	c 09	N71-12521* #	US-PATENT-APPL-SN-694345	c 10	N71-23669* #	US-PATENT-APPL-SN-711971	c 09	N71-23598* #
US-PATENT-APPL-SN-679980	c 44	N82-24642* #	US-PATENT-APPL-SN-694406	c 35	N79-10389* #	US-PATENT-APPL-SN-711972	c 06	N71-24607* #
US-PATENT-APPL-SN-679987	c 44	N82-24644* #	US-PATENT-APPL-SN-694407	c 27	N80-23452* #	US-PATENT-APPL-SN-712065	c 08	N71-12503* #
US-PATENT-APPL-SN-679996	c 44	N82-24643* #	US-PATENT-APPL-SN-694855	c 33	N77-30365* #	US-PATENT-APPL-SN-712099	c 23	N71-24868* #
US-PATENT-APPL-SN-680015	c 52	N79-14750* #	US-PATENT-APPL-SN-694888	c 23	N75-14834* #	US-PATENT-APPL-SN-712270	c 52	N79-27836* #
US-PATENT-APPL-SN-680048	c 44	N82-24641* #	US-PATENT-APPL-SN-695513	c 07	N78-25089* #	US-PATENT-APPL-SN-712419	c 35	N78-14364* #
US-PATENT-APPL-SN-680067	c 07	N77-27116* #	US-PATENT-APPL-SN-695973	c 05	N71-12343* #	US-PATENT-APPL-SN-712658	c 07	N71-19773* #
US-PATENT-APPL-SN-68023	c 05	N72-33096* #	US-PATENT-APPL-SN-696374	c 44	N80-29835* #	US-PATENT-APPL-SN-712981	c 31	N78-25256* #
US-PATENT-APPL-SN-68024	c 17	N72-22535* #	US-PATENT-APPL-SN-696679	c 38	N79-14398* #	US-PATENT-APPL-SN-713027	c 37	N79-10419* #
US-PATENT-APPL-SN-680938	c 74	N77-26942* #	US-PATENT-APPL-SN-696989	c 27	N77-30237* #	US-PATENT-APPL-SN-713162	c 06	N71-26754* #
US-PATENT-APPL-SN-680939	c 44	N78-10554* #	US-PATENT-APPL-SN-697075	c 15	N71-27184* #	US-PATENT-APPL-SN-713188	c 08	N71-33110* #
US-PATENT-APPL-SN-680957	c 35	N77-27366* #	US-PATENT-APPL-SN-697341	c 09	N71-23186* #	US-PATENT-APPL-SN-713616	c 06	N71-27363* #
US-PATENT-APPL-SN-680958	c 74	N78-18905* #	US-PATENT-APPL-SN-698239	c 33	N78-17294* #	US-PATENT-APPL-SN-714158	c 33	N78-13320* #
US-PATENT-APPL-SN-681000	c 34	N78-25350* #	US-PATENT-APPL-SN-698592	c 15	N71-18580* #	US-PATENT-APPL-SN-714296	c 14	N71-15604* #

US-PATENT-APPL-SN-717052

REPORT NUMBER INDEX

US-PATENT-APPL-SN-717052	c 14	N71-17626*	US-PATENT-APPL-SN-740156	c 71	N78-14867* #	US-PATENT-APPL-SN-760819	c 14	N70-34820* #
US-PATENT-APPL-SN-717319	c 44	N77-31601* #	US-PATENT-APPL-SN-740457	c 35	N78-32395* #	US-PATENT-APPL-SN-760927	c 26	N71-25490* #
US-PATENT-APPL-SN-717320	c 44	N78-15560* #	US-PATENT-APPL-SN-741056	c 07	N81-19116* #	US-PATENT-APPL-SN-760928	c 15	N71-28582* #
US-PATENT-APPL-SN-717822	c 09	N71-25866* #	US-PATENT-APPL-SN-741461	c 12	N71-18603* #	US-PATENT-APPL-SN-761007	c 18	N71-26155* #
US-PATENT-APPL-SN-718095	c 28	N70-39899* #	US-PATENT-APPL-SN-741749	c 52	N79-14751* #	US-PATENT-APPL-SN-761252	c 27	N80-32515* #
US-PATENT-APPL-SN-718137	c 44	N78-31527* #	US-PATENT-APPL-SN-741824	c 07	N71-12389* #	US-PATENT-APPL-SN-761404	c 09	N71-12526* #
US-PATENT-APPL-SN-718244	c 05	N78-32086* #	US-PATENT-APPL-SN-742034	c 33	N78-10377* #	US-PATENT-APPL-SN-762362	c 44	N79-24433* #
US-PATENT-APPL-SN-718266	c 74	N78-17867* #	US-PATENT-APPL-SN-742816	c 14	N71-17656* #	US-PATENT-APPL-SN-762363	c 44	N79-24432* #
US-PATENT-APPL-SN-718267	c 26	N77-29260* #	US-PATENT-APPL-SN-743249	c 35	N77-32456* #	US-PATENT-APPL-SN-762438	c 12	N71-17569* #
US-PATENT-APPL-SN-718268	c 44	N78-33526* #	US-PATENT-APPL-SN-743429	c 07	N71-11285* #	US-PATENT-APPL-SN-762935	c 14	N71-29041* #
US-PATENT-APPL-SN-718279	c 15	N71-26312* #	US-PATENT-APPL-SN-743525	c 07	N71-28430* #	US-PATENT-APPL-SN-762936	c 31	N69-27499* #
US-PATENT-APPL-SN-718689	c 14	N71-17655* #	US-PATENT-APPL-SN-744477	c 33	N78-25319* #	US-PATENT-APPL-SN-762956	c 14	N71-26627* #
US-PATENT-APPL-SN-718752	c 03	N71-18698* #	US-PATENT-APPL-SN-744522	c 33	N77-21314* #	US-PATENT-APPL-SN-762957	c 08	N71-27210* #
US-PATENT-APPL-SN-718769	c 14	N71-17662* #	US-PATENT-APPL-SN-744573	c 44	N78-25531* #	US-PATENT-APPL-SN-763040	c 14	N72-28438* #
US-PATENT-APPL-SN-719029	c 14	N71-27186* #	US-PATENT-APPL-SN-744574	c 25	N78-14104* #	US-PATENT-APPL-SN-763355	c 06	N71-28620* #
US-PATENT-APPL-SN-719173	c 28	N70-33331* #	US-PATENT-APPL-SN-744577	c 35	N79-10391* #	US-PATENT-APPL-SN-763684	c 15	N72-16329* #
US-PATENT-APPL-SN-719869	c 31	N71-15676* #	US-PATENT-APPL-SN-744910	c 15	N71-17649* #	US-PATENT-APPL-SN-763685	c 15	N71-24910* #
US-PATENT-APPL-SN-719870	c 07	N71-26292* #	US-PATENT-APPL-SN-745337	c 28	N72-20758* #	US-PATENT-APPL-SN-763705	c 09	N71-18720* #
US-PATENT-APPL-SN-720041	c 05	N71-27234* #	US-PATENT-APPL-SN-745384	c 25	N79-11151* #	US-PATENT-APPL-SN-763706	c 15	N71-24896* #
US-PATENT-APPL-SN-720125	c 09	N71-12539* #	US-PATENT-APPL-SN-745766	c 37	N79-11403* #	US-PATENT-APPL-SN-763729	c 12	N71-26546* #
US-PATENT-APPL-SN-72024	c 09	N73-12211* #	US-PATENT-APPL-SN-745852	c 12	N71-17661* #	US-PATENT-APPL-SN-763743	c 14	N72-21409* #
US-PATENT-APPL-SN-720521	c 44	N78-25530* #	US-PATENT-APPL-SN-746269	c 44	N78-25528* #	US-PATENT-APPL-SN-763744	c 10	N72-27246* #
US-PATENT-APPL-SN-720546	c 18	N72-17532* #	US-PATENT-APPL-SN-746578	c 12	N79-26075* #	US-PATENT-APPL-SN-763753	c 43	N78-14452* #
US-PATENT-APPL-SN-721150	c 37	N78-17383* #	US-PATENT-APPL-SN-746579	c 33	N81-27397* #	US-PATENT-APPL-SN-763868	c 15	N71-24679* #
US-PATENT-APPL-SN-721607	c 18	N71-25881* #	US-PATENT-APPL-SN-746580	c 34	N78-17335* #	US-PATENT-APPL-SN-763869	c 17	N71-16393* #
US-PATENT-APPL-SN-723264	c 24	N78-10214* #	US-PATENT-APPL-SN-74759	c 14	N78-20478* #	US-PATENT-APPL-SN-764245	c 24	N80-33482* #
US-PATENT-APPL-SN-723264	c 24	N78-17149* #	US-PATENT-APPL-SN-747674	c 27	N80-26446* #	US-PATENT-APPL-SN-764252	c 14	N71-25901* #
US-PATENT-APPL-SN-723465	c 15	N72-29488* #	US-PATENT-APPL-SN-747675	c 37	N78-31426* #	US-PATENT-APPL-SN-764470	c 16	N71-28554* #
US-PATENT-APPL-SN-723465	c 37	N74-15125* #	US-PATENT-APPL-SN-748661	c 27	N72-25699* #	US-PATENT-APPL-SN-764812	c 10	N71-19468* #
US-PATENT-APPL-SN-723476	c 05	N71-12341* #	US-PATENT-APPL-SN-748662	c 27	N73-16764* #	US-PATENT-APPL-SN-764823	c 33	N78-17296* #
US-PATENT-APPL-SN-723488	c 09	N71-28691* #	US-PATENT-APPL-SN-749121	c 07	N72-11149* #	US-PATENT-APPL-SN-765123	c 31	N71-15687* #
US-PATENT-APPL-SN-723804	c 09	N71-24806* #	US-PATENT-APPL-SN-749148	c 10	N71-19421* #	US-PATENT-APPL-SN-765138	c 44	N79-10513* #
US-PATENT-APPL-SN-723805	c 10	N71-26339* #	US-PATENT-APPL-SN-749149	c 15	N71-24893* #	US-PATENT-APPL-SN-765139	c 44	N78-31256* #
US-PATENT-APPL-SN-723827	c 10	N71-27137* #	US-PATENT-APPL-SN-749181	c 09	N71-24803* #	US-PATENT-APPL-SN-765165	c 32	N79-11264* #
US-PATENT-APPL-SN-724551	c 15	N71-17696* #	US-PATENT-APPL-SN-749320	c 14	N72-22443* #	US-PATENT-APPL-SN-765167	c 32	N79-10263* #
US-PATENT-APPL-SN-724874	c 75	N78-24950* #	US-PATENT-APPL-SN-749420	c 04	N82-16059* #	US-PATENT-APPL-SN-765264	c 02	N71-29128* #
US-PATENT-APPL-SN-725405	c 15	N71-26134* #	US-PATENT-APPL-SN-749548	c 10	N71-33129* #	US-PATENT-APPL-SN-765738	c 03	N71-11057* #
US-PATENT-APPL-SN-725432	c 07	N71-24622* #	US-PATENT-APPL-SN-750031	c 05	N73-32012* #	US-PATENT-APPL-SN-766170	c 07	N71-24625* #
US-PATENT-APPL-SN-725475	c 31	N71-15643* #	US-PATENT-APPL-SN-750235	c 25	N75-14844* #	US-PATENT-APPL-SN-766244	c 15	N71-26721* #
US-PATENT-APPL-SN-725719	c 15	N71-26243* #	US-PATENT-APPL-SN-750655	c 74	N78-32854* #	US-PATENT-APPL-SN-766245	c 14	N71-27215* #
US-PATENT-APPL-SN-726898	c 12	N71-17579* #	US-PATENT-APPL-SN-750786	c 07	N71-27341* #	US-PATENT-APPL-SN-766697	c 09	N71-33519* #
US-PATENT-APPL-SN-727444	c 31	N81-15154* #	US-PATENT-APPL-SN-750787	c 10	N71-27126* #	US-PATENT-APPL-SN-7668	c 15	N71-26611* #
US-PATENT-APPL-SN-727480	c 14	N71-17658* #	US-PATENT-APPL-SN-750792	c 37	N79-11402* #	US-PATENT-APPL-SN-766999	c 33	N80-23559* #
US-PATENT-APPL-SN-727503	c 08	N81-19130* #	US-PATENT-APPL-SN-750798	c 85	N79-17747* #	US-PATENT-APPL-SN-7669	c 31	N72-18859* #
US-PATENT-APPL-SN-728234	c 03	N71-12255* #	US-PATENT-APPL-SN-751061	c 18	N71-29040* #	US-PATENT-APPL-SN-767741	c 09	N72-27228* #
US-PATENT-APPL-SN-728369	c 52	N76-33835* #	US-PATENT-APPL-SN-751198	c 03	N71-24718* #	US-PATENT-APPL-SN-767911	c 09	N78-31129* #
US-PATENT-APPL-SN-729299	c 03	N72-15986* #	US-PATENT-APPL-SN-751215	c 22	N72-20597* #	US-PATENT-APPL-SN-767912	c 27	N79-14214* #
US-PATENT-APPL-SN-730045	c 32	N78-24391* #	US-PATENT-APPL-SN-751266	c 15	N71-30517* #	US-PATENT-APPL-SN-768336	c 15	N71-17648* #
US-PATENT-APPL-SN-730046	c 35	N78-32396* #	US-PATENT-APPL-SN-752050	c 07	N81-19115* #	US-PATENT-APPL-SN-768470	c 09	N71-28421* #
US-PATENT-APPL-SN-730162	c 09	N71-18599* #	US-PATENT-APPL-SN-752729	c 09	N71-26787* #	US-PATENT-APPL-SN-768473	c 14	N71-17657* #
US-PATENT-APPL-SN-730468	c 25	N79-11152* #	US-PATENT-APPL-SN-752748	c 35	N78-25391* #	US-PATENT-APPL-SN-768662	c 07	N73-25160* #
US-PATENT-APPL-SN-730700	c 07	N71-24583* #	US-PATENT-APPL-SN-752946	c 15	N71-29032* #	US-PATENT-APPL-SN-768795	c 33	N79-10339* #
US-PATENT-APPL-SN-730701	c 12	N71-18615* #	US-PATENT-APPL-SN-752947	c 31	N71-15689* #	US-PATENT-APPL-SN-768942	c 46	N74-23068* #
US-PATENT-APPL-SN-730702	c 33	N71-16356* #	US-PATENT-APPL-SN-753103	c 37	N80-14397* #	US-PATENT-APPL-SN-76899	c 09	N72-22201* #
US-PATENT-APPL-SN-730703	c 10	N71-13537* #	US-PATENT-APPL-SN-753452	c 07	N79-14096* #	US-PATENT-APPL-SN-769148	c 52	N79-10724* #
US-PATENT-APPL-SN-730733	c 28	N71-16224* #	US-PATENT-APPL-SN-753964	c 24	N78-27180* #	US-PATENT-APPL-SN-769149	c 33	N78-32339* #
US-PATENT-APPL-SN-730734	c 15	N71-17654* #	US-PATENT-APPL-SN-753965	c 54	N78-31735* #	US-PATENT-APPL-SN-769592	c 15	N72-16330* #
US-PATENT-APPL-SN-730778	c 32	N79-10264* #	US-PATENT-APPL-SN-753965	c 54	N79-24651* #	US-PATENT-APPL-SN-769665	c 15	N72-11387* #
US-PATENT-APPL-SN-731388	c 15	N71-24835* #	US-PATENT-APPL-SN-753974	c 16	N71-33410* #	US-PATENT-APPL-SN-769788	c 07	N71-11300* #
US-PATENT-APPL-SN-732455	c 22	N71-28759* #	US-PATENT-APPL-SN-753976	c 54	N78-17675* #	US-PATENT-APPL-SN-770203	c 05	N71-11195* #
US-PATENT-APPL-SN-732630	c 36	N78-14380* #	US-PATENT-APPL-SN-753977	c 74	N79-12890* #	US-PATENT-APPL-SN-770209	c 08	N71-27057* #
US-PATENT-APPL-SN-73283	c 15	N72-28495* #	US-PATENT-APPL-SN-753978	c 54	N78-32721* #	US-PATENT-APPL-SN-770371	c 15	N71-24599* #
US-PATENT-APPL-SN-732917	c 14	N71-17575* #	US-PATENT-APPL-SN-754019	c 09	N71-25999* #	US-PATENT-APPL-SN-770398	c 06	N71-27254* #
US-PATENT-APPL-SN-732921	c 10	N71-26544* #	US-PATENT-APPL-SN-754020	c 12	N71-27332* #	US-PATENT-APPL-SN-770398	c 06	N72-27144* #
US-PATENT-APPL-SN-732922	c 17	N71-28747* #	US-PATENT-APPL-SN-754055	c 07	N71-24624* #	US-PATENT-APPL-SN-770417	c 06	N73-33076* #
US-PATENT-APPL-SN-733039	c 07	N72-12081* #	US-PATENT-APPL-SN-754066	c 39	N78-15512* #	US-PATENT-APPL-SN-770425	c 06	N72-20121* #
US-PATENT-APPL-SN-73310	c 09	N72-25247* #	US-PATENT-APPL-SN-75431	c 21	N72-31637* #	US-PATENT-APPL-SN-770869	c 44	N78-25527* #
US-PATENT-APPL-SN-73367	c 14	N71-15969* #	US-PATENT-APPL-SN-755310	c 25	N78-15210* #	US-PATENT-APPL-SN-771216	c 14	N72-17329* #
US-PATENT-APPL-SN-733825	c 31	N79-11246* #	US-PATENT-APPL-SN-755323	c 74	N79-11865* #	US-PATENT-APPL-SN-771245	c 27	N81-10476* #
US-PATENT-APPL-SN-73422	c 15	N72-25454* #	US-PATENT-APPL-SN-756260	c 23	N71-26722* #	US-PATENT-APPL-SN-771523	c 10	N71-18772* #
US-PATENT-APPL-SN-734805	c 14	N70-34816* #	US-PATENT-APPL-SN-756266	c 15	N71-26145* #	US-PATENT-APPL-SN-771530	c 09	N72-12136* #
US-PATENT-APPL-SN-734901	c 27	N78-17205* #	US-PATENT-APPL-SN-756381	c 06	N71-25929* #	US-PATENT-APPL-SN-77169	c 14	N72-21408* #
US-PATENT-APPL-SN-734902	c 24	N78-14096* #	US-PATENT-APPL-SN-756511	c 09	N71-27016* #	US-PATENT-APPL-SN-771759	c 09	N71-29008* #
US-PATENT-APPL-SN-735911	c 14	N70-41946* #	US-PATENT-APPL-SN-756834	c 15	N72-21466* #	US-PATENT-APPL-SN-771760	c 10	N71-25917* #
US-PATENT-APPL-SN-736286	c 32	N79-11265* #	US-PATENT-APPL-SN-757017	c 35	N77-21393* #	US-PATENT-APPL-SN-771803	c 07	N71-12391* #
US-PATENT-APPL-SN-736848	c 23	N71-16212* #	US-PATENT-APPL-SN-757625	c 09	N71-26701* #	US-PATENT-APPL-SN-771937	c 10	N71-24862* #
US-PATENT-APPL-SN-736909	c 37	N79-11404* #	US-PATENT-APPL-SN-757857	c 10	N71-25900* #	US-PATENT-APPL-SN-772006	c 17	N71-33408* #
US-PATENT-APPL-SN-736910	c 27	N78-32260* #	US-PATENT-APPL-SN-757861	c 05	N71-11194* #	US-PATENT-APPL-SN-772165	c 74	N79-13855* #
US-PATENT-APPL-SN-737974	c 33	N78-18308* #	US-PATENT-APPL-SN-757875	c 09	N71-24805* #	US-PATENT-APPL-SN-772167	c 25	N79-22235* #
US-PATENT-APPL-SN-738119	c 18	N71-15545* #	US-PATENT-APPL-SN-758082	c 15	N71-17805* #	US-PATENT-APPL-SN-772168	c 37	N79-20377* #
US-PATENT-APPL-SN-738218	c 37	N78-27425* #	US-PATENT-APPL-SN-758390	c 28	N71-26642* #	US-PATENT-APPL-SN-77220	c 14	N72-27409* #
US-PATENT-APPL-SN-738314	c 12	N71-17573* #	US-PATENT-APPL-SN-758540	c 28	N73-27699* #	US-PATENT-APPL-SN-77221	c 08	N72-25210* #
US-PATENT-APPL-SN-738315	c 14	N71-27334* #	US-PATENT-APPL-SN-758721	c 52	N79-18580* #	US-PATENT-APPL-SN-772434	c 52	N80-14687* #
US-PATENT-APPL-SN-738315	c 14	N72-31446* #	US-PATENT-APPL-SN-758942	c 27	N71-14090* #	US-PATENT-APPL-SN-77251	c 25	N70-41628* #
US-PATENT-APPL-SN-73834	c 15	N72-23497* #	US-PATENT-APPL-SN-759220	c 27	N78-17214* #	US-PATENT-APPL-SN-77252	c 02	N70-37939* #
US-PATENT-APPL-SN-739072	c 33	N75-27251* #	US-PATENT-APPL-SN-759256	c 07	N71-27233* #	US-PATENT-APPL-SN-77256	c 15	N70-33323* #
US-PATENT-APPL-SN-73922	c 14	N73-25461* #	US-PATENT-APPL-SN-759457	c 33	N71-16357* #	US-PATENT-APPL-SN-773029	c 09	N71-24893* #
US-PATENT-APPL-SN-73932	c 15	N72-22485* #	US-PATENT-APPL-SN-759460	c 09	N71-24597* #	US-PATENT-APPL-SN-773072	c 10	N72-28241* #
US-PATENT-APPL-SN-739391	c 09	N72-17156* #	US-PATENT-APPL-SN-759665	c 14	N71-18481* #	US-PATENT-APPL-SN-773530	c 25	N75-29192* #
US-PATENT-APPL-SN-739908	c 15	N78-25119* #	US-PATENT-APPL-SN-759965	c 52	N79-26771* #	US-PATENT-APPL-SN-774151	c 15	N71-17692* #
US-PATENT-APPL-SN-739909	c 37	N78-24545* #	US-PATENT-APPL-SN-760057</					

US-PATENT-APPL-SN-775239	c 37	N79-14382* #	US-PATENT-APPL-SN-792069	c 37	N79-10418* #	US-PATENT-APPL-SN-811509	c 02	N70-33332*
US-PATENT-APPL-SN-775870	c 09	N71-24800*	US-PATENT-APPL-SN-792623	c 14	N72-23457* #	US-PATENT-APPL-SN-811542	c 21	N71-24948*
US-PATENT-APPL-SN-775870	c 09	N72-22196* #	US-PATENT-APPL-SN-793657	c 17	N72-28536* #	US-PATENT-APPL-SN-811815	c 44	N78-31525* #
US-PATENT-APPL-SN-775877	c 02	N71-11039* #	US-PATENT-APPL-SN-793770	c 25	N71-15562*	US-PATENT-APPL-SN-811892	c 14	N71-27090*
US-PATENT-APPL-SN-775966	c 02	N71-11037* #	US-PATENT-APPL-SN-793771	c 14	N72-22440* #	US-PATENT-APPL-SN-812447	c 71	N79-20827* #
US-PATENT-APPL-SN-776029	c 07	N79-10057* #	US-PATENT-APPL-SN-793772	c 10	N71-18722*	US-PATENT-APPL-SN-812998	c 28	N72-22769* #
US-PATENT-APPL-SN-776146	c 44	N79-17313* #	US-PATENT-APPL-SN-793823	c 09	N71-33109*	US-PATENT-APPL-SN-812999	c 05	N71-12345* #
US-PATENT-APPL-SN-776146	c 25	N82-21268* #	US-PATENT-APPL-SN-794530	c 15	N72-11386*	US-PATENT-APPL-SN-813338	c 18	N72-22566* #
US-PATENT-APPL-SN-776185	c 03	N72-22041* #	US-PATENT-APPL-SN-794968	c 15	N71-27146*	US-PATENT-APPL-SN-813488	c 15	N71-28467*
US-PATENT-APPL-SN-777764	c 15	N71-27214*	US-PATENT-APPL-SN-795182	c 07	N71-24840*	US-PATENT-APPL-SN-813494	c 08	N72-11171*
US-PATENT-APPL-SN-777765	c 15	N71-29018*	US-PATENT-APPL-SN-795217	c 33	N71-25351*	US-PATENT-APPL-SN-814004	c 33	N79-18193* #
US-PATENT-APPL-SN-777765	c 14	N73-28487* #	US-PATENT-APPL-SN-796256	c 52	N80-18691* #	US-PATENT-APPL-SN-814005	c 76	N79-14906* #
US-PATENT-APPL-SN-777766	c 31	N71-16221*	US-PATENT-APPL-SN-796258	c 52	N82-22875* #	US-PATENT-APPL-SN-814006	c 37	N79-22475* #
US-PATENT-APPL-SN-777818	c 09	N71-27364*	US-PATENT-APPL-SN-796263	c 27	N79-28307* #	US-PATENT-APPL-SN-814212	c 14	N72-17326* #
US-PATENT-APPL-SN-77786	c 14	N72-27412* #	US-PATENT-APPL-SN-796358	c 05	N72-11085*	US-PATENT-APPL-SN-814378	c 25	N79-10162* #
US-PATENT-APPL-SN-777983	c 32	N79-24210* #	US-PATENT-APPL-SN-796360	c 15	N71-24696*	US-PATENT-APPL-SN-815366	c 14	N71-28994*
US-PATENT-APPL-SN-778195	c 24	N79-16915* #	US-PATENT-APPL-SN-796370	c 10	N71-27366*	US-PATENT-APPL-SN-815367	c 14	N71-28863*
US-PATENT-APPL-SN-77869	c 37	N79-21345* #	US-PATENT-APPL-SN-796405	c 14	N71-27185*	US-PATENT-APPL-SN-815760	c 15	N71-27068*
US-PATENT-APPL-SN-779024	c 10	N71-27271*	US-PATENT-APPL-SN-796685	c 26	N72-28762* #	US-PATENT-APPL-SN-816733	c 15	N71-27084*
US-PATENT-APPL-SN-779025	c 09	N72-23171* #	US-PATENT-APPL-SN-796690	c 07	N72-21119* #	US-PATENT-APPL-SN-816988	c 14	N71-26199*
US-PATENT-APPL-SN-779160	c 14	N72-16282* #	US-PATENT-APPL-SN-796691	c 10	N71-26334*	US-PATENT-APPL-SN-817413	c 33	N79-12321* #
US-PATENT-APPL-SN-779169	c 09	N71-28618*	US-PATENT-APPL-SN-797056	c 15	N71-25975*	US-PATENT-APPL-SN-817415	c 74	N79-20857* #
US-PATENT-APPL-SN-779415	c 60	N79-20751* #	US-PATENT-APPL-SN-797057	c 15	N70-22192* #	US-PATENT-APPL-SN-817481	c 09	N72-11225*
US-PATENT-APPL-SN-779428	c 34	N78-25351* #	US-PATENT-APPL-SN-797058	c 05	N71-24738*	US-PATENT-APPL-SN-817482	c 10	N71-27338*
US-PATENT-APPL-SN-779429	c 08	N79-14108* #	US-PATENT-APPL-SN-797059	c 15	N71-28465*	US-PATENT-APPL-SN-817569	c 06	N69-31244* #
US-PATENT-APPL-SN-779847	c 15	N71-27091*	US-PATENT-APPL-SN-797210	c 28	N78-31255* #	US-PATENT-APPL-SN-818349	c 21	N71-19212*
US-PATENT-APPL-SN-779871	c 33	N79-20314* #	US-PATENT-APPL-SN-797219	c 03	N71-33409*	US-PATENT-APPL-SN-818916	c 05	N79-17847* #
US-PATENT-APPL-SN-779883	c 27	N79-18052* #	US-PATENT-APPL-SN-797794	c 07	N71-12396* #	US-PATENT-APPL-SN-818917	c 32	N79-13214* #
US-PATENT-APPL-SN-780064	c 15	N71-27372*	US-PATENT-APPL-SN-797795	c 07	N71-27191*	US-PATENT-APPL-SN-819029	c 20	N82-18314* #
US-PATENT-APPL-SN-780065	c 12	N71-28741*	US-PATENT-APPL-SN-797796	c 28	N71-14058*	US-PATENT-APPL-SN-819599	c 15	N71-19214*
US-PATENT-APPL-SN-780569	c 54	N78-31736* #	US-PATENT-APPL-SN-798277	c 23	N71-26654*	US-PATENT-APPL-SN-819898	c 30	N72-17873* #
US-PATENT-APPL-SN-78065	c 08	N72-22162* #	US-PATENT-APPL-SN-798976	c 52	N81-25661* #	US-PATENT-APPL-SN-8203	c 15	N70-33180*
US-PATENT-APPL-SN-780728	c 32	N78-31321* #	US-PATENT-APPL-SN-799013	c 09	N71-28468*	US-PATENT-APPL-SN-820453	c 03	N72-24037* #
US-PATENT-APPL-SN-780729	c 33	N79-22373* #	US-PATENT-APPL-SN-799023	c 37	N79-10421* #	US-PATENT-APPL-SN-820498	c 89	N79-10969* #
US-PATENT-APPL-SN-780873	c 32	N81-27341* #	US-PATENT-APPL-SN-799024	c 24	N78-17149* #	US-PATENT-APPL-SN-820499	c 76	N79-23798* #
US-PATENT-APPL-SN-780874	c 35	N78-28411* #	US-PATENT-APPL-SN-799025	c 32	N80-29539* #	US-PATENT-APPL-SN-8204	c 31	N70-37981* #
US-PATENT-APPL-SN-780938	c 54	N80-10799* #	US-PATENT-APPL-SN-799026	c 44	N79-11468* #	US-PATENT-APPL-SN-820963	c 07	N71-19854*
US-PATENT-APPL-SN-782462	c 33	N79-17133* #	US-PATENT-APPL-SN-799353	c 09	N71-27232*	US-PATENT-APPL-SN-820964	c 15	N71-28740*
US-PATENT-APPL-SN-782463	c 72	N79-13826* #	US-PATENT-APPL-SN-799832	c 33	N79-15245* #	US-PATENT-APPL-SN-820965	c 09	N71-13486* #
US-PATENT-APPL-SN-782464	c 32	N79-14267* #	US-PATENT-APPL-SN-800204	c 06	N72-17094* #	US-PATENT-APPL-SN-821586	c 26	N71-14354* #
US-PATENT-APPL-SN-782480	c 33	N78-32340* #	US-PATENT-APPL-SN-800229	c 14	N73-32320* #	US-PATENT-APPL-SN-821681	c 35	N78-27384* #
US-PATENT-APPL-SN-782481	c 44	N78-32542* #	US-PATENT-APPL-SN-800229	c 74	N74-20008* #	US-PATENT-APPL-SN-822039	c 06	N72-25149* #
US-PATENT-APPL-SN-782482	c 33	N79-11315* #	US-PATENT-APPL-SN-800973	c 16	N71-24832*	US-PATENT-APPL-SN-822088	c 15	N71-27135*
US-PATENT-APPL-SN-782544	c 14	N71-27325*	US-PATENT-APPL-SN-801290	c 37	N79-18318* #	US-PATENT-APPL-SN-822089	c 23	N72-23695* #
US-PATENT-APPL-SN-782693	c 33	N79-10337* #	US-PATENT-APPL-SN-801290	c 37	N80-26658* #	US-PATENT-APPL-SN-822090	c 16	N71-27183*
US-PATENT-APPL-SN-782955	c 07	N71-33108*	US-PATENT-APPL-SN-801290	c 37	N82-19540* #	US-PATENT-APPL-SN-822518	c 09	N71-13522* #
US-PATENT-APPL-SN-782956	c 10	N71-25865*	US-PATENT-APPL-SN-801312	c 16	N71-15565*	US-PATENT-APPL-SN-822519	c 14	N71-28992*
US-PATENT-APPL-SN-783374	c 15	N71-27147*	US-PATENT-APPL-SN-801336	c 02	N71-13422* #	US-PATENT-APPL-SN-822534	c 09	N72-11224*
US-PATENT-APPL-SN-783375	c 07	N71-24621*	US-PATENT-APPL-SN-801432	c 33	N78-32341* #	US-PATENT-APPL-SN-82279	c 03	N76-32140* #
US-PATENT-APPL-SN-783377	c 05	N71-28619*	US-PATENT-APPL-SN-801452	c 44	N79-11471* #	US-PATENT-APPL-SN-82280	c 09	N72-25262* #
US-PATENT-APPL-SN-783378	c 07	N71-19436*	US-PATENT-APPL-SN-801660	c 14	N71-26672*	US-PATENT-APPL-SN-823061	c 44	N79-23481* #
US-PATENT-APPL-SN-783379	c 15	N71-17653*	US-PATENT-APPL-SN-802812	c 10	N72-22235* #	US-PATENT-APPL-SN-823566	c 74	N79-14891* #
US-PATENT-APPL-SN-784055	c 15	N72-11390*	US-PATENT-APPL-SN-802813	c 15	N72-22487* #	US-PATENT-APPL-SN-824024	c 44	N79-18443* #
US-PATENT-APPL-SN-784521	c 14	N71-15620* #	US-PATENT-APPL-SN-802816	c 31	N71-16346*	US-PATENT-APPL-SN-824042	c 23	N71-29123*
US-PATENT-APPL-SN-784544	c 15	N72-12408*	US-PATENT-APPL-SN-802818	c 07	N71-29065*	US-PATENT-APPL-SN-824628	c 34	N78-17337* #
US-PATENT-APPL-SN-785078	c 03	N72-27053* #	US-PATENT-APPL-SN-802820	c 10	N71-13545* #	US-PATENT-APPL-SN-824755	c 09	N70-33182*
US-PATENT-APPL-SN-785257	c 44	N79-14526* #	US-PATENT-APPL-SN-802948	c 31	N71-33160*	US-PATENT-APPL-SN-825253	c 16	N69-31343* #
US-PATENT-APPL-SN-785279	c 27	N81-14077* #	US-PATENT-APPL-SN-802972	c 09	N71-26678*	US-PATENT-APPL-SN-825258	c 26	N72-21701* #
US-PATENT-APPL-SN-785546	c 10	N71-25882*	US-PATENT-APPL-SN-80368	c 09	N73-20231* #	US-PATENT-APPL-SN-825259	c 14	N71-26788*
US-PATENT-APPL-SN-785595	c 10	N71-24861*	US-PATENT-APPL-SN-80369	c 09	N72-22198* #	US-PATENT-APPL-SN-825489	c 27	N81-15104* #
US-PATENT-APPL-SN-785611	c 15	N71-24600*	US-PATENT-APPL-SN-803822	c 26	N79-22271* #	US-PATENT-APPL-SN-826202	c 37	N79-28551* #
US-PATENT-APPL-SN-785613	c 05	N72-25119* #	US-PATENT-APPL-SN-803822	c 26	N80-32484* #	US-PATENT-APPL-SN-826204	c 37	N79-10420* #
US-PATENT-APPL-SN-785615	c 05	N72-20098* #	US-PATENT-APPL-SN-803823	c 44	N79-11467* #	US-PATENT-APPL-SN-826326	c 46	N79-22679* #
US-PATENT-APPL-SN-785620	c 21	N71-27324*	US-PATENT-APPL-SN-804035	c 35	N79-14348* #	US-PATENT-APPL-SN-82647	c 28	N72-22772* #
US-PATENT-APPL-SN-785710	c 05	N71-24730*	US-PATENT-APPL-SN-804172	c 28	N71-26781*	US-PATENT-APPL-SN-82648	c 12	N72-25292* #
US-PATENT-APPL-SN-785780	c 18	N71-28729*	US-PATENT-APPL-SN-805298	c 10	N71-25899*	US-PATENT-APPL-SN-82649	c 08	N73-30135* #
US-PATENT-APPL-SN-786322	c 32	N79-20296* #	US-PATENT-APPL-SN-805405	c 14	N71-27323*	US-PATENT-APPL-SN-82658	c 30	N70-40309* #
US-PATENT-APPL-SN-7867	c 14	N72-17324* #	US-PATENT-APPL-SN-805406	c 07	N71-24613*	US-PATENT-APPL-SN-827464	c 74	N79-34011* #
US-PATENT-APPL-SN-7868	c 10	N72-17173* #	US-PATENT-APPL-SN-805549	c 35	N79-16246* #	US-PATENT-APPL-SN-827579	c 15	N71-24984*
US-PATENT-APPL-SN-786913	c 27	N79-12221* #	US-PATENT-APPL-SN-806149	c 17	N71-16223*	US-PATENT-APPL-SN-827597	c 26	N69-33482* #
US-PATENT-APPL-SN-78703	c 15	N73-20514* #	US-PATENT-APPL-SN-806226	c 24	N71-27407*	US-PATENT-APPL-SN-828262	c 37	N79-14383* #
US-PATENT-APPL-SN-78704	c 05	N72-25121* #	US-PATENT-APPL-SN-806440	c 51	N79-10694* #	US-PATENT-APPL-SN-828909	c 28	N71-27094*
US-PATENT-APPL-SN-78717	c 05	N73-13114* #	US-PATENT-APPL-SN-807597	c 52	N80-16725* #	US-PATENT-APPL-SN-828920	c 35	N74-22095* #
US-PATENT-APPL-SN-787393	c 23	N71-26206*	US-PATENT-APPL-SN-807703	c 37	N78-27424* #	US-PATENT-APPL-SN-828921	c 09	N71-27001*
US-PATENT-APPL-SN-787410	c 15	N71-19213*	US-PATENT-APPL-SN-807762	c 27	N78-13233* #	US-PATENT-APPL-SN-828983	c 03	N71-24719*
US-PATENT-APPL-SN-78766	c 05	N74-10907* #	US-PATENT-APPL-SN-808192	c 15	N71-27432*	US-PATENT-APPL-SN-828984	c 08	N71-29033*
US-PATENT-APPL-SN-787846	c 23	N71-33229*	US-PATENT-APPL-SN-808193	c 31	N71-26537*	US-PATENT-APPL-SN-829314	c 09	N79-31228* #
US-PATENT-APPL-SN-787906	c 03	N71-26084*	US-PATENT-APPL-SN-808462	c 10	N71-27136*	US-PATENT-APPL-SN-829315	c 34	N79-20336* #
US-PATENT-APPL-SN-787911	c 03	N71-28579*	US-PATENT-APPL-SN-808510	c 33	N78-32338* #	US-PATENT-APPL-SN-829316	c 18	N79-11108* #
US-PATENT-APPL-SN-788045	c 24	N79-25142* #	US-PATENT-APPL-SN-808576	c 15	N71-27754*	US-PATENT-APPL-SN-829317	c 52	N80-18690* #
US-PATENT-APPL-SN-788705	c 35	N78-24515* #	US-PATENT-APPL-SN-808577	c 32	N71-25360*	US-PATENT-APPL-SN-829318	c 52	N80-14684* #
US-PATENT-APPL-SN-789043	c 10	N71-26531*	US-PATENT-APPL-SN-808822	c 14	N73-16483* #	US-PATENT-APPL-SN-829390	c 44	N79-11469* #
US-PATENT-APPL-SN-789044	c 14	N72-20381* #	US-PATENT-APPL-SN-808822	c 28	N71-27585*	US-PATENT-APPL-SN-829390	c 44	N80-16452* #
US-PATENT-APPL-SN-789045	c 15	N72-22489* #	US-PATENT-APPL-SN-808980	c 44	N79-17314* #	US-PATENT-APPL-SN-829825	c 03	N71-24681*
US-PATENT-APPL-SN-789278	c 15	N71-24694*	US-PATENT-APPL-SN-808980	c 44	N80-14474* #	US-PATENT-APPL-SN-830272	c 33	N81-29342* #
US-PATENT-APPL-SN-789903	c 07	N71-28429*	US-PATENT-APPL-SN-810575	c 15	N71-27169*	US-PATENT-APPL-SN-830366	c 16	N72-13437*
US-PATENT-APPL-SN-790420	c 09	N71-24595*	US-PATENT-APPL-SN-810576	c 15	N73-12492* #	US-PATENT-APPL-SN-830458	c 46	N79-23555* #
US-PATENT-APPL-SN-790637	c 44	N78-25529* #	US-PATENT-APPL-SN-810576	c 25	N82-21269* #	US-PATENT-APPL-SN-830562	c 39	N80-10507* #
US-PATENT-APPL-SN-791267	c 23	N72-17747* #	US-PATENT-APPL-SN-810579	c 09	N72-22203* #	US-PATENT-APPL-SN-830715	c 15	N71-24903*
US-PATENT-APPL-SN-791268	c 33	N72-17947* #	US-PATENT-APPL-SN-810579	c 33	N74-22864* #	US-PATENT-APPL-SN-830846	c 31	N80-32584* #
US-PATENT-APPL-SN-791288	c 28	N71-25213*	US-PATENT-APPL-SN-810815	c 06	N72-22107* #	US-PATENT-AP		

US-PATENT-APPL-SN-832603	c 09	N72-22199* #	US-PATENT-APPL-SN-848811	c 10	N71-26142*	US-PATENT-APPL-SN-865109	c 14	N71-28933*
US-PATENT-APPL-SN-833049	c 06	N72-21094* #	US-PATENT-APPL-SN-849106	c 09	N72-22197* #	US-PATENT-APPL-SN-865274	c 09	N72-17155* #
US-PATENT-APPL-SN-833637	c 33	N79-24257* #	US-PATENT-APPL-SN-849274	c 28	N79-14228* #	US-PATENT-APPL-SN-865298	c 15	N72-11388*
US-PATENT-APPL-SN-834257	c 32	N80-14281* #	US-PATENT-APPL-SN-84961	c 02	N70-34178* #	US-PATENT-APPL-SN-865329	c 15	N71-29132*
US-PATENT-APPL-SN-835058	c 21	N72-22619* #	US-PATENT-APPL-SN-84962	c 21	N70-36943* #	US-PATENT-APPL-SN-86548	c 09	N72-21243* #
US-PATENT-APPL-SN-835059	c 09	N71-26133*	US-PATENT-APPL-SN-8497	c 14	N72-11363*	US-PATENT-APPL-SN-865811	c 09	N71-27053*
US-PATENT-APPL-SN-835060	c 02	N71-26110*	US-PATENT-APPL-SN-8498	c 05	N71-24729*	US-PATENT-APPL-SN-865909	c 14	N72-11364*
US-PATENT-APPL-SN-835146	c 15	N70-33264*	US-PATENT-APPL-SN-850504	c 52	N81-14613* #	US-PATENT-APPL-SN-866442	c 25	N72-24753* #
US-PATENT-APPL-SN-835152	c 28	N70-38199* #	US-PATENT-APPL-SN-850504	c 52	N81-29764* #	US-PATENT-APPL-SN-867841	c 11	N72-22246* #
US-PATENT-APPL-SN-835153	c 31	N71-17680*	US-PATENT-APPL-SN-850507	c 25	N79-14169* #	US-PATENT-APPL-SN-867842	c 23	N72-27728* #
US-PATENT-APPL-SN-835419	c 33	N80-18285* #	US-PATENT-APPL-SN-850586	c 31	N71-25434*	US-PATENT-APPL-SN-867843	c 14	N71-26161*
US-PATENT-APPL-SN-835544	c 33	N79-14305* #	US-PATENT-APPL-SN-850587	c 08	N72-21199* #	US-PATENT-APPL-SN-867851	c 15	N72-22484* #
US-PATENT-APPL-SN-835628	c 35	N79-14347* #	US-PATENT-APPL-SN-851298	c 15	N72-12409*	US-PATENT-APPL-SN-868249	c 33	N80-18286* #
US-PATENT-APPL-SN-836280	c 14	N73-14428* #	US-PATENT-APPL-SN-851394	c 09	N71-24892*	US-PATENT-APPL-SN-868445	c 14	N72-17323* #
US-PATENT-APPL-SN-836280	c 35	N75-25122* #	US-PATENT-APPL-SN-852131	c 15	N71-24836*	US-PATENT-APPL-SN-868529	c 08	N72-22167* #
US-PATENT-APPL-SN-836367	c 09	N71-24804*	US-PATENT-APPL-SN-852843	c 09	N72-22195* #	US-PATENT-APPL-SN-868530	c 05	N71-11084*
US-PATENT-APPL-SN-837259	c 54	N79-24652* #	US-PATENT-APPL-SN-853349	c 35	N81-33448* #	US-PATENT-APPL-SN-868775	c 09	N72-25261* #
US-PATENT-APPL-SN-837260	c 37	N78-27423* #	US-PATENT-APPL-SN-853641	c 33	N72-25913* #	US-PATENT-APPL-SN-868775	c 09	N73-27150* #
US-PATENT-APPL-SN-837377	c 15	N71-26148*	US-PATENT-APPL-SN-853677	c 34	N79-31523* #	US-PATENT-APPL-SN-869260	c 05	N72-20097* #
US-PATENT-APPL-SN-837378	c 15	N71-24865*	US-PATENT-APPL-SN-853679	c 35	N79-14346* #	US-PATENT-APPL-SN-869260	c 05	N73-25125* #
US-PATENT-APPL-SN-837513	c 44	N81-29525* #	US-PATENT-APPL-SN-853705	c 45	N79-12584* #	US-PATENT-APPL-SN-870689	c 06	N72-25148* #
US-PATENT-APPL-SN-837513	c 44	N82-28780* #	US-PATENT-APPL-SN-853716	c 09	N71-24904*	US-PATENT-APPL-SN-87222	c 05	N72-27103* #
US-PATENT-APPL-SN-837794	c 28	N80-20402* #	US-PATENT-APPL-SN-853746	c 02	N72-11018*	US-PATENT-APPL-SN-872602	c 09	N72-22200* #
US-PATENT-APPL-SN-837794	c 28	N81-14103* #	US-PATENT-APPL-SN-853763	c 07	N70-12616* #	US-PATENT-APPL-SN-872664	c 08	N70-34675* #
US-PATENT-APPL-SN-837795	c 36	N80-14384* #	US-PATENT-APPL-SN-853783	c 07	N72-33146* #	US-PATENT-APPL-SN-873045	c 14	N72-20379* #
US-PATENT-APPL-SN-837796	c 35	N79-14345* #	US-PATENT-APPL-SN-853855	c 17	N72-22530* #	US-PATENT-APPL-SN-873259	c 08	N72-21200* #
US-PATENT-APPL-SN-837825	c 15	N71-27006*	US-PATENT-APPL-SN-853855	c 17	N72-28535* #	US-PATENT-APPL-SN-873260	c 33	N72-17948* #
US-PATENT-APPL-SN-837830	c 02	N71-27088*	US-PATENT-APPL-SN-853856	c 16	N71-29131*	US-PATENT-APPL-SN-873793	c 14	N72-21407* #
US-PATENT-APPL-SN-83816	c 44	N74-14784* #	US-PATENT-APPL-SN-853983	c 14	N70-33254*	US-PATENT-APPL-SN-874177	c 11	N72-25284* #
US-PATENT-APPL-SN-838278	c 60	N74-20836* #	US-PATENT-APPL-SN-853984	c 21	N70-33181*	US-PATENT-APPL-SN-874435	c 11	N71-33612*
US-PATENT-APPL-SN-838308	c 52	N80-27072* #	US-PATENT-APPL-SN-854815	c 09	N71-24807*	US-PATENT-APPL-SN-874673	c 27	N82-29454* #
US-PATENT-APPL-SN-838336	c 44	N79-11470* #	US-PATENT-APPL-SN-854920	c 15	N72-26100* #	US-PATENT-APPL-SN-874674	c 27	N82-29452* #
US-PATENT-APPL-SN-838337	c 31	N79-17029* #	US-PATENT-APPL-SN-855004	c 24	N72-11595*	US-PATENT-APPL-SN-874675	c 27	N82-29455* #
US-PATENT-APPL-SN-838630	c 14	N71-28993*	US-PATENT-APPL-SN-855364	c 52	N81-27783* #	US-PATENT-APPL-SN-874732	c 09	N71-29139*
US-PATENT-APPL-SN-839934	c 07	N72-20140* #	US-PATENT-APPL-SN-85585	c 21	N70-35427* #	US-PATENT-APPL-SN-874733	c 15	N71-26635*
US-PATENT-APPL-SN-839935	c 15	N71-24895*	US-PATENT-APPL-SN-856253	c 24	N74-19769* #	US-PATENT-APPL-SN-874958	c 31	N71-15566*
US-PATENT-APPL-SN-839941	c 07	N71-26181*	US-PATENT-APPL-SN-856258	c 05	N71-17599*	US-PATENT-APPL-SN-87550	c 06	N72-25146* #
US-PATENT-APPL-SN-839963	c 27	N79-33316* #	US-PATENT-APPL-SN-856279	c 07	N72-21118* #	US-PATENT-APPL-SN-87551	c 33	N73-16918* #
US-PATENT-APPL-SN-839963	c 27	N81-14078* #	US-PATENT-APPL-SN-856282	c 08	N72-22166* #	US-PATENT-APPL-SN-875849	c 07	N71-33696*
US-PATENT-APPL-SN-839994	c 28	N71-28915*	US-PATENT-APPL-SN-856327	c 05	N72-16015*	US-PATENT-APPL-SN-87597	c 33	N74-22864* #
US-PATENT-APPL-SN-84002	c 08	N73-20217* #	US-PATENT-APPL-SN-856328	c 14	N72-22441* #	US-PATENT-APPL-SN-876299	c 44	N80-18552* #
US-PATENT-APPL-SN-840176	c 28	N71-27095*	US-PATENT-APPL-SN-856415	c 09	N71-26182*	US-PATENT-APPL-SN-876431	c 33	N79-24254* #
US-PATENT-APPL-SN-840308	c 07	N71-33613*	US-PATENT-APPL-SN-856460	c 25	N79-24073* #	US-PATENT-APPL-SN-876432	c 36	N80-18372* #
US-PATENT-APPL-SN-840359	c 23	N71-29125*	US-PATENT-APPL-SN-856461	c 34	N79-12359* #	US-PATENT-APPL-SN-876438	c 52	N79-26772* #
US-PATENT-APPL-SN-840870	c 15	N71-26189*	US-PATENT-APPL-SN-856462	c 34	N80-24573* #	US-PATENT-APPL-SN-876440	c 51	N80-16714* #
US-PATENT-APPL-SN-840983	c 05	N70-33285*	US-PATENT-APPL-SN-856482	c 44	N81-24519* #	US-PATENT-APPL-SN-876441	c 74	N79-20856* #
US-PATENT-APPL-SN-841278	c 33	N77-21316* #	US-PATENT-APPL-SN-856464	c 36	N79-14362* #	US-PATENT-APPL-SN-876588	c 15	N72-25452* #
US-PATENT-APPL-SN-841845	c 14	N73-32317* #	US-PATENT-APPL-SN-856465	c 44	N80-14473* #	US-PATENT-APPL-SN-876588	c 25	N74-30502* #
US-PATENT-APPL-SN-84212	c 27	N74-17283* #	US-PATENT-APPL-SN-856466	c 72	N80-14877* #	US-PATENT-APPL-SN-877445	c 23	N82-29358* #
US-PATENT-APPL-SN-842170	c 11	N70-33278*	US-PATENT-APPL-SN-857241	c 46	N74-23069* #	US-PATENT-APPL-SN-877717	c 14	N72-27410* #
US-PATENT-APPL-SN-842171	c 11	N70-33329*	US-PATENT-APPL-SN-857445	c 05	N71-24728*	US-PATENT-APPL-SN-877717	c 14	N73-13417* #
US-PATENT-APPL-SN-84289	c 15	N73-14469* #	US-PATENT-APPL-SN-857967	c 15	N72-20443* #	US-PATENT-APPL-SN-877990	c 14	N72-28437* #
US-PATENT-APPL-SN-84290	c 05	N73-20137* #	US-PATENT-APPL-SN-858596	c 35	N78-18395* #	US-PATENT-APPL-SN-878253	c 25	N81-33246* #
US-PATENT-APPL-SN-843022	c 11	N70-33287*	US-PATENT-APPL-SN-858695	c 11	N72-22247* #	US-PATENT-APPL-SN-878539	c 35	N80-20560* #
US-PATENT-APPL-SN-843032	c 28	N70-41818* #	US-PATENT-APPL-SN-858762	c 08	N79-23097* #	US-PATENT-APPL-SN-878540	c 24	N82-26384* #
US-PATENT-APPL-SN-843090	c 27	N79-22300* #	US-PATENT-APPL-SN-858764	c 33	N79-10338* #	US-PATENT-APPL-SN-878541	c 33	N81-14220* #
US-PATENT-APPL-SN-843251	c 03	N72-11062*	US-PATENT-APPL-SN-858765	c 33	N79-11313* #	US-PATENT-APPL-SN-878542	c 33	N79-28416* #
US-PATENT-APPL-SN-843308	c 32	N79-14268* #	US-PATENT-APPL-SN-858766	c 27	N79-14213* #	US-PATENT-APPL-SN-878730	c 08	N72-22164* #
US-PATENT-APPL-SN-844225	c 05	N72-25120* #	US-PATENT-APPL-SN-858767	c 32	N83-19968* #	US-PATENT-APPL-SN-878731	c 15	N71-26162*
US-PATENT-APPL-SN-844243	c 37	N75-29426* #	US-PATENT-APPL-SN-858936	c 07	N80-18039* #	US-PATENT-APPL-SN-880246	c 28	N72-22770* #
US-PATENT-APPL-SN-844315	c 35	N77-21392* #	US-PATENT-APPL-SN-858950	c 35	N78-17359* #	US-PATENT-APPL-SN-880247	c 09	N70-20737* #
US-PATENT-APPL-SN-844344	c 24	N79-14156* #	US-PATENT-APPL-SN-86018	c 23	N71-30292*	US-PATENT-APPL-SN-880248	c 07	N72-11150*
US-PATENT-APPL-SN-844346	c 44	N79-11472* #	US-PATENT-APPL-SN-860404	c 37	N81-15364* #	US-PATENT-APPL-SN-880249	c 15	N72-22482* #
US-PATENT-APPL-SN-844355	c 03	N72-26031* #	US-PATENT-APPL-SN-860405	c 26	N79-22271* #	US-PATENT-APPL-SN-880250	c 03	N72-20032*
US-PATENT-APPL-SN-845365	c 09	N71-13518* #	US-PATENT-APPL-SN-860406	c 24	N79-17916* #	US-PATENT-APPL-SN-880271	c 15	N72-25448* #
US-PATENT-APPL-SN-845584	c 27	N73-22710* #	US-PATENT-APPL-SN-860492	c 09	N72-20199* #	US-PATENT-APPL-SN-880272	c 14	N71-27058*
US-PATENT-APPL-SN-845807	c 15	N72-11391*	US-PATENT-APPL-SN-860493	c 14	N72-16283* #	US-PATENT-APPL-SN-880398	c 15	N73-12487* #
US-PATENT-APPL-SN-845971	c 11	N71-28629*	US-PATENT-APPL-SN-860635	c 28	N72-17843* #	US-PATENT-APPL-SN-880726	c 44	N80-21828* #
US-PATENT-APPL-SN-845972	c 09	N70-11148* #	US-PATENT-APPL-SN-860750	c 08	N72-22165* #	US-PATENT-APPL-SN-880727	c 35	N79-28572* #
US-PATENT-APPL-SN-845973	c 11	N71-24985*	US-PATENT-APPL-SN-860751	c 08	N72-18184* #	US-PATENT-APPL-SN-880728	c 37	N80-10494* #
US-PATENT-APPL-SN-845974	c 33	N71-25353*	US-PATENT-APPL-SN-860781	c 18	N72-22567* #	US-PATENT-APPL-SN-880729	c 35	N80-20563* #
US-PATENT-APPL-SN-845990	c 14	N71-27005*	US-PATENT-APPL-SN-861152	c 14	N70-33322*	US-PATENT-APPL-SN-880831	c 11	N72-20244* #
US-PATENT-APPL-SN-845991	c 14	N71-29134*	US-PATENT-APPL-SN-861390	c 28	N79-28342* #	US-PATENT-APPL-SN-880838	c 37	N79-28549* #
US-PATENT-APPL-SN-847023	c 31	N70-37938* #	US-PATENT-APPL-SN-861391	c 44	N79-12541* #	US-PATENT-APPL-SN-880885	c 07	N72-12080*
US-PATENT-APPL-SN-847027	c 03	N70-33343*	US-PATENT-APPL-SN-861392	c 71	N79-23753* #	US-PATENT-APPL-SN-881039	c 09	N71-24842*
US-PATENT-APPL-SN-847276	c 37	N81-32510* #	US-PATENT-APPL-SN-861396	c 35	N79-14349* #	US-PATENT-APPL-SN-881041	c 09	N72-22204* #
US-PATENT-APPL-SN-847277	c 31	N79-28370* #	US-PATENT-APPL-SN-861649	c 14	N72-17327* #	US-PATENT-APPL-SN-882122	c 14	N72-22438* #
US-PATENT-APPL-SN-847278	c 34	N79-20335* #	US-PATENT-APPL-SN-862878	c 09	N82-29330* #	US-PATENT-APPL-SN-882577	c 07	N71-27056*
US-PATENT-APPL-SN-847596	c 15	N70-10867* #	US-PATENT-APPL-SN-862880	c 24	N79-31347* #	US-PATENT-APPL-SN-883090	c 44	N80-29834* #
US-PATENT-APPL-SN-847815	c 52	N75-15270* #	US-PATENT-APPL-SN-862921	c 31	N71-29050*	US-PATENT-APPL-SN-883094	c 54	N79-24651* #
US-PATENT-APPL-SN-848282	c 15	N72-21462* #	US-PATENT-APPL-SN-863024	c 46	N80-14603* #	US-PATENT-APPL-SN-883523	c 09	N72-33204* #
US-PATENT-APPL-SN-848325	c 06	N70-11251*	US-PATENT-APPL-SN-863276	c 16	N72-12440*	US-PATENT-APPL-SN-883524	c 09	N72-21246* #
US-PATENT-APPL-SN-848351	c 06	N70-11252*	US-PATENT-APPL-SN-863280	c 24	N72-33681* #	US-PATENT-APPL-SN-883961	c 25	N80-16116* #
US-PATENT-APPL-SN-848403	c 33	N74-20859* #	US-PATENT-APPL-SN-8636	c 15	N72-25451* #	US-PATENT-APPL-SN-88435	c 35	N74-15090* #
US-PATENT-APPL-SN-848403	c 36	N75-27364* #	US-PATENT-APPL-SN-863770	c 44	N79-18444* #	US-PATENT-APPL-SN-885049	c 33	N79-23345* #
US-PATENT-APPL-SN-848418	c 43	N79-26439* #	US-PATENT-APPL-SN-863773	c 44	N79-26475* #	US-PATENT-APPL-SN-885065	c 35	N79-18296* #
US-PATENT-APPL-SN-848419	c 43	N80-23711* #	US-PATENT-APPL-SN-863913	c 14	N71-28991*	US-PATENT-APPL-SN-885066	c 33	N80-26599* #
US-PATENT-APPL-SN-848420	c 43	N79-25443* #	US-PATENT-APPL-SN-863914	c 09	N72-31235* #	US-PATENT-APPL-SN-885067	c 33	N79-28415* #
US-PATENT-APPL-SN-848421	c 43	N80-14423* #	US-PATENT-APPL-SN-863963	c 10	N71-26085*	US-PATENT-APPL-SN-885521	c 03	N72-28025* #
US-PATENT-APPL-SN-848428	c 25	N82-21268* #	US-PATENT-APPL-SN-863967	c 11	N71-27036*	US-PATENT-APPL-SN-885571	c 09	N71-28886*
US-PATENT-APPL-SN-848481	c 17							

REPORT NUMBER INDEX

US-PATENT-CLASS-103-48

US-PATENT-APPL-SN-888362	c 33	N80-14330* #	US-PATENT-APPL-SN-923758	c 20	N80-10278* #	US-PATENT-APPL-SN-971596	c 27	N80-32516* #
US-PATENT-APPL-SN-888432	c 74	N81-17886* #	US-PATENT-APPL-SN-9251	c 03	N70-34646* #	US-PATENT-APPL-SN-972252	c 35	N81-33448* #
US-PATENT-APPL-SN-888434	c 51	N83-27569* #	US-PATENT-APPL-SN-928128	c 44	N80-18551* #	US-PATENT-APPL-SN-97343	c 10	N72-27246* #
US-PATENT-APPL-SN-889374	c 08	N72-25207* #	US-PATENT-APPL-SN-928129	c 35	N80-14371* #	US-PATENT-APPL-SN-974292	c 26	N80-23419* #
US-PATENT-APPL-SN-889375	c 10	N72-20222* #	US-PATENT-APPL-SN-928130	c 35	N80-20559* #	US-PATENT-APPL-SN-974471	c 32	N81-14185* #
US-PATENT-APPL-SN-889376	c 18	N71-26285* #	US-PATENT-APPL-SN-928131	c 09	N79-31228* #	US-PATENT-APPL-SN-974472	c 37	N81-15363* #
US-PATENT-APPL-SN-889387	c 09	N71-29035* #	US-PATENT-APPL-SN-928133	c 44	N80-18550* #	US-PATENT-APPL-SN-974473	c 60	N81-27814* #
US-PATENT-APPL-SN-889420	c 14	N72-25413* #	US-PATENT-APPL-SN-928137	c 52	N80-23969* #	US-PATENT-APPL-SN-974474	c 25	N81-19242* #
US-PATENT-APPL-SN-889422	c 09	N72-25259* #	US-PATENT-APPL-SN-929083	c 36	N80-16321* #	US-PATENT-APPL-SN-974475	c 33	N81-17349* #
US-PATENT-APPL-SN-889433	c 10	N72-22236* #	US-PATENT-APPL-SN-929084	c 37	N81-19455* #	US-PATENT-APPL-SN-974476	c 52	N81-14613* #
US-PATENT-APPL-SN-889437	c 15	N72-11392* #	US-PATENT-APPL-SN-929086	c 24	N81-13999* #	US-PATENT-APPL-SN-97472	c 14	N73-28487* #
US-PATENT-APPL-SN-889438	c 15	N72-18477* #	US-PATENT-APPL-SN-929087	c 35	N80-26687* #	US-PATENT-APPL-SN-97829	c 06	N73-13129* #
US-PATENT-APPL-SN-889478	c 08	N71-29138* #	US-PATENT-APPL-SN-929088	c 74	N80-24149* #	US-PATENT-APPL-SN-98517	c 09	N72-25250* #
US-PATENT-APPL-SN-889479	c 14	N72-17325* #	US-PATENT-APPL-SN-931090	c 37	N80-26658* #	US-PATENT-APPL-SN-98640	c 09	N72-25253* #
US-PATENT-APPL-SN-889551	c 21	N72-21624* #	US-PATENT-APPL-SN-931090	c 37	N82-19540* #	US-PATENT-APPL-SN-98772	c 08	N73-12176* #
US-PATENT-APPL-SN-889554	c 15	N72-20444* #	US-PATENT-APPL-SN-931217	c 37	N80-32716* #	US-PATENT-APPL-SN-98773	c 15	N72-22486* #
US-PATENT-APPL-SN-889555	c 09	N72-17154* #	US-PATENT-APPL-SN-931218	c 20	N80-18097* #	US-PATENT-APPL-SN-98774	c 14	N73-19419* #
US-PATENT-APPL-SN-889556	c 14	N72-18411* #	US-PATENT-APPL-SN-933186	c 27	N80-32515* #	US-PATENT-APPL-SN-98798	c 09	N73-13209* #
US-PATENT-APPL-SN-889557	c 11	N72-17183* #	US-PATENT-APPL-SN-93329	c 09	N73-26195* #	US-PATENT-APPL-SN-99174	c 14	N72-33377* #
US-PATENT-APPL-SN-889558	c 15	N72-22491* #	US-PATENT-APPL-SN-934576	c 35	N80-18358* #	US-PATENT-APPL-SN-99175	c 09	N72-25258* #
US-PATENT-APPL-SN-889583	c 15	N72-21464* #	US-PATENT-APPL-SN-935827	c 37	N80-18393* #	US-PATENT-APPL-SN-99198	c 31	N73-22749* #
US-PATENT-APPL-SN-889584	c 08	N72-31226* #	US-PATENT-APPL-SN-93714	c 44	N82-28780* #	US-PATENT-APPL-SN-99201	c 15	N73-25512* #
US-PATENT-APPL-SN-889670	c 39	N79-22537* #	US-PATENT-APPL-SN-938293	c 32	N80-32605* #	US-PATENT-APPL-SN-99201	c 37	N74-20063* #
US-PATENT-APPL-SN-889671	c 24	N81-14000* #	US-PATENT-APPL-SN-938297	c 25	N81-14015* #	US-PATENT-APPL-SN-99524	c 06	N72-27144* #
US-PATENT-APPL-SN-889671	c 24	N81-33235* #	US-PATENT-APPL-SN-938298	c 33	N81-17348* #	US-PATENT-APPL-SN-99901	c 37	N74-10474* #
US-PATENT-APPL-SN-889682	c 15	N72-25447* #	US-PATENT-APPL-SN-938299	c 33	N81-19389* #	US-PATENT-APPL-SN-99903	c 11	N73-12265* #
US-PATENT-APPL-SN-891243	c 44	N79-25482* #	US-PATENT-APPL-SN-938300	c 37	N80-23654* #			
US-PATENT-APPL-SN-891244	c 05	N79-24976* #	US-PATENT-APPL-SN-938579	c 76	N80-32244* #	US-PATENT-CASE-179-146-R	c 05	N83-27975* #
US-PATENT-APPL-SN-891356	c 35	N80-18359* #	US-PATENT-APPL-SN-938581	c 04	N80-32359* #	US-PATENT-CASE-179-179	c 05	N83-27975* #
US-PATENT-APPL-SN-891358	c 44	N80-14474* #	US-PATENT-APPL-SN-938582	c 37	N80-23653* #	US-PATENT-CASE-244-121	c 05	N83-19737* #
US-PATENT-APPL-SN-891370	c 20	N79-20179* #	US-PATENT-APPL-SN-94049	c 14	N73-20476* #	US-PATENT-CASE-244-129 4	c 05	N83-19737* #
US-PATENT-APPL-SN-891372	c 37	N79-22474* #	US-PATENT-APPL-SN-940688	c 24	N79-24062* #	US-PATENT-CASE-292-254	c 05	N83-19737* #
US-PATENT-APPL-SN-891373	c 31	N80-18231* #	US-PATENT-APPL-SN-940689	c 35	N80-28686* #	US-PATENT-CASE-356-129	c 36	N83-29680* #
US-PATENT-APPL-SN-891872	c 25	N82-24312* #	US-PATENT-APPL-SN-940970	c 72	N80-27163* #	US-PATENT-CASE-367-906	c 05	N83-27975* #
US-PATENT-APPL-SN-89209	c 09	N72-25248* #	US-PATENT-APPL-SN-941711	c 24	N80-26388* #	US-PATENT-CASE-368-10	c 35	N83-29651* #
US-PATENT-APPL-SN-89210	c 07	N73-26119* #	US-PATENT-APPL-SN-94259	c 27	N70-35534* #	US-PATENT-CASE-368-118	c 35	N83-29651* #
US-PATENT-APPL-SN-89211	c 14	N73-12446* #	US-PATENT-APPL-SN-943086	c 37	N80-32717* #	US-PATENT-CASE-368-119	c 35	N83-29651* #
US-PATENT-APPL-SN-89212	c 08	N72-25208* #	US-PATENT-APPL-SN-943087	c 15	N78-32168* #	US-PATENT-CASE-368-120	c 35	N83-29651* #
US-PATENT-APPL-SN-893382	c 34	N79-24285* #	US-PATENT-APPL-SN-943088	c 18	N80-14183* #	US-PATENT-CASE-368-6	c 35	N83-29651* #
US-PATENT-APPL-SN-893383	c 31	N81-27323* #	US-PATENT-APPL-SN-943089	c 74	N80-21140* #	US-PATENT-CASE-368-9	c 35	N83-29651* #
US-PATENT-APPL-SN-893657	c 51	N80-27067* #	US-PATENT-APPL-SN-94347	c 05	N72-25122* #			
US-PATENT-APPL-SN-893857	c 24	N81-17170* #	US-PATENT-APPL-SN-94369	c 07	N71-28965* #	US-PATENT-CLASS-165-27	c 34	N83-34221* #
US-PATENT-APPL-SN-893857	c 24	N81-26179* #	US-PATENT-APPL-SN-94374	c 14	N72-25411* #	US-PATENT-CLASS-361-90	c 33	N83-34190* #
US-PATENT-APPL-SN-893865	c 37	N81-24443* #	US-PATENT-APPL-SN-945040	c 37	N82-24492* #			
US-PATENT-APPL-SN-893903	c 60	N81-15706* #	US-PATENT-APPL-SN-945041	c 43	N80-18498* #	US-PATENT-CLASS-D12-76	c 05	N75-25914* #
US-PATENT-APPL-SN-894213	c 37	N80-23655* #	US-PATENT-APPL-SN-945043	c 33	N81-33403* #	US-PATENT-CLASS-D71-1	c 05	N74-10907* #
US-PATENT-APPL-SN-897828	c 52	N81-29763* #	US-PATENT-APPL-SN-945044	c 54	N81-26718* #			
US-PATENT-APPL-SN-897829	c 44	N79-25481* #	US-PATENT-APPL-SN-945436	c 46	N80-24906* #	US-PATENT-CLASS-100-299	c 15	N72-20446* #
US-PATENT-APPL-SN-897830	c 35	N80-21719* #	US-PATENT-APPL-SN-946990	c 28	N80-23471* #	US-PATENT-CLASS-100-8	c 33	N74-17928* #
US-PATENT-APPL-SN-897831	c 44	N80-20808* #	US-PATENT-APPL-SN-946991	c 31	N81-27324* #	US-PATENT-CLASS-102-101	c 28	N71-26779* #
US-PATENT-APPL-SN-897832	c 31	N78-24387* #	US-PATENT-APPL-SN-946992	c 45	N80-14579* #	US-PATENT-CLASS-102-103	c 20	N78-32179* #
US-PATENT-APPL-SN-897832	c 43	N81-26509* #	US-PATENT-APPL-SN-946994	c 44	N79-31753* #	US-PATENT-CLASS-102-105	c 33	N72-17947* #
US-PATENT-APPL-SN-897840	c 31	N81-14137* #	US-PATENT-APPL-SN-947000	c 28	N81-15119* #	US-PATENT-CLASS-102-105	c 33	N72-25911* #
US-PATENT-APPL-SN-899123	c 44	N79-14528* #	US-PATENT-APPL-SN-94952	c 14	N70-34158* #	US-PATENT-CLASS-102-105	c 33	N73-25952* #
US-PATENT-APPL-SN-899828	c 32	N80-18252* #	US-PATENT-APPL-SN-949886	c 33	N80-18285* #	US-PATENT-CLASS-102-105	c 27	N74-27037* #
US-PATENT-APPL-SN-900659	c 27	N81-17261* #	US-PATENT-APPL-SN-950876	c 37	N80-31790* #	US-PATENT-CLASS-102-105	c 24	N79-25142* #
US-PATENT-APPL-SN-900841	c 32	N82-31583* #	US-PATENT-APPL-SN-950877	c 52	N81-25660* #	US-PATENT-CLASS-102-21 6	c 46	N79-22679* #
US-PATENT-APPL-SN-900842	c 32	N79-24203* #	US-PATENT-APPL-SN-951422	c 51	N81-14605* #	US-PATENT-CLASS-102-28EB	c 28	N74-27425* #
US-PATENT-APPL-SN-900843	c 44	N80-20810* #	US-PATENT-APPL-SN-951423	c 48	N80-18667* #	US-PATENT-CLASS-102-28R	c 28	N79-11231* #
US-PATENT-APPL-SN-901055	c 76	N80-32245* #	US-PATENT-APPL-SN-951828	c 37	N80-29703* #	US-PATENT-CLASS-102-28R	c 27	N82-24339* #
US-PATENT-APPL-SN-903019	c 46	N80-17009* #	US-PATENT-APPL-SN-951829	c 33	N80-18287* #	US-PATENT-CLASS-102-34 4	c 07	N72-25171* #
US-PATENT-APPL-SN-90595	c 03	N72-20031* #	US-PATENT-APPL-SN-951830	c 28	N80-28536* #	US-PATENT-CLASS-102-378	c 01	N83-35992* #
US-PATENT-APPL-SN-906297	c 44	N79-14529* #	US-PATENT-APPL-SN-95183	c 08	N73-12175* #	US-PATENT-CLASS-102-39	c 20	N78-24275* #
US-PATENT-APPL-SN-906298	c 76	N80-18951* #	US-PATENT-APPL-SN-95189	c 74	N77-21941* #	US-PATENT-CLASS-102-49 3	c 20	N77-17143* #
US-PATENT-APPL-SN-906299	c 27	N80-16158* #	US-PATENT-APPL-SN-953313	c 32	N81-14187* #	US-PATENT-CLASS-102-49 5	c 31	N71-15687* #
US-PATENT-APPL-SN-907421	c 37	N81-14318* #	US-PATENT-APPL-SN-953314	c 37	N81-14319* #	US-PATENT-CLASS-102-49 5	c 15	N71-22874* #
US-PATENT-APPL-SN-907431	c 37	N81-25370* #	US-PATENT-APPL-SN-953389	c 74	N79-14892* #	US-PATENT-CLASS-102-49 5	c 31	N71-23008* #
US-PATENT-APPL-SN-907435	c 27	N80-10358* #	US-PATENT-APPL-SN-953390	c 74	N79-27185* #	US-PATENT-CLASS-102-49 5	c 31	N73-14853* #
US-PATENT-APPL-SN-907436	c 37	N80-14398* #	US-PATENT-APPL-SN-953391	c 74	N80-21138* #	US-PATENT-CLASS-102-49 7	c 28	N73-24784* #
US-PATENT-APPL-SN-907479	c 27	N80-24438* #	US-PATENT-APPL-SN-956160	c 72	N80-33186* #	US-PATENT-CLASS-102-49 8	c 20	N78-24725* #
US-PATENT-APPL-SN-909100	c 37	N79-28550* #	US-PATENT-APPL-SN-956161	c 32	N80-18253* #	US-PATENT-CLASS-102-49 8	c 28	N73-24784* #
US-PATENT-APPL-SN-909235	c 07	N81-19115* #	US-PATENT-APPL-SN-956166	c 27	N79-11215* #	US-PATENT-CLASS-102-49	c 33	N70-36846* #
US-PATENT-APPL-SN-909608	c 07	N81-19116* #	US-PATENT-APPL-SN-956168	c 33	N81-19393* #	US-PATENT-CLASS-102-49	c 28	N70-38181* #
US-PATENT-APPL-SN-910707	c 32	N80-20448* #	US-PATENT-APPL-SN-956529	c 27	N81-25209* #	US-PATENT-CLASS-102-49	c 03	N70-39930* #
US-PATENT-APPL-SN-910708	c 06	N80-18036* #	US-PATENT-APPL-SN-957452	c 35	N80-26635* #	US-PATENT-CLASS-102-49	c 15	N70-41679* #
US-PATENT-APPL-SN-910793	c 44	N80-16452* #	US-PATENT-APPL-SN-958573	c 32	N80-24510* #	US-PATENT-CLASS-102-49	c 28	N70-41967* #
US-PATENT-APPL-SN-910794	c 14	N81-26161* #	US-PATENT-APPL-SN-958575	c 25	N80-20334* #	US-PATENT-CLASS-102-49	c 31	N71-10582* #
US-PATENT-APPL-SN-910892	c 52	N78-27750* #	US-PATENT-APPL-SN-961831	c 27	N80-24437* #	US-PATENT-CLASS-102-49	c 15	N71-17899* #
US-PATENT-APPL-SN-910892	c 52	N81-24711* #	US-PATENT-APPL-SN-961832	c 33	N81-25299* #	US-PATENT-CLASS-102-49	c 31	N71-15692* #
US-PATENT-APPL-SN-91180	c 14	N70-40240* #	US-PATENT-APPL-SN-961833	c 37	N81-24442* #	US-PATENT-CLASS-102-49	c 31	N71-17730* #
US-PATENT-APPL-SN-912276	c 24	N81-29163* #	US-PATENT-APPL-SN-961833	c 37	N82-21587* #	US-PATENT-CLASS-102-504	c 15	N82-24272* #
US-PATENT-APPL-SN-914260	c 44	N79-26474* #	US-PATENT-APPL-SN-964009	c 02	N80-20224* #	US-PATENT-CLASS-102-50	c 31	N71-24750* #
US-PATENT-APPL-SN-915050	c 44	N81-12542* #	US-PATENT-APPL-SN-964754	c 33	N80-20487* #	US-PATENT-CLASS-102-56R	c 02	N81-14968* #
US-PATENT-APPL-SN-91642	c 14	N72-31446* #	US-PATENT-APPL-SN-964754	c 44	N81-29524* #	US-PATENT-CLASS-102-70 2A	c 28	N74-27425* #
US-PATENT-APPL-SN-916654	c 07	N81-29129* #	US-PATENT-APPL-SN-965368	c 33	N81-14221* #	US-PATENT-CLASS-102-70 2R	c 19	N74-15089* #
US-PATENT-APPL-SN-916655	c 44	N80-14472* #	US-PATENT-APPL-SN-965368	c 74	N81-17888* #	US-PATENT-CLASS-102-70 2	c 09	N71-18599* #
US-PATENT-APPL-SN-918533	c 32	N79-23310* #	US-PATENT-APPL-SN-969755	c 05	N81-19087* #	US-PATENT-CLASS-102-70-2R	c 28	N74-27425* #
US-PATENT-APPL-SN-918534	c 33	N80-32650* #	US-PATENT-APPL-SN-969756	c 37	N81-14317* #	US-PATENT-CLASS-102-70R	c 20	N78-24275* #
US-PATENT-APPL-SN-918535	c 35	N80-18357* #	US-PATENT-APPL-SN-969759	c 25	N82-11144* #	US-PATENT-CLASS-102-90	c 15	N74-27360* #
US-PATENT-APPL-SN-918537	c 26	N80-14229* #	US-PATENT-APPL-SN-969760	c 39	N81-25400* #	US-PATENT-CLASS-102-92 1	c 02	N81-14968* #
US-PATENT-APPL-SN-918705	c 52	N82-33996* #	US-PATENT-APPL-SN-969761	c 32	N82-12297* #	US-PATENT-CLASS-102-95	c 11	N73-32152* #
US-PATENT-APPL-SN-								

US-PATENT-CLASS-104-138R

REPORT NUMBER INDEX

US-PATENT-CLASS-104-138R	c 85	N74-34672* #	US-PATENT-CLASS-117-104	c 18	N71-26100*	US-PATENT-CLASS-118-49	c 25	N79-28253* #
US-PATENT-CLASS-104-139	c 05	N71-28619*	US-PATENT-CLASS-117-105 2	c 37	N74-11301* #	US-PATENT-CLASS-118-500	c 37	N78-17383* #
US-PATENT-CLASS-104-1	c 05	N71-28619*	US-PATENT-CLASS-117-105 2	c 24	N75-33181*	US-PATENT-CLASS-118-500	c 37	N82-12441* #
US-PATENT-CLASS-104-23FS	c 85	N74-34672* #	US-PATENT-CLASS-117-105 5	c 15	N73-32360*	US-PATENT-CLASS-118-500	c 37	N82-24492* #
US-PATENT-CLASS-104-282	c 37	N83-32067* #	US-PATENT-CLASS-117-105	c 15	N73-32360*	US-PATENT-CLASS-118-503	c 37	N82-24492* #
US-PATENT-CLASS-104-290	c 37	N83-32067* #	US-PATENT-CLASS-117-106A	c 70	N74-13436* #	US-PATENT-CLASS-118-505	c 37	N82-24492* #
US-PATENT-CLASS-104-43	c 37	N82-21587* #	US-PATENT-CLASS-117-106A	c 37	N75-15992* #	US-PATENT-CLASS-118-50	c 37	N78-17383* #
US-PATENT-CLASS-105-1A	c 37	N82-21587* #	US-PATENT-CLASS-117-106A	c 25	N75-26043* #	US-PATENT-CLASS-118-50	c 37	N81-33482* #
US-PATENT-CLASS-105-161	c 43	N79-26439* #	US-PATENT-CLASS-117-106	c 33	N71-14032* #	US-PATENT-CLASS-118-52	c 37	N81-33482* #
US-PATENT-CLASS-105-171	c 37	N82-21587* #	US-PATENT-CLASS-117-107 2	c 25	N75-26043* #	US-PATENT-CLASS-118-6	c 51	N77-27677* #
US-PATENT-CLASS-105-180	c 37	N82-21587* #	US-PATENT-CLASS-117-107	c 15	N72-25447* #	US-PATENT-CLASS-118-7	c 51	N77-27677* #
US-PATENT-CLASS-105-2R	c 85	N82-33288* #	US-PATENT-CLASS-117-107	c 76	N79-16678* #	US-PATENT-CLASS-118-9	c 51	N77-27677* #
US-PATENT-CLASS-105-218R	c 37	N82-21587* #	US-PATENT-CLASS-117-119	c 18	N71-16105*	US-PATENT-CLASS-119-15	c 11	N71-22875*
US-PATENT-CLASS-106-1 2	c 44	N79-31752* #	US-PATENT-CLASS-117-119	c 76	N79-16678* #	US-PATENT-CLASS-119-17	c 51	N81-32829* #
US-PATENT-CLASS-106-13	c 23	N75-14834* #	US-PATENT-CLASS-117-124C	c 15	N72-25452* #	US-PATENT-CLASS-119-18	c 51	N81-32829* #
US-PATENT-CLASS-106-15FP	c 27	N74-27037* #	US-PATENT-CLASS-117-124F	c 23	N75-14834* #	US-PATENT-CLASS-119-29	c 51	N78-27733* #
US-PATENT-CLASS-106-15FP	c 27	N76-24405* #	US-PATENT-CLASS-117-126GM	c 37	N75-26371* #	US-PATENT-CLASS-119-51 11	c 35	N78-19466* #
US-PATENT-CLASS-106-15FP	c 24	N78-15180* #	US-PATENT-CLASS-117-126GR	c 27	N74-23125* #	US-PATENT-CLASS-119-51 13	c 51	N74-15778* #
US-PATENT-CLASS-106-15R	c 23	N75-14834* #	US-PATENT-CLASS-117-126R	c 37	N75-26371* #	US-PATENT-CLASS-119-51 5	c 51	N74-15778* #
US-PATENT-CLASS-106-15	c 18	N71-14014* #	US-PATENT-CLASS-117-129	c 37	N74-21063* #	US-PATENT-CLASS-119-51R	c 51	N74-15778* #
US-PATENT-CLASS-106-15	c 18	N71-15469* #	US-PATENT-CLASS-117-129	c 27	N75-27160* #	US-PATENT-CLASS-119-52AF	c 51	N74-15778* #
US-PATENT-CLASS-106-18 16	c 27	N82-16238* #	US-PATENT-CLASS-117-130R	c 15	N73-32360*	US-PATENT-CLASS-119-54	c 51	N74-15778* #
US-PATENT-CLASS-106-18 24	c 27	N82-16238* #	US-PATENT-CLASS-117-132B	c 27	N74-23125* #	US-PATENT-CLASS-119-72 5	c 35	N78-19466* #
US-PATENT-CLASS-106-197	c 25	N82-29370* #	US-PATENT-CLASS-117-132	c 06	N72-25150* #	US-PATENT-CLASS-119-96	c 05	N78-19466* #
US-PATENT-CLASS-106-1	c 44	N79-31752* #	US-PATENT-CLASS-117-135 5	c 23	N75-14834* #	US-PATENT-CLASS-121-38	c 15	N70-35409* #
US-PATENT-CLASS-106-209	c 05	N72-25120* #	US-PATENT-CLASS-117-138 BR	c 15	N73-32360*	US-PATENT-CLASS-121-38	c 02	N71-29128*
US-PATENT-CLASS-106-286	c 18	N72-22566* #	US-PATENT-CLASS-117-151	c 15	N73-32360*	US-PATENT-CLASS-122-32	c 33	N72-20915* #
US-PATENT-CLASS-106-287SB	c 23	N75-14834* #	US-PATENT-CLASS-117-152	c 15	N72-25452* #	US-PATENT-CLASS-122-40	c 25	N82-11144* #
US-PATENT-CLASS-106-288B	c 18	N72-22566* #	US-PATENT-CLASS-117-16R	c 15	N72-25452* #	US-PATENT-CLASS-123-DIG 12	c 37	N76-18457* #
US-PATENT-CLASS-106-292	c 18	N72-17532* #	US-PATENT-CLASS-117-160R	c 15	N73-32360*	US-PATENT-CLASS-123-DIG 12	c 44	N78-33526* #
US-PATENT-CLASS-106-292	c 27	N77-30237* #	US-PATENT-CLASS-117-161P	c 06	N73-27980*	US-PATENT-CLASS-123-DIG 8	c 28	N80-10374* #
US-PATENT-CLASS-106-296	c 18	N71-26772* #	US-PATENT-CLASS-117-161UA	c 25	N75-12087* #	US-PATENT-CLASS-123-DIG 8	c 37	N77-31497* #
US-PATENT-CLASS-106-296	c 27	N77-30237* #	US-PATENT-CLASS-117-161UN	c 06	N73-27980*	US-PATENT-CLASS-123-1A	c 44	N76-29700* #
US-PATENT-CLASS-106-296	c 24	N79-14156* #	US-PATENT-CLASS-117-161UN	c 27	N74-23125* #	US-PATENT-CLASS-123-1A	c 44	N78-33526* #
US-PATENT-CLASS-106-299	c 18	N72-17532* #	US-PATENT-CLASS-117-161UN	c 25	N75-12087* #	US-PATENT-CLASS-123-102	c 11	N72-20244* #
US-PATENT-CLASS-106-299	c 27	N77-30237* #	US-PATENT-CLASS-117-161UZ	c 25	N75-12087* #	US-PATENT-CLASS-123-119A	c 37	N77-31497* #
US-PATENT-CLASS-106-306	c 24	N76-24363* #	US-PATENT-CLASS-117-161	c 06	N72-25150* #	US-PATENT-CLASS-123-119E	c 37	N76-18457* #
US-PATENT-CLASS-106-39 5	c 27	N78-19302* #	US-PATENT-CLASS-117-2R	c 32	N74-27612* #	US-PATENT-CLASS-123-120	c 37	N76-18457* #
US-PATENT-CLASS-106-39R	c 18	N73-14584* #	US-PATENT-CLASS-117-200	c 09	N72-25259* #	US-PATENT-CLASS-123-121	c 37	N76-18457* #
US-PATENT-CLASS-106-39	c 26	N72-28762* #	US-PATENT-CLASS-117-201	c 15	N69-21460* #	US-PATENT-CLASS-123-122AB	c 28	N72-27272* #
US-PATENT-CLASS-106-40	c 18	N71-22998* #	US-PATENT-CLASS-117-201	c 18	N71-16046*	US-PATENT-CLASS-123-122AB	c 37	N77-31497* #
US-PATENT-CLASS-106-43	c 27	N78-17206* #	US-PATENT-CLASS-117-201	c 03	N72-24037* #	US-PATENT-CLASS-123-122E	c 07	N71-29106* #
US-PATENT-CLASS-106-43	c 37	N81-25371* #	US-PATENT-CLASS-117-201	c 25	N75-26043* #	US-PATENT-CLASS-123-122E	c 37	N78-10467* #
US-PATENT-CLASS-106-46	c 26	N72-28762* #	US-PATENT-CLASS-117-211	c 15	N72-25447* #	US-PATENT-CLASS-123-148CB	c 33	N77-28385* #
US-PATENT-CLASS-106-48	c 27	N75-27160* #	US-PATENT-CLASS-117-212	c 09	N71-20705*	US-PATENT-CLASS-123-148DC	c 37	N79-11405* #
US-PATENT-CLASS-106-48	c 27	N78-32260* #	US-PATENT-CLASS-117-212	c 15	N71-29032*	US-PATENT-CLASS-123-148E	c 33	N77-28385* #
US-PATENT-CLASS-106-50	c 27	N82-29452* #	US-PATENT-CLASS-117-212	c 26	N72-28762* #	US-PATENT-CLASS-123-148E	c 37	N79-11405* #
US-PATENT-CLASS-106-50	c 27	N82-29454* #	US-PATENT-CLASS-117-217	c 15	N72-25447* #	US-PATENT-CLASS-123-179R	c 28	N80-10374* #
US-PATENT-CLASS-106-50	c 27	N82-29455* #	US-PATENT-CLASS-117-217	c 26	N72-28762* #	US-PATENT-CLASS-123-197R	c 37	N83-36483* #
US-PATENT-CLASS-106-52	c 37	N74-21063* #	US-PATENT-CLASS-117-21	c 18	N69-39895* #	US-PATENT-CLASS-123-37	c 37	N77-31497* #
US-PATENT-CLASS-106-52	c 27	N82-29451* #	US-PATENT-CLASS-117-224	c 15	N71-28582*	US-PATENT-CLASS-123-3	c 44	N76-18642* #
US-PATENT-CLASS-106-52	c 27	N82-29452* #	US-PATENT-CLASS-117-228	c 06	N73-27980*	US-PATENT-CLASS-123-3	c 44	N76-29700* #
US-PATENT-CLASS-106-52	c 27	N82-29454* #	US-PATENT-CLASS-117-234	c 76	N79-16678* #	US-PATENT-CLASS-123-3	c 44	N77-10636* #
US-PATENT-CLASS-106-52	c 27	N82-29455* #	US-PATENT-CLASS-117-235	c 76	N79-16678* #	US-PATENT-CLASS-123-3	c 37	N77-31497* #
US-PATENT-CLASS-106-54	c 27	N75-27160* #	US-PATENT-CLASS-117-237	c 76	N79-16678* #	US-PATENT-CLASS-123-3	c 44	N78-33526* #
US-PATENT-CLASS-106-54	c 27	N76-22377* #	US-PATENT-CLASS-117-239	c 76	N79-16678* #	US-PATENT-CLASS-123-3	c 28	N80-10374* #
US-PATENT-CLASS-106-54	c 27	N76-23426* #	US-PATENT-CLASS-117-240	c 76	N79-16678* #	US-PATENT-CLASS-123-41 33	c 07	N77-23106* #
US-PATENT-CLASS-106-54	c 27	N78-32260* #	US-PATENT-CLASS-117-33 3	c 70	N74-13436* #	US-PATENT-CLASS-123-41 33	c 37	N78-10467* #
US-PATENT-CLASS-106-54	c 27	N82-29452* #	US-PATENT-CLASS-117-35R	c 06	N73-13128* #	US-PATENT-CLASS-123-59E	c 37	N77-31497* #
US-PATENT-CLASS-106-54	c 27	N82-29454* #	US-PATENT-CLASS-117-35	c 32	N79-19186* #	US-PATENT-CLASS-123-78E	c 37	N83-36483* #
US-PATENT-CLASS-106-55	c 18	N73-14584* #	US-PATENT-CLASS-117-37	c 15	N72-25452* #	US-PATENT-CLASS-123-89A	c 37	N76-18457* #
US-PATENT-CLASS-106-58	c 18	N73-14584* #	US-PATENT-CLASS-117-38	c 24	N75-33181*	US-PATENT-CLASS-124-11R	c 75	N76-17951* #
US-PATENT-CLASS-106-63	c 18	N73-14584* #	US-PATENT-CLASS-117-43	c 31	N79-21227* #	US-PATENT-CLASS-124-1	c 75	N76-17951* #
US-PATENT-CLASS-106-65	c 27	N78-19302* #	US-PATENT-CLASS-117-45	c 74	N74-20008*	US-PATENT-CLASS-124-6	c 09	N77-19076* #
US-PATENT-CLASS-107 3 5	c 27	N78-19302* #	US-PATENT-CLASS-117-46FS	c 24	N75-33181*	US-PATENT-CLASS-125-1	c 46	N74-23069* #
US-PATENT-CLASS-106-74	c 18	N69-39979* #	US-PATENT-CLASS-117-46	c 15	N71-16077*	US-PATENT-CLASS-125-20	c 31	N83-27058* #
US-PATENT-CLASS-106-74	c 24	N79-31347* #	US-PATENT-CLASS-117-47R	c 15	N72-25452* #	US-PATENT-CLASS-125-21	c 37	N80-29703* #
US-PATENT-CLASS-106-84	c 18	N71-24183*	US-PATENT-CLASS-117-50	c 15	N71-15810*	US-PATENT-CLASS-125-23R	c 76	N80-18951* #
US-PATENT-CLASS-106-84	c 18	N71-24184*	US-PATENT-CLASS-117-62	c 15	N72-25447* #	US-PATENT-CLASS-125-23R	c 37	N82-32730* #
US-PATENT-CLASS-106-84	c 18	N72-22568* #	US-PATENT-CLASS-117-62	c 15	N72-25452* #	US-PATENT-CLASS-125-3	c 46	N74-23069* #
US-PATENT-CLASS-106-84	c 18	N72-23581* #	US-PATENT-CLASS-117-65 2	c 18	N71-10772*	US-PATENT-CLASS-126-263	c 44	N77-32581* #
US-PATENT-CLASS-106-84	c 24	N79-14156* #	US-PATENT-CLASS-117-66	c 15	N73-32360*	US-PATENT-CLASS-126-263	c 44	N78-17460* #
US-PATENT-CLASS-106-84	c 24	N79-31347* #	US-PATENT-CLASS-117-69	c 18	N70-36400*	US-PATENT-CLASS-126-263	c 44	N80-20808* #
US-PATENT-CLASS-106-88	c 18	N71-16124*	US-PATENT-CLASS-117-69	c 15	N71-16075*	US-PATENT-CLASS-126-270	c 09	N70-40234* #
US-PATENT-CLASS-108-136	c 09	N75-12968* #	US-PATENT-CLASS-117-6	c 14	N71-20461*	US-PATENT-CLASS-126-270	c 03	N70-41580* #
US-PATENT-CLASS-109-49 5	c 31	N81-19343* #	US-PATENT-CLASS-117-6	c 27	N81-15104* #	US-PATENT-CLASS-126-270	c 34	N74-23039* #
US-PATENT-CLASS-109-58 5	c 31	N81-19343* #	US-PATENT-CLASS-117-72	c 35	N75-25122* #	US-PATENT-CLASS-126-270	c 44	N76-14595* #
US-PATENT-CLASS-110-218	c 31	N81-15154* #	US-PATENT-CLASS-117-8 5	c 24	N75-33181*	US-PATENT-CLASS-126-270	c 44	N76-23675* #
US-PATENT-CLASS-110-229	c 31	N81-15154* #	US-PATENT-CLASS-117-93 1GD	c 25	N75-12087* #	US-PATENT-CLASS-126-270	c 44	N76-24696* #
US-PATENT-CLASS-110-232	c 31	N81-15154* #	US-PATENT-CLASS-117-93 16D	c 15	N72-25447* #	US-PATENT-CLASS-126-270	c 35	N77-20401* #
US-PATENT-CLASS-110-234	c 25	N82-11144* #	US-PATENT-CLASS-117-93 3	c 15	N72-25452* #	US-PATENT-CLASS-126-270	c 44	N77-32582* #
US-PATENT-CLASS-110-245	c 25	N82-11144* #	US-PATENT-CLASS-117-93 3	c 37	N75-15992* #	US-PATENT-CLASS-126-270	c 44	N78-15560* #
US-PATENT-CLASS-110-255	c 25	N82-11144* #	US-PATENT-CLASS-117-95	c 24	N74-19769* #	US-PATENT-CLASS-126-270	c 44	N78-19599* #
US-PATENT-CLASS-110-266	c 25	N82-11144* #	US-PATENT-CLASS-117-95	c 36	N75-15029* #	US-PATENT-CLASS-126-270	c 44	N78-31526* #
US-PATENT-CLASS-110-343	c 31	N81-15154* #	US-PATENT-CLASS-117-97	c 36	N75-15029* #	US-PATENT-CLASS-126-270	c 44	N79-11471* #
US-PATENT-CLASS-110-347	c 31	N81-15154* #	US-PATENT-CLASS-118-11	c 15	N71-17647*	US-PATENT-CLASS-126-270	c 44	N79-14526* #
US-PATENT-CLASS-112-402	c 18	N71-26285*	US-PATENT-CLASS-118-308	c 17	N71-24911*	US-PATENT-CLASS-126-270	c 44	N79-23481* #
US-PATENT-CLASS-113-116	c 15	N71-15597* #	US-PATENT-CLASS-118-313	c 51	N77-27677* #	US-PATENT-CLASS-126-270	c 44	N79-24432* #
US-PATENT-CLASS-114-122	c 02	N73-26006* #	US-PATENT-CLASS-118-320	c 37	N82-24492* #	US-PATENT-CLASS-126-271	c 44	N75-32581* #
US-PATENT-CLASS-114-16 6	c 37	N76-22540* #	US-PATENT-CLASS-118-423	c 37	N82-12441* #	US-PATENT-CLASS-126-271	c 44	N76-14602* #
US-PATENT-CLASS-114-66 5	c 12	N70-33305*	US-PATENT-CLASS-118-43	c 25	N75-29192* #	US-PATENT-CLASS-126-271	c 44	N76-22657* #
US-PATENT-CLASS-115-103 5	c 51	N75-13502* #	US-PATENT-CLASS-118-48	c 25	N75-26043* #	US-PATENT-CLASS-126-271	c 44	N76-24696* #
US-PATENT-CLASS-116-114 5	c 35	N75-25122* #	US-PATENT-CLASS-118-49 1	c 15	N72-32487* #	US-PATENT-CLASS-126-271	c 35	N77-20401* #
US-PATENT-CLASS-116-114AH	c 14	N72-25411* #	US-PATENT-CLASS-118-49 1	c 31	N75-12161* #	US-PATENT-CLASS-126-271	c 44	N77-32582* #
US-PATENT-CLASS-116-114AH	c 35	N75-33367* #	US-PATENT-CLASS-118-49 1	c 25	N75-26043* #	US-PATENT-CLASS-126-271	c 44	N78-10554* #
US-PATENT-CLASS-116-117	c 14	N70-42074*						

US-PATENT-CLASS-126-271	c 44	N78-31525* #	US-PATENT-CLASS-128-2 1E	c 05	N72-27103* #	US-PATENT-CLASS-128-665	c 52	N81-27783* #
US-PATENT-CLASS-126-271	c 44	N78-31526* #	US-PATENT-CLASS-128-2.1E	c 35	N76-24525* #	US-PATENT-CLASS-128-666	c 52	N80-23969* #
US-PATENT-CLASS-126-271	c 44	N79-11471* #	US-PATENT-CLASS-128-2.1E	c 52	N77-28717* #	US-PATENT-CLASS-128-686	c 52	N82-11770* #
US-PATENT-CLASS-126-271	c 44	N79-14526* #	US-PATENT-CLASS-128-2 1R	c 05	N73-26072* #	US-PATENT-CLASS-128-690	c 52	N80-23969* #
US-PATENT-CLASS-126-271	c 44	N79-14529* #	US-PATENT-CLASS-128-2 1Z	c 35	N76-24525* #	US-PATENT-CLASS-128-691	c 52	N82-11770* #
US-PATENT-CLASS-126-271	c 44	N79-18443* #	US-PATENT-CLASS-128-2.1	c 05	N71-11193* #	US-PATENT-CLASS-128-6	c 52	N80-16725* #
US-PATENT-CLASS-126-271	c 44	N79-23481* #	US-PATENT-CLASS-128-2 1	c 05	N71-12346* #	US-PATENT-CLASS-128-748	c 52	N80-18691* #
US-PATENT-CLASS-126-271	c 44	N79-24433* #	US-PATENT-CLASS-128-2 1	c 05	N71-24729* #	US-PATENT-CLASS-128-760	c 52	N80-18690* #
US-PATENT-CLASS-126-271	c 44	N79-24433* #	US-PATENT-CLASS-128-2 1	c 09	N71-26002* #	US-PATENT-CLASS-128-760	c 52	N81-29763* #
US-PATENT-CLASS-126-400	c 44	N78-15560* #	US-PATENT-CLASS-128-2 1	c 05	N72-25120* #	US-PATENT-CLASS-128-761	c 52	N81-24711* #
US-PATENT-CLASS-126-400	c 44	N79-24433* #	US-PATENT-CLASS-128-2 1	c 54	N76-14804* #	US-PATENT-CLASS-128-774	c 52	N80-27072* #
US-PATENT-CLASS-126-417	c 44	N80-16452* #	US-PATENT-CLASS-128-2F	c 52	N76-14757* #	US-PATENT-CLASS-128-774	c 52	N81-20703* #
US-PATENT-CLASS-126-419	c 44	N80-20810* #	US-PATENT-CLASS-128-2H	c 52	N76-29894* #	US-PATENT-CLASS-128-774	c 52	N83-25346* #
US-PATENT-CLASS-126-419	c 44	N81-17518* #	US-PATENT-CLASS-128-2H	c 52	N77-10780* #	US-PATENT-CLASS-128-778	c 52	N82-22875* #
US-PATENT-CLASS-126-422	c 44	N82-18686* #	US-PATENT-CLASS-128-2H	c 52	N77-14736* #	US-PATENT-CLASS-128-782	c 52	N80-27072* #
US-PATENT-CLASS-126-429	c 44	N82-18686* #	US-PATENT-CLASS-128-2H	c 05	N72-25122* #	US-PATENT-CLASS-128-782	c 39	N83-20280* #
US-PATENT-CLASS-126-430	c 44	N82-18686* #	US-PATENT-CLASS-128-2N	c 05	N73-13114* #	US-PATENT-CLASS-128-782	c 52	N83-25346* #
US-PATENT-CLASS-126-434	c 44	N80-20810* #	US-PATENT-CLASS-128-2N	c 52	N76-29894* #	US-PATENT-CLASS-128-784	c 52	N82-33996* #
US-PATENT-CLASS-126-437	c 44	N80-20810* #	US-PATENT-CLASS-128-2P	c 09	N72-22202* #	US-PATENT-CLASS-128-80F	c 52	N81-25661* #
US-PATENT-CLASS-126-438	c 44	N80-14473* #	US-PATENT-CLASS-128-2R	c 52	N79-12694* #	US-PATENT-CLASS-128-804	c 52	N82-33996* #
US-PATENT-CLASS-126-438	c 44	N82-16475* #	US-PATENT-CLASS-128-2S	c 52	N74-10975* #	US-PATENT-CLASS-128-89R	c 52	N81-25662* #
US-PATENT-CLASS-126-442	c 44	N80-14473* #	US-PATENT-CLASS-128-2S	c 52	N74-27864* #	US-PATENT-CLASS-128-903	c 52	N80-18691* #
US-PATENT-CLASS-126-442	c 44	N80-16452* #	US-PATENT-CLASS-128-2S	c 33	N75-31329* #	US-PATENT-CLASS-128-92C	c 27	N78-17215* #
US-PATENT-CLASS-126-901	c 44	N83-34449* #	US-PATENT-CLASS-128-2S	c 33	N76-19338* #	US-PATENT-CLASS-128-92G	c 27	N78-17215* #
US-PATENT-CLASS-126-91A	c 25	N79-11151* #	US-PATENT-CLASS-128-2S	c 52	N76-29895* #	US-PATENT-CLASS-129-16 7	c 08	N71-15908* #
US-PATENT-CLASS-128 2 06E	c 05	N75-24716* #	US-PATENT-CLASS-128-2S	c 52	N76-29896* #	US-PATENT-CLASS-13-20	c 11	N72-23215* #
US-PATENT-CLASS-128 2 07	c 52	N79-21750* #	US-PATENT-CLASS-128-2S	c 52	N74-20726* #	US-PATENT-CLASS-13-20	c 12	N79-26075* #
US-PATENT-CLASS-128-DIG 12	c 37	N77-28487* #	US-PATENT-CLASS-128-2V	c 35	N75-12271* #	US-PATENT-CLASS-13-22	c 12	N79-26075* #
US-PATENT-CLASS-128-DIG 12	c 51	N81-14605* #	US-PATENT-CLASS-128-2V	c 54	N75-27760* #	US-PATENT-CLASS-13-24	c 12	N79-26075* #
US-PATENT-CLASS-128-DIG 13	c 52	N83-27577* #	US-PATENT-CLASS-128-2V	c 52	N79-14751* #	US-PATENT-CLASS-13-26	c 33	N71-15625* #
US-PATENT-CLASS-128-DIG 16	c 51	N81-14605* #	US-PATENT-CLASS-128-2V	c 52	N79-18580* #	US-PATENT-CLASS-13-26	c 14	N71-23267* #
US-PATENT-CLASS-128-DIG 20	c 52	N76-19785* #	US-PATENT-CLASS-128-2V	c 54	N76-24900* #	US-PATENT-CLASS-13-31	c 11	N72-23215* #
US-PATENT-CLASS-128-DIG 20	c 37	N81-17433* #	US-PATENT-CLASS-128-203	c 51	N81-14605* #	US-PATENT-CLASS-13-31	c 31	N74-27900* #
US-PATENT-CLASS-128-DIG 25	c 52	N81-25660* #	US-PATENT-CLASS-128-204 18	c 14	N73-24473* #	US-PATENT-CLASS-13-35	c 33	N71-24145* #
US-PATENT-CLASS-128-DIG 26	c 51	N81-14605* #	US-PATENT-CLASS-128-206F	c 15	N81-14605* #	US-PATENT-CLASS-13-137	c 37	N82-12441* #
US-PATENT-CLASS-128-DIG 4	c 05	N72-27103* #	US-PATENT-CLASS-128-207 14	c 51	N81-14605* #	US-PATENT-CLASS-134-17	c 43	N81-26509* #
US-PATENT-CLASS-128-DIG 4	c 05	N75-24716* #	US-PATENT-CLASS-128-207 28	c 51	N81-14605* #	US-PATENT-CLASS-134-21	c 37	N76-18456* #
US-PATENT-CLASS-128-DIG 4	c 35	N76-24525* #	US-PATENT-CLASS-128-212	c 54	N80-10799* #	US-PATENT-CLASS-134-37	c 37	N76-18456* #
US-PATENT-CLASS-128-DIG 4	c 52	N77-28717* #	US-PATENT-CLASS-128-214D	c 52	N79-14749* #	US-PATENT-CLASS-135-1	c 32	N70-36536* #
US-PATENT-CLASS-128-DIG 6	c 51	N81-14605* #	US-PATENT-CLASS-128-214E	c 52	N74-22771* #	US-PATENT-CLASS-136-100R	c 03	N72-20034* #
US-PATENT-CLASS-128-DIG 9	c 52	N80-16725* #	US-PATENT-CLASS-128-214F	c 37	N77-28487* #	US-PATENT-CLASS-136-114	c 44	N76-14601* #
US-PATENT-CLASS-128-DIG 9	c 51	N81-14605* #	US-PATENT-CLASS-128-230	c 52	N75-33640* #	US-PATENT-CLASS-136-132	c 03	N71-10503* #
US-PATENT-CLASS-128-1 2	c 52	N82-22875* #	US-PATENT-CLASS-128-236	c 51	N81-14605* #	US-PATENT-CLASS-136-132	c 03	N71-22974* #
US-PATENT-CLASS-128-1A	c 05	N73-32012* #	US-PATENT-CLASS-128-24A	c 05	N73-27062* #	US-PATENT-CLASS-136-133	c 15	N69-24320* #
US-PATENT-CLASS-128-1R	c 52	N77-25772* #	US-PATENT-CLASS-128-24A	c 54	N75-27760* #	US-PATENT-CLASS-136-133	c 03	N71-23006* #
US-PATENT-CLASS-128-1R	c 52	N77-28716* #	US-PATENT-CLASS-128-24	c 05	N71-24738* #	US-PATENT-CLASS-136-133	c 03	N72-15986* #
US-PATENT-CLASS-128-1R	c 52	N81-25660* #	US-PATENT-CLASS-128-25R	c 37	N74-18127* #	US-PATENT-CLASS-136-135	c 03	N72-15986* #
US-PATENT-CLASS-128-142 2	c 54	N76-24900* #	US-PATENT-CLASS-128-25	c 05	N71-24738* #	US-PATENT-CLASS-136-143	c 44	N76-29699* #
US-PATENT-CLASS-128-142 5	c 05	N71-11190* #	US-PATENT-CLASS-128-26	c 52	N76-19785* #	US-PATENT-CLASS-136-146	c 03	N69-21337* #
US-PATENT-CLASS-128-142 5	c 05	N71-11203* #	US-PATENT-CLASS-128-272	c 15	N71-24835* #	US-PATENT-CLASS-136-146	c 24	N76-14204* #
US-PATENT-CLASS-128-142 5	c 05	N71-17599* #	US-PATENT-CLASS-128-272	c 52	N79-14749* #	US-PATENT-CLASS-136-148	c 24	N76-14204* #
US-PATENT-CLASS-128-142 5	c 05	N72-20096* #	US-PATENT-CLASS-128-275	c 15	N71-24835* #	US-PATENT-CLASS-136-148	c 44	N82-24645* #
US-PATENT-CLASS-128-142 5	c 05	N73-25125* #	US-PATENT-CLASS-128-276	c 52	N81-29763* #	US-PATENT-CLASS-136-162	c 44	N76-14601* #
US-PATENT-CLASS-128-142 7	c 54	N78-32721* #	US-PATENT-CLASS-128-276	c 52	N80-18690* #	US-PATENT-CLASS-136-166	c 03	N71-23336* #
US-PATENT-CLASS-128-142R	c 54	N80-10799* #	US-PATENT-CLASS-128-280	c 24	N82-29362* #	US-PATENT-CLASS-136-175	c 03	N72-20032* #
US-PATENT-CLASS-128-145 8	c 54	N75-27761* #	US-PATENT-CLASS-128-283	c 05	N69-23192* #	US-PATENT-CLASS-136-179	c 03	N71-11051* #
US-PATENT-CLASS-128-191R	c 25	N74-12813* #	US-PATENT-CLASS-128-283	c 24	N82-29362* #	US-PATENT-CLASS-136-182	c 03	N72-20034* #
US-PATENT-CLASS-128-191R	c 54	N80-10799* #	US-PATENT-CLASS-128-284	c 24	N82-29362* #	US-PATENT-CLASS-136-182	c 03	N70-41864* #
US-PATENT-CLASS-128-1	c 05	N70-41819* #	US-PATENT-CLASS-128-285	c 24	N82-29362* #	US-PATENT-CLASS-136-182	c 03	N71-10728* #
US-PATENT-CLASS-128-1	c 05	N71-20268* #	US-PATENT-CLASS-128-288	c 24	N82-29362* #	US-PATENT-CLASS-136-182	c 03	N71-20407* #
US-PATENT-CLASS-128-2 05A	c 52	N74-26626* #	US-PATENT-CLASS-128-291	c 24	N82-29362* #	US-PATENT-CLASS-136-182	c 03	N71-20491* #
US-PATENT-CLASS-128-2 05A	c 54	N75-13531* #	US-PATENT-CLASS-128-295	c 05	N72-22093* #	US-PATENT-CLASS-136-182	c 44	N74-27519* #
US-PATENT-CLASS-128-2 05E	c 52	N74-25666* #	US-PATENT-CLASS-128-295	c 52	N81-24711* #	US-PATENT-CLASS-136-202	c 09	N72-12136* #
US-PATENT-CLASS-128-2 05E	c 52	N76-29896* #	US-PATENT-CLASS-128-295	c 52	N81-28740* #	US-PATENT-CLASS-136-202	c 03	N72-26031* #
US-PATENT-CLASS-128-2 05F	c 14	N73-32326* #	US-PATENT-CLASS-128-296	c 24	N82-29362* #	US-PATENT-CLASS-136-202	c 44	N76-16612* #
US-PATENT-CLASS-128-2 05P	c 54	N75-13531* #	US-PATENT-CLASS-128-29	c 05	N70-39922* #	US-PATENT-CLASS-136-202	c 35	N77-32454* #
US-PATENT-CLASS-128-2 05R	c 05	N73-27941* #	US-PATENT-CLASS-128-2	c 05	N73-27062* #	US-PATENT-CLASS-136-202	c 35	N79-14346* #
US-PATENT-CLASS-128-2 05R	c 52	N76-29895* #	US-PATENT-CLASS-128-303B	c 52	N83-25346* #	US-PATENT-CLASS-136-206	c 03	N72-11062* #
US-PATENT-CLASS-128-2 05R	c 52	N79-10724* #	US-PATENT-CLASS-128-303R	c 05	N77-28716* #	US-PATENT-CLASS-136-206	c 09	N72-12136* #
US-PATENT-CLASS-128-2 05S	c 52	N74-26626* #	US-PATENT-CLASS-128-305	c 52	N73-27062* #	US-PATENT-CLASS-136-206	c 44	N76-14595* #
US-PATENT-CLASS-128-2 05T	c 52	N74-12778* #	US-PATENT-CLASS-128-305	c 52	N75-33640* #	US-PATENT-CLASS-136-206	c 44	N76-13666* #
US-PATENT-CLASS-128-2 05V	c 35	N76-24525* #	US-PATENT-CLASS-128-305	c 52	N78-14773* #	US-PATENT-CLASS-136-20	c 44	N74-19693* #
US-PATENT-CLASS-128-2 05Z	c 54	N75-27760* #	US-PATENT-CLASS-128-327	c 52	N82-11770* #	US-PATENT-CLASS-136-210	c 44	N76-16612* #
US-PATENT-CLASS-128-2 05Z	c 52	N79-18580* #	US-PATENT-CLASS-128-329R	c 52	N79-27836* #	US-PATENT-CLASS-136-211	c 35	N76-15434* #
US-PATENT-CLASS-128-2 05	c 05	N70-41329* #	US-PATENT-CLASS-128-346	c 52	N81-25660* #	US-PATENT-CLASS-136-212	c 35	N76-15434* #
US-PATENT-CLASS-128-2 05	c 04	N71-23185* #	US-PATENT-CLASS-128-348	c 52	N80-16725* #	US-PATENT-CLASS-136-213	c 34	N74-27861* #
US-PATENT-CLASS-128-2 05	c 05	N71-27234* #	US-PATENT-CLASS-128-379	c 52	N77-14736* #	US-PATENT-CLASS-136-224	c 14	N73-12447* #
US-PATENT-CLASS-128-2 06B	c 05	N75-24716* #	US-PATENT-CLASS-128-400	c 05	N72-20096* #	US-PATENT-CLASS-136-225	c 14	N73-24472* #
US-PATENT-CLASS-128-2 06B	c 52	N76-29896* #	US-PATENT-CLASS-128-402	c 52	N77-14736* #	US-PATENT-CLASS-136-225	c 35	N76-15434* #
US-PATENT-CLASS-128-2 06F	c 52	N74-12778* #	US-PATENT-CLASS-128-402	c 05	N77-28717* #	US-PATENT-CLASS-136-227	c 09	N72-12136* #
US-PATENT-CLASS-128-2 06R	c 05	N73-27941* #	US-PATENT-CLASS-128-410	c 52	N72-25120* #	US-PATENT-CLASS-136-228	c 33	N71-15568* #
US-PATENT-CLASS-128-2 06R	c 52	N76-14757* #	US-PATENT-CLASS-128-417	c 05	N72-27103* #	US-PATENT-CLASS-136-230	c 14	N71-23039* #
US-PATENT-CLASS-128-2 06	c 05	N69-21925* #	US-PATENT-CLASS-128-417	c 05	N76-29896* #	US-PATENT-CLASS-136-230	c 34	N74-27861* #
US-PATENT-CLASS-128-2 06	c 09	N71-22896* #	US-PATENT-CLASS-128-418	c 52	N77-14738* #	US-PATENT-CLASS-136-232	c 35	N74-14009* #
US-PATENT-CLASS-128-2 06	c 05	N71-26293* #	US-PATENT-CLASS-128-418P	c 52	N76-29896* #	US-PATENT-CLASS-136-233	c 14	N72-27410* #
US-PATENT-CLASS-128-2 07	c 05	N73-32015* #	US-PATENT-CLASS-128-421	c 52	N82-29863* #	US-PATENT-CLASS-136-233	c 14	N73-13417* #
US-PATENT-CLASS-128-2 07	c 52	N74-20728* #	US-PATENT-CLASS-128-422	c 52	N82-33996* #	US-PATENT-CLASS-136-233	c 34	N74-27861* #
US-PATENT-CLASS-128-2 08	c 05	N69-21473* #	US-PATENT-CLASS-128-62A	c 52	N82-29862* #	US-PATENT-CLASS-136-233	c 35	N77-14409* #
US-PATENT-CLASS-128-2 08	c 05	N73-32015* #	US-PATENT-CLASS-128-639	c 52	N79-27836* #	US-PATENT-CLASS-136-236R	c 35	N77-32454* #
US-PATENT-CLASS-128-2 08	c 52	N74-20728* #	US-PATENT-CLASS-128-642	c 52	N80-27072* #	US-PATENT-CLASS-136-236	c 35	N79-14346* #
US-PATENT-CLASS-128-2 1A	c 09	N72-17153* #	US-PATENT-CLASS-128-642	c 52	N81-14612* #	US-PATENT-CLASS-136-240	c 35	N77-32454* #
US-PATENT-CLASS-128-2 1A	c 09	N72-22202* #	US-PATENT-CLASS-128-642	c 52	N81-20703* #	US-PATENT-CLASS-136-249	c 44	N81-12542* #
US-PATENT-CLASS-128-2 1A	c 52	N74-26625* #	US-PATENT-CLASS-128-660	c 52	N79-26771* #	US-P		

US-PATENT-CLASS-136-249	c 44	N83-32177* #	US-PATENT-CLASS-137-15 1	c 02	N74-20646* #	US-PATENT-CLASS-138-43	c 15	N71-19213*
US-PATENT-CLASS-136-24	c 09	N73-32108*	US-PATENT-CLASS-137-15 1	c 07	N74-31270* #	US-PATENT-CLASS-138-45	c 15	N71-18580*
US-PATENT-CLASS-136-255	c 44	N81-29525* #	US-PATENT-CLASS-137-15 1	c 07	N75-24736* #	US-PATENT-CLASS-138-45	c 15	N73-13462* #
US-PATENT-CLASS-136-255	c 44	N83-14692* #	US-PATENT-CLASS-137-15 1	c 07	N77-18154* #	US-PATENT-CLASS-138-46	c 12	N71-18615*
US-PATENT-CLASS-136-256	c 44	N83-13579* #	US-PATENT-CLASS-137-15 1	c 07	N79-14096* #	US-PATENT-CLASS-138-4	c 15	N71-18580*
US-PATENT-CLASS-136-256	c 44	N83-14692* #	US-PATENT-CLASS-137-15 1	c 05	N79-24976* #	US-PATENT-CLASS-138-96R	c 37	N79-22474* #
US-PATENT-CLASS-136-258	c 44	N81-19558* #	US-PATENT-CLASS-137-15 1	c 07	N81-14999* #	US-PATENT-CLASS-139-425R	c 28	N72-11708*
US-PATENT-CLASS-136-258	c 44	N81-29525* #	US-PATENT-CLASS-137-15 2	c 02	N74-20646* #	US-PATENT-CLASS-140-105	c 15	N72-12408*
US-PATENT-CLASS-136-259	c 44	N83-13579* #	US-PATENT-CLASS-137-15 2	c 35	N76-14431* #	US-PATENT-CLASS-140-123	c 15	N71-15918*
US-PATENT-CLASS-136-259	c 44	N83-14692* #	US-PATENT-CLASS-137-154	c 15	N73-27406* #	US-PATENT-CLASS-140-124	c 15	N71-10809* #
US-PATENT-CLASS-136-261	c 44	N82-26777* #	US-PATENT-CLASS-137-177	c 20	N80-10278* #	US-PATENT-CLASS-141-197	c 35	N78-10428* #
US-PATENT-CLASS-136-262	c 44	N81-29525* #	US-PATENT-CLASS-137-197	c 15	N70-41646* #	US-PATENT-CLASS-141-23	c 15	N72-21465* #
US-PATENT-CLASS-136-28	c 03	N71-10608* #	US-PATENT-CLASS-137-197	c 35	N78-12390* #	US-PATENT-CLASS-141-258	c 14	N71-27005*
US-PATENT-CLASS-136-290	c 44	N82-26777* #	US-PATENT-CLASS-137-1	c 12	N70-38997* #	US-PATENT-CLASS-141-4	c 35	N78-10428* #
US-PATENT-CLASS-136-291	c 44	N81-12542* #	US-PATENT-CLASS-137-1	c 15	N73-27406* #	US-PATENT-CLASS-141-5	c 33	N78-10834*
US-PATENT-CLASS-136-30	c 44	N74-19693* #	US-PATENT-CLASS-137-207	c 34	N77-30399* #	US-PATENT-CLASS-141-91	c 12	N71-21089*
US-PATENT-CLASS-136-30	c 44	N76-18643* #	US-PATENT-CLASS-137-209	c 34	N77-30399* #	US-PATENT-CLASS-148-1 5	c 26	N71-10607* #
US-PATENT-CLASS-136-30	c 44	N76-29699* #	US-PATENT-CLASS-137-209	c 20	N80-10278* #	US-PATENT-CLASS-148-1 5	c 26	N71-23654*
US-PATENT-CLASS-136-36	c 44	N74-19692* #	US-PATENT-CLASS-137-340	c 15	N70-34817* #	US-PATENT-CLASS-148-1 5	c 76	N74-20329* #
US-PATENT-CLASS-136-6LF	c 44	N76-18643* #	US-PATENT-CLASS-137-340	c 15	N70-35087* #	US-PATENT-CLASS-148-1 5	c 44	N80-29835* #
US-PATENT-CLASS-136-6	c 03	N71-26084*	US-PATENT-CLASS-137-341	c 12	N71-17661*	US-PATENT-CLASS-148-1 5	c 33	N81-26360*
US-PATENT-CLASS-136-6	c 03	N72-15986* #	US-PATENT-CLASS-137-375	c 37	N80-23654* #	US-PATENT-CLASS-148-1 5	c 44	N82-26777* #
US-PATENT-CLASS-136-6	c 44	N82-24641* #	US-PATENT-CLASS-137-397	c 15	N73-26472* #	US-PATENT-CLASS-148-1 5	c 44	N82-29709* #
US-PATENT-CLASS-136-6	c 44	N82-24642* #	US-PATENT-CLASS-137-469	c 05	N72-20097* #	US-PATENT-CLASS-148-11 5R	c 15	N73-13465* #
US-PATENT-CLASS-136-6	c 44	N82-24643* #	US-PATENT-CLASS-137-484 2	c 34	N78-25351* #	US-PATENT-CLASS-148-12 4	c 26	N79-22271* #
US-PATENT-CLASS-136-6	c 44	N82-24644* #	US-PATENT-CLASS-137-487 5	c 14	N73-13418* #	US-PATENT-CLASS-148-12 7A	c 26	N78-24333* #
US-PATENT-CLASS-136-79	c 03	N72-20032* #	US-PATENT-CLASS-137-491	c 15	N69-21924* #	US-PATENT-CLASS-148-12 7N	c 26	N77-20201* #
US-PATENT-CLASS-136-81	c 03	N72-20032* #	US-PATENT-CLASS-137-493	c 52	N81-25660* #	US-PATENT-CLASS-148-12F	c 26	N79-22271* #
US-PATENT-CLASS-136-83R	c 03	N72-20034* #	US-PATENT-CLASS-137-495	c 15	N70-38603* #	US-PATENT-CLASS-148-121	c 76	N79-16678* #
US-PATENT-CLASS-136-83R	c 44	N76-18641* #	US-PATENT-CLASS-137-496	c 15	N71-22706*	US-PATENT-CLASS-148-125	c 26	N78-24333* #
US-PATENT-CLASS-136-83	c 03	N71-28579*	US-PATENT-CLASS-137-501	c 34	N78-25351* #	US-PATENT-CLASS-148-126	c 17	N71-24142*
US-PATENT-CLASS-136-86A	c 44	N76-27664* #	US-PATENT-CLASS-137-505 12	c 14	N71-18625*	US-PATENT-CLASS-148-126	c 18	N71-26153*
US-PATENT-CLASS-136-86S	c 44	N76-18641* #	US-PATENT-CLASS-137-505 16	c 34	N78-25351* #	US-PATENT-CLASS-148-126	c 18	N71-28729*
US-PATENT-CLASS-136-86	c 03	N71-11052* #	US-PATENT-CLASS-137-505 25	c 37	N78-25426* #	US-PATENT-CLASS-148-126	c 26	N74-10521* #
US-PATENT-CLASS-136-86	c 03	N71-20904*	US-PATENT-CLASS-137-505 38	c 37	N75-15050* #	US-PATENT-CLASS-148-127	c 26	N75-29236* #
US-PATENT-CLASS-136-86	c 15	N71-23022*	US-PATENT-CLASS-137-505 42	c 37	N75-15050* #	US-PATENT-CLASS-148-131	c 26	N80-28492* #
US-PATENT-CLASS-136-86	c 03	N71-29044*	US-PATENT-CLASS-137-515 3	c 37	N76-14463* #	US-PATENT-CLASS-148-13	c 14	N71-25892*
US-PATENT-CLASS-136-89AC	c 44	N77-31601* #	US-PATENT-CLASS-137-516 27	c 15	N73-30459* #	US-PATENT-CLASS-148-162	c 26	N77-20201* #
US-PATENT-CLASS-136-89CA	c 44	N79-25482* #	US-PATENT-CLASS-137-535	c 15	N73-30459* #	US-PATENT-CLASS-148-173	c 76	N83-20789* #
US-PATENT-CLASS-136-89CC	c 44	N78-25527* #	US-PATENT-CLASS-137-535	c 05	N73-32014* #	US-PATENT-CLASS-148-174	c 26	N71-29156*
US-PATENT-CLASS-136-89CC	c 44	N78-25529* #	US-PATENT-CLASS-137-538	c 05	N73-25125* #	US-PATENT-CLASS-148-174	c 44	N76-28635* #
US-PATENT-CLASS-136-89CC	c 44	N79-11467* #	US-PATENT-CLASS-137-539	c 15	N70-41811* #	US-PATENT-CLASS-148-174	c 44	N78-24609* #
US-PATENT-CLASS-136-89CC	c 44	N79-17314* #	US-PATENT-CLASS-137-549	c 37	N81-17433* #	US-PATENT-CLASS-148-175	c 25	N75-26043* #
US-PATENT-CLASS-136-89CC	c 44	N79-25482* #	US-PATENT-CLASS-137-550	c 37	N76-14463* #	US-PATENT-CLASS-148-175	c 76	N76-25049* #
US-PATENT-CLASS-136-89CC	c 44	N79-31752* #	US-PATENT-CLASS-137-554	c 09	N71-23191*	US-PATENT-CLASS-148-175	c 44	N76-28635* #
US-PATENT-CLASS-136-89H	c 44	N78-25528* #	US-PATENT-CLASS-137-559	c 11	N73-12265* #	US-PATENT-CLASS-148-175	c 44	N82-28780* #
US-PATENT-CLASS-136-89H	c 44	N78-25529* #	US-PATENT-CLASS-137-574	c 20	N80-10278* #	US-PATENT-CLASS-148-175	c 76	N83-20789* #
US-PATENT-CLASS-136-89PC	c 44	N79-25482* #	US-PATENT-CLASS-137-576	c 20	N80-10278* #	US-PATENT-CLASS-148-187	c 26	N72-17820* #
US-PATENT-CLASS-136-89PC	c 44	N79-31753* #	US-PATENT-CLASS-137-582	c 32	N71-16103*	US-PATENT-CLASS-148-187	c 14	N72-28438* #
US-PATENT-CLASS-136-89P	c 44	N77-31601* #	US-PATENT-CLASS-137-582	c 32	N71-16106*	US-PATENT-CLASS-148-187	c 33	N81-26360*
US-PATENT-CLASS-136-89P	c 44	N78-25528* #	US-PATENT-CLASS-137-582	c 15	N71-19569*	US-PATENT-CLASS-148-188	c 24	N71-10560*
US-PATENT-CLASS-136-89P	c 44	N78-25529* #	US-PATENT-CLASS-137-582	c 15	N73-26472* #	US-PATENT-CLASS-148-188	c 09	N71-12513*
US-PATENT-CLASS-136-89P	c 44	N78-27515* #	US-PATENT-CLASS-137-590	c 20	N80-10278* #	US-PATENT-CLASS-148-188	c 44	N79-11468* #
US-PATENT-CLASS-136-89P	c 44	N79-17314* #	US-PATENT-CLASS-137-594	c 12	N71-18615*	US-PATENT-CLASS-148-20 3	c 26	N77-20201* #
US-PATENT-CLASS-136-89P	c 44	N80-14474* #	US-PATENT-CLASS-137-604	c 15	N73-27406* #	US-PATENT-CLASS-148-2	c 26	N77-20201* #
US-PATENT-CLASS-136-89SG	c 44	N78-24609* #	US-PATENT-CLASS-137-608	c 15	N73-13462* #	US-PATENT-CLASS-148-2	c 26	N79-22271* #
US-PATENT-CLASS-136-89SG	c 44	N80-24741* #	US-PATENT-CLASS-137-614 06	c 37	N79-11402* #	US-PATENT-CLASS-148-32	c 26	N78-18183* #
US-PATENT-CLASS-136-89SJ	c 44	N78-13526* #	US-PATENT-CLASS-137-614	c 15	N70-36492* #	US-PATENT-CLASS-148-32 5	c 17	N72-22535* #
US-PATENT-CLASS-136-89SJ	c 44	N79-11467* #	US-PATENT-CLASS-137-615	c 12	N71-16031*	US-PATENT-CLASS-148-32 5	c 26	N77-20201* #
US-PATENT-CLASS-136-89SJ	c 44	N79-14528* #	US-PATENT-CLASS-137-624 11	c 35	N78-19466* #	US-PATENT-CLASS-148-32 5	c 26	N77-32280* #
US-PATENT-CLASS-136-89SJ	c 44	N79-25482* #	US-PATENT-CLASS-137-624 14	c 03	N69-21469* #	US-PATENT-CLASS-148-32 5	c 26	N78-18183* #
US-PATENT-CLASS-136-89	c 03	N69-24267* #	US-PATENT-CLASS-137-625 38	c 37	N78-25426* #	US-PATENT-CLASS-148-32	c 26	N77-32279* #
US-PATENT-CLASS-136-89	c 03	N71-11049* #	US-PATENT-CLASS-137-625 3	c 37	N78-25426* #	US-PATENT-CLASS-148-32	c 26	N80-23419* #
US-PATENT-CLASS-136-89	c 03	N71-11050* #	US-PATENT-CLASS-137-625 4	c 37	N80-23654* #	US-PATENT-CLASS-148-428	c 26	N82-31505* #
US-PATENT-CLASS-136-89	c 03	N71-11056* #	US-PATENT-CLASS-137-625 5	c 15	N71-23051*	US-PATENT-CLASS-148-6 11	c 15	N71-24875*
US-PATENT-CLASS-136-89	c 03	N71-18698*	US-PATENT-CLASS-137-625 69	c 15	N70-36908*	US-PATENT-CLASS-148-6 16	c 18	N71-23047*
US-PATENT-CLASS-136-89	c 03	N71-19545*	US-PATENT-CLASS-137-628	c 37	N74-21065* #	US-PATENT-CLASS-148-6 20	c 17	N71-23828*
US-PATENT-CLASS-136-89	c 03	N71-20492*	US-PATENT-CLASS-137-637 05	c 37	N79-11402* #	US-PATENT-CLASS-148-6 3	c 17	N71-33408*
US-PATENT-CLASS-136-89	c 03	N71-20895*	US-PATENT-CLASS-137-81 5	c 12	N69-21466* #	US-PATENT-CLASS-148-6 3	c 44	N79-18444* #
US-PATENT-CLASS-136-89	c 26	N71-23043*	US-PATENT-CLASS-137-81 5	c 15	N71-15609* #	US-PATENT-CLASS-148-6	c 18	N71-29040*
US-PATENT-CLASS-136-89	c 03	N71-23187*	US-PATENT-CLASS-137-81 5	c 12	N71-17578*	US-PATENT-CLASS-148-6	c 76	N79-16678* #
US-PATENT-CLASS-136-89	c 03	N71-23449*	US-PATENT-CLASS-137-81 5	c 12	N71-17579*	US-PATENT-CLASS-149-105	c 28	N78-31255* #
US-PATENT-CLASS-136-89	c 03	N71-33409*	US-PATENT-CLASS-137-81 5	c 10	N71-25899*	US-PATENT-CLASS-149-108 4	c 28	N80-23471* #
US-PATENT-CLASS-136-89	c 03	N72-20031* #	US-PATENT-CLASS-137-81 5	c 12	N71-27332*	US-PATENT-CLASS-149-108 4	c 28	N81-15119* #
US-PATENT-CLASS-136-89	c 03	N72-22042* #	US-PATENT-CLASS-137-81 5	c 12	N71-28741*	US-PATENT-CLASS-149-109	c 27	N70-41897* #
US-PATENT-CLASS-136-89	c 31	N72-22874* #	US-PATENT-CLASS-137-81 5	c 28	N72-22772* #	US-PATENT-CLASS-149-111	c 28	N78-31255* #
US-PATENT-CLASS-136-89	c 03	N72-24037* #	US-PATENT-CLASS-137-81 5	c 15	N72-33477* #	US-PATENT-CLASS-149-15	c 44	N80-20808* #
US-PATENT-CLASS-136-89	c 09	N72-25259* #	US-PATENT-CLASS-137-81 5	c 15	N73-13462* #	US-PATENT-CLASS-149-17	c 28	N74-33209* #
US-PATENT-CLASS-136-89	c 03	N72-27053* #	US-PATENT-CLASS-137-81 5	c 28	N73-13773* #	US-PATENT-CLASS-149-19 2	c 28	N80-28536* #
US-PATENT-CLASS-136-89	c 09	N73-32109* #	US-PATENT-CLASS-137-819	c 33	N74-11050* #	US-PATENT-CLASS-149-19 4	c 28	N78-31255* #
US-PATENT-CLASS-136-89	c 44	N74-14784* #	US-PATENT-CLASS-137-81	c 05	N72-20097* #	US-PATENT-CLASS-149-19 4	c 20	N78-32179* #
US-PATENT-CLASS-136-89	c 44	N76-14600* #	US-PATENT-CLASS-137-81	c 14	N73-13418* #	US-PATENT-CLASS-149-19 4	c 28	N79-28342* #
US-PATENT-CLASS-136-89	c 44	N76-28635* #	US-PATENT-CLASS-137-833	c 33	N74-11050* #	US-PATENT-CLASS-149-19 8	c 28	N78-31255* #
US-PATENT-CLASS-136-89	c 44	N76-31666* #	US-PATENT-CLASS-137-840	c 33	N74-11050* #	US-PATENT-CLASS-149-19 92	c 28	N79-14228* #
US-PATENT-CLASS-136-89	c 44	N77-10635* #	US-PATENT-CLASS-137-886	c 37	N81-17433* #	US-PATENT-CLASS-149-19 9	c 28	N79-14228* #
US-PATENT-CLASS-136-89	c 44	N77-14580* #	US-PATENT-CLASS-137-887	c 37	N81-17433* #	US-PATENT-CLASS-149-19 9	c 28	N79-28342* #
US-PATENT-CLASS-136-89	c 44	N77-19571* #	US-PATENT-CLASS-138 8R	c 27	N81-15104* #	US-PATENT-CLASS-149-19 9	c 28	N80-28536* #
US-PATENT-CLASS-136-89	c 44	N79-11468* #	US-PATENT-CLASS-138-103	c 52	N80-16725* #	US-PATENT-CLASS-149-19	c 27	N71-14090* #
US-PATENT-CLASS-136-90	c 44	N76-14601* #	US-PATENT-CLASS-138-113	c 34	N75-12222* #	US-PATENT-CLASS-149-19	c 27	N72-25699* #
US-PATENT-CLASS-137-DIG 9	c 54	N76-24900* #	US-PATENT-CLASS-138-114	c 34	N75-12222* #	US-PATENT-CLASS-149-19	c 27	N73-16764* #
US-PATENT-CLASS-137-101	c 07	N77-23106* #	US-PATENT-CLASS-138-119	c 32	N70-41579* #	US-PATENT-CLASS-149-1	c 23	N71-16212*
US-PATENT-CLASS-137-104	c 37	N78-10467* #	US-PATENT-CLASS-138-133	c 52	N80-16725* #	US-PATENT-CLASS-149-1	c 06	N73-30097* #
US-PATENT-CLASS-137-110	c 54	N76-24900* #	US-PATENT-CLASS-138-148	c 34	N75-12222* #	US-PATENT-CLASS-149-1	c 28	N80-20402* #
US-PATENT-CLASS-137-13	c 15	N71-15967*	US-PATENT-CLASS-138-178	c 15	N72-20445* #	US-PATENT-CLASS-149-1	c 28	N81-14103* #
US-PATENT-CLASS-137-13	c 15	N72-33477* #	US-PATENT-CLASS-138-33	c 52	N80-16725* #	US-PATENT-CLASS-149-20	c 27	N72-25699* #
US-PATENT-CLASS-137-14	c 37	N79-33468* #	US-PATENT-CLASS-					

REPORT NUMBER INDEX

US-PATENT-CLASS-165-2

US-PATENT-CLASS-149-20	c 28	N79-28342* #	US-PATENT-CLASS-156-285	c 24	N81-33235* #	US-PATENT-CLASS-161-115	c 18	N70-41583* #
US-PATENT-CLASS-149-20	c 28	N80-28536* #	US-PATENT-CLASS-156-286	c 37	N76-21554* #	US-PATENT-CLASS-161-116	c 37	N74-23064* #
US-PATENT-CLASS-149-2	c 12	N70-40124* #	US-PATENT-CLASS-156-286	c 37	N76-24575* #	US-PATENT-CLASS-161-127	c 18	N72-25540* #
US-PATENT-CLASS-149-36	c 27	N72-25699* #	US-PATENT-CLASS-156-286	c 24	N78-17150* #	US-PATENT-CLASS-161-127	c 18	N72-25541* #
US-PATENT-CLASS-149-36	c 27	N73-16764* #	US-PATENT-CLASS-156-289	c 24	N78-17149* #	US-PATENT-CLASS-161-161	c 33	N71-25351* #
US-PATENT-CLASS-149-36	c 06	N73-30097* #	US-PATENT-CLASS-156-289	c 24	N78-17150* #	US-PATENT-CLASS-161-182	c 15	N69-39735* #
US-PATENT-CLASS-149-36	c 24	N76-14203* #	US-PATENT-CLASS-156-290	c 24	N81-33235* #	US-PATENT-CLASS-161-182	c 37	N74-18126* #
US-PATENT-CLASS-149-37	c 44	N80-28088* #	US-PATENT-CLASS-156-292	c 27	N80-32516* #	US-PATENT-CLASS-161-189	c 23	N71-15978* #
US-PATENT-CLASS-149-42	c 20	N78-32179* #	US-PATENT-CLASS-156-292	c 24	N81-17170* #	US-PATENT-CLASS-161-192	c 37	N74-18126* #
US-PATENT-CLASS-149-43	c 20	N78-32179* #	US-PATENT-CLASS-156-294	c 37	N81-14317* #	US-PATENT-CLASS-161-196	c 37	N74-21063* #
US-PATENT-CLASS-149-44	c 20	N78-32179* #	US-PATENT-CLASS-156-294	c 24	N81-29163* #	US-PATENT-CLASS-161-214	c 06	N73-27980* #
US-PATENT-CLASS-149-60	c 28	N74-33209* #	US-PATENT-CLASS-156-295	c 27	N81-14077* #	US-PATENT-CLASS-161-227	c 06	N73-27980* #
US-PATENT-CLASS-149-76	c 28	N74-33209* #	US-PATENT-CLASS-156-300	c 24	N78-17150* #	US-PATENT-CLASS-161-42	c 37	N74-18126* #
US-PATENT-CLASS-149-76	c 20	N78-32179* #	US-PATENT-CLASS-156-303	c 44	N80-18550* #	US-PATENT-CLASS-161-43	c 37	N74-18126* #
US-PATENT-CLASS-149-83	c 20	N78-32179* #	US-PATENT-CLASS-156-306	c 24	N78-17150* #	US-PATENT-CLASS-161-67	c 33	N72-17947* #
US-PATENT-CLASS-149-85	c 20	N78-32179* #	US-PATENT-CLASS-156-307 3	c 27	N82-11206* #	US-PATENT-CLASS-161-68	c 18	N71-21651* #
US-PATENT-CLASS-149-88	c 28	N78-31255* #	US-PATENT-CLASS-156-308	c 27	N82-11206* #	US-PATENT-CLASS-161-68	c 18	N72-25540* #
US-PATENT-CLASS-149-92	c 27	N72-25699* #	US-PATENT-CLASS-156-308	c 05	N72-25121* #	US-PATENT-CLASS-161-68	c 18	N72-25541* #
US-PATENT-CLASS-149-92	c 28	N78-31255* #	US-PATENT-CLASS-156-309	c 31	N74-18089* #	US-PATENT-CLASS-161-69	c 33	N71-24858* #
US-PATENT-CLASS-149-93	c 28	N78-31255* #	US-PATENT-CLASS-156-309	c 27	N78-17205* #	US-PATENT-CLASS-161-7	c 18	N72-25540* #
US-PATENT-CLASS-15-143	c 15	N72-11390* #	US-PATENT-CLASS-156-311	c 24	N78-17150* #	US-PATENT-CLASS-161-7	c 18	N72-25541* #
US-PATENT-CLASS-15-210	c 15	N72-11390* #	US-PATENT-CLASS-156-312	c 44	N80-18550* #	US-PATENT-CLASS-161-89	c 17	N71-28747* #
US-PATENT-CLASS-15-230 16	c 37	N79-10422* #	US-PATENT-CLASS-156-315	c 27	N82-24340* #	US-PATENT-CLASS-161-92	c 37	N75-26371* #
US-PATENT-CLASS-15-230 17	c 37	N79-10422* #	US-PATENT-CLASS-156-320	c 15	N72-11392* #	US-PATENT-CLASS-161-93	c 18	N73-12604* #
US-PATENT-CLASS-15-415	c 14	N73-30395* #	US-PATENT-CLASS-156-323	c 27	N81-14077* #	US-PATENT-CLASS-161-93	c 37	N74-18126* #
US-PATENT-CLASS-150-11	c 37	N81-14317* #	US-PATENT-CLASS-156-329	c 27	N82-29456* #	US-PATENT-CLASS-161-93	c 37	N75-26371* #
US-PATENT-CLASS-150-1	c 52	N79-14749* #	US-PATENT-CLASS-156-330	c 24	N81-14000* #	US-PATENT-CLASS-162-102	c 24	N76-14204* #
US-PATENT-CLASS-151-41 76	c 37	N80-23653* #	US-PATENT-CLASS-156-331 5	c 27	N82-11206* #	US-PATENT-CLASS-162-14	c 85	N79-17447* #
US-PATENT-CLASS-152-11	c 31	N71-18611* #	US-PATENT-CLASS-156-331	c 37	N74-18126* #	US-PATENT-CLASS-162-153	c 24	N76-14204* #
US-PATENT-CLASS-152-225	c 15	N71-27091* #	US-PATENT-CLASS-156-331	c 27	N78-17205* #	US-PATENT-CLASS-162-222	c 24	N76-14204* #
US-PATENT-CLASS-152-250	c 15	N71-27091* #	US-PATENT-CLASS-156-331	c 24	N78-16915* #	US-PATENT-CLASS-162-228	c 24	N76-14204* #
US-PATENT-CLASS-152-330RF	c 37	N81-24443* #	US-PATENT-CLASS-156-331	c 27	N81-14077* #	US-PATENT-CLASS-162-29	c 85	N79-17747* #
US-PATENT-CLASS-152-353G	c 37	N81-24443* #	US-PATENT-CLASS-156-338	c 27	N82-24340* #	US-PATENT-CLASS-164-105	c 20	N79-21123* #
US-PATENT-CLASS-152-353R	c 37	N81-24443* #	US-PATENT-CLASS-156-344	c 28	N81-14103* #	US-PATENT-CLASS-164-132	c 37	N76-23570* #
US-PATENT-CLASS-152-379 4	c 37	N81-24443* #	US-PATENT-CLASS-156-344	c 31	N83-34073* #	US-PATENT-CLASS-164-331 12	c 27	N83-34041* #
US-PATENT-CLASS-156 307 7	c 27	N82-11206* #	US-PATENT-CLASS-156-345	c 15	N70-42033* #	US-PATENT-CLASS-164-60	c 24	N77-27187* #
US-PATENT-CLASS-156-DIG 6-8	c 76	N79-23798* #	US-PATENT-CLASS-156-379 7	c 33	N82-26571* #	US-PATENT-CLASS-165-104 14	c 05	N81-26114* #
US-PATENT-CLASS-156-DIG 62	c 76	N77-32919* #	US-PATENT-CLASS-156-382	c 37	N76-21554* #	US-PATENT-CLASS-165-104 26	c 74	N83-19596* #
US-PATENT-CLASS-156-DIG 62	c 35	N83-24828* #	US-PATENT-CLASS-156-3	c 17	N71-16044* #	US-PATENT-CLASS-165-104 26	c 34	N83-35307* #
US-PATENT-CLASS-156-DIG 64	c 76	N79-11920* #	US-PATENT-CLASS-156-3	c 15	N71-21404* #	US-PATENT-CLASS-165-104	c 33	N71-25353* #
US-PATENT-CLASS-156-DIG 64	c 44	N80-24741* #	US-PATENT-CLASS-156-3	c 15	N71-24047* #	US-PATENT-CLASS-165-105	c 09	N71-24807* #
US-PATENT-CLASS-156-DIG 64	c 76	N80-32245* #	US-PATENT-CLASS-156-3	c 06	N72-21094* #	US-PATENT-CLASS-165-105	c 33	N71-25353* #
US-PATENT-CLASS-156-DIG 65	c 76	N79-11920* #	US-PATENT-CLASS-156-510	c 15	N71-17687* #	US-PATENT-CLASS-165-105	c 33	N72-17948* #
US-PATENT-CLASS-156-DIG 6	c 76	N83-35888* #	US-PATENT-CLASS-156-510	c 03	N72-25019* #	US-PATENT-CLASS-165-105	c 31	N73-30829* #
US-PATENT-CLASS-156-DIG 73	c 76	N83-35888* #	US-PATENT-CLASS-156-52	c 31	N79-21226* #	US-PATENT-CLASS-165-105	c 28	N73-32606* #
US-PATENT-CLASS-156-DIG 73	c 27	N83-36220* #	US-PATENT-CLASS-156-545	c 15	N71-24164* #	US-PATENT-CLASS-165-105	c 34	N74-18552* #
US-PATENT-CLASS-156-DIG 88	c 76	N79-11920* #	US-PATENT-CLASS-156-556	c 37	N76-21554* #	US-PATENT-CLASS-165-105	c 34	N75-12222* #
US-PATENT-CLASS-156-DIG 88	c 76	N80-32245* #	US-PATENT-CLASS-156-59	c 31	N83-34073* #	US-PATENT-CLASS-165-105	c 44	N75-32581* #
US-PATENT-CLASS-156-DIG 89	c 27	N83-36220* #	US-PATENT-CLASS-156-600	c 27	N83-36220* #	US-PATENT-CLASS-165-105	c 44	N76-16612* #
US-PATENT-CLASS-156-DIG 96	c 76	N80-32244* #	US-PATENT-CLASS-156-601	c 76	N77-32919* #	US-PATENT-CLASS-165-105	c 34	N76-17317* #
US-PATENT-CLASS-156-DIG 96	c 33	N81-19389* #	US-PATENT-CLASS-156-601	c 76	N80-32245* #	US-PATENT-CLASS-165-105	c 34	N76-27515* #
US-PATENT-CLASS-156-104	c 44	N80-18550* #	US-PATENT-CLASS-156-602	c 76	N82-30105* #	US-PATENT-CLASS-165-105	c 34	N77-32413* #
US-PATENT-CLASS-156-154	c 24	N78-17150* #	US-PATENT-CLASS-156-605	c 44	N80-24741* #	US-PATENT-CLASS-165-105	c 25	N78-10224* #
US-PATENT-CLASS-156-154	c 27	N81-14077* #	US-PATENT-CLASS-156-608	c 76	N79-11920* #	US-PATENT-CLASS-165-105	c 34	N78-17336* #
US-PATENT-CLASS-156-157	c 33	N82-26571* #	US-PATENT-CLASS-156-608	c 33	N81-19389* #	US-PATENT-CLASS-165-105	c 34	N78-17337* #
US-PATENT-CLASS-156-160	c 27	N81-14077* #	US-PATENT-CLASS-156-608	c 76	N82-30105* #	US-PATENT-CLASS-165-105	c 44	N79-18443* #
US-PATENT-CLASS-156-161	c 24	N81-29163* #	US-PATENT-CLASS-156-608	c 76	N83-20789* #	US-PATENT-CLASS-165-105	c 37	N79-18549* #
US-PATENT-CLASS-156-163	c 27	N81-14077* #	US-PATENT-CLASS-156-608	c 76	N83-35888* #	US-PATENT-CLASS-165-105	c 34	N79-15123* #
US-PATENT-CLASS-156-165	c 24	N81-29163* #	US-PATENT-CLASS-156-60	c 15	N71-22713* #	US-PATENT-CLASS-165-105	c 35	N81-14287* #
US-PATENT-CLASS-156-16	c 74	N75-12732* #	US-PATENT-CLASS-156-610	c 76	N76-25049* #	US-PATENT-CLASS-165-106	c 33	N73-32818* #
US-PATENT-CLASS-156-172	c 15	N71-17651* #	US-PATENT-CLASS-156-610	c 27	N83-36220* #	US-PATENT-CLASS-165-106	c 34	N76-17317* #
US-PATENT-CLASS-156-17	c 76	N79-21910* #	US-PATENT-CLASS-156-612	c 76	N76-25049* #	US-PATENT-CLASS-165-107	c 09	N71-24807* #
US-PATENT-CLASS-156-18	c 26	N73-26752* #	US-PATENT-CLASS-156-612	c 44	N76-28635* #	US-PATENT-CLASS-165-107	c 44	N77-32581* #
US-PATENT-CLASS-156-18	c 74	N75-12732* #	US-PATENT-CLASS-156-613	c 76	N76-25049* #	US-PATENT-CLASS-165-109	c 35	N74-15093* #
US-PATENT-CLASS-156-212	c 03	N71-26726* #	US-PATENT-CLASS-156-613	c 44	N76-28635* #	US-PATENT-CLASS-165-110	c 44	N76-31667* #
US-PATENT-CLASS-156-212	c 24	N80-26388* #	US-PATENT-CLASS-156-614	c 44	N76-28635* #	US-PATENT-CLASS-165-110	c 77	N75-20139* #
US-PATENT-CLASS-156-212	c 27	N81-14077* #	US-PATENT-CLASS-156-617SP	c 76	N79-11920* #	US-PATENT-CLASS-165-111	c 77	N75-20139* #
US-PATENT-CLASS-156-213	c 24	N80-26388* #	US-PATENT-CLASS-156-617SP	c 76	N79-23798* #	US-PATENT-CLASS-165-12	c 33	N71-24276* #
US-PATENT-CLASS-156-218	c 54	N74-32546* #	US-PATENT-CLASS-156-617SP	c 44	N80-24741* #	US-PATENT-CLASS-165-12	c 34	N83-34221* #
US-PATENT-CLASS-156-229	c 24	N77-28225* #	US-PATENT-CLASS-156-617SP	c 76	N80-32245* #	US-PATENT-CLASS-165-133	c 33	N71-16277* #
US-PATENT-CLASS-156-242	c 15	N69-24322* #	US-PATENT-CLASS-156-619	c 76	N77-32919* #	US-PATENT-CLASS-165-133	c 33	N71-25353* #
US-PATENT-CLASS-156-242	c 37	N76-24575* #	US-PATENT-CLASS-156-620	c 76	N77-32919* #	US-PATENT-CLASS-165-133	c 33	N72-20915* #
US-PATENT-CLASS-156-242	c 24	N81-33235* #	US-PATENT-CLASS-156-624	c 76	N83-20789* #	US-PATENT-CLASS-165-133	c 44	N76-23675* #
US-PATENT-CLASS-156-245	c 31	N74-18089* #	US-PATENT-CLASS-156-633	c 44	N78-25529* #	US-PATENT-CLASS-165-134R	c 74	N83-19596* #
US-PATENT-CLASS-156-245	c 24	N78-17149* #	US-PATENT-CLASS-156-635	c 76	N83-20789* #	US-PATENT-CLASS-165-134	c 34	N78-17336* #
US-PATENT-CLASS-156-245	c 24	N81-33235* #	US-PATENT-CLASS-156-645	c 27	N77-32308* #	US-PATENT-CLASS-165-138	c 09	N71-24807* #
US-PATENT-CLASS-156-247	c 31	N74-18089* #	US-PATENT-CLASS-156-647	c 33	N81-26360* #	US-PATENT-CLASS-165-141	c 28	N73-32606* #
US-PATENT-CLASS-156-250	c 03	N72-25019* #	US-PATENT-CLASS-156-648	c 33	N81-26360* #	US-PATENT-CLASS-165-146	c 34	N79-13289* #
US-PATENT-CLASS-156-252	c 24	N81-33235* #	US-PATENT-CLASS-156-649	c 33	N81-26360* #	US-PATENT-CLASS-165-155	c 33	N72-20915* #
US-PATENT-CLASS-156-264	c 05	N72-25121* #	US-PATENT-CLASS-156-654	c 76	N83-20789* #	US-PATENT-CLASS-165-158	c 33	N72-20915* #
US-PATENT-CLASS-156-264	c 24	N78-17150* #	US-PATENT-CLASS-156-662	c 76	N83-20789* #	US-PATENT-CLASS-165-161	c 33	N72-20915* #
US-PATENT-CLASS-156-264	c 24	N81-33235* #	US-PATENT-CLASS-156-663	c 27	N77-32308* #	US-PATENT-CLASS-165-164	c 34	N77-10463* #
US-PATENT-CLASS-156-264	c 31	N83-34073* #	US-PATENT-CLASS-156-66	c 15	N72-11392* #	US-PATENT-CLASS-165-166	c 54	N77-32722* #
US-PATENT-CLASS-156-267	c 27	N81-14077* #	US-PATENT-CLASS-156-71	c 33	N82-26571* #	US-PATENT-CLASS-165-169	c 34	N79-13288* #
US-PATENT-CLASS-156-272	c 27	N80-32516* #	US-PATENT-CLASS-156-74	c 24	N81-29163* #	US-PATENT-CLASS-165-169	c 34	N79-13289* #
US-PATENT-CLASS-156-272	c 33	N82-26571* #	US-PATENT-CLASS-156-7	c 14	N75-12732* #	US-PATENT-CLASS-165-16	c 31	N80-32583* #
US-PATENT-CLASS-156-278	c 44	N80-18550* #	US-PATENT-CLASS-156-84	c 15	N72-16330* #	US-PATENT-CLASS-165-170	c 34	N77-10463* #
US-PATENT-CLASS-156-285	c 15	N71-23052* #	US-PATENT-CLASS-156-84	c 37	N82-24491* #	US-PATENT-CLASS-165-174	c 33	N72-20915* #
US-PATENT-CLASS-156-285	c 18	N73-30532* #	US-PATENT-CLASS-156-85	c 37	N82-24491* #	US-PATENT-CLASS-165-185	c 28	N73-32606* #
US-PATENT-CLASS-156-285	c 31	N74-18089* #	US-PATENT-CLASS-156-86	c 15	N72-16330* #	US-PATENT-CLASS-165-185	c 34	N83-28356* #
US-PATENT-CLASS-156-285	c 24	N74-27035* #	US-PATENT-CLASS-156-86	c 37	N82-24491* #	US-PATENT-CLASS-165-1	c 09	N70-41717* #
US-PATENT-CLASS-156-285	c 24	N78-17149* #	US-PATENT-CLASS-156-89	c 37	N75-15992* #	US-PATENT-CLASS-165-1	c 34	N75-12222* #
US-PATENT-CLASS-156-285	c 24	N78-17150* #	US-PATENT-CLASS-156-89	c 24	N79-25143* #	US-PATENT-CLASS-165-20	c 03	N72-28025* #
US-PATENT-CLASS-156-285	c 44	N80-18						

US-PATENT-CLASS-165-2

REPORT NUMBER INDEX

US-PATENT-CLASS-165-2	c 44	N78-17460* #	US-PATENT-CLASS-177-200	c 35	N74-26945* #	US-PATENT-CLASS-178-7 92	c 14	N72-25414* #
US-PATENT-CLASS-165-2	c 51	N79-10694* #	US-PATENT-CLASS-177-208	c 35	N77-19385* #	US-PATENT-CLASS-178-79	c 32	N75-21486* #
US-PATENT-CLASS-165-2	c 27	N83-36220* #	US-PATENT-CLASS-177-210	c 14	N71-10773* #	US-PATENT-CLASS-178-88	c 07	N71-12392* #
US-PATENT-CLASS-165-30	c 51	N79-10694* #	US-PATENT-CLASS-177-211	c 35	N74-26945* #	US-PATENT-CLASS-178-88	c 33	N74-12887* #
US-PATENT-CLASS-165-30	c 31	N79-17029* #	US-PATENT-CLASS-177-246	c 35	N74-26945* #	US-PATENT-CLASS-178-88	c 32	N74-20809* #
US-PATENT-CLASS-165-32	c 31	N73-30829* #	US-PATENT-CLASS-178-DIG 12	c 07	N72-12081* #	US-PATENT-CLASS-178-88	c 33	N74-27705* #
US-PATENT-CLASS-165-32	c 33	N73-32818* #	US-PATENT-CLASS-178-DIG 12	c 32	N75-21485* #	US-PATENT-CLASS-178-88	c 33	N76-14371* #
US-PATENT-CLASS-165-32	c 34	N78-17337* #	US-PATENT-CLASS-178-DIG 1	c 36	N74-20009* #	US-PATENT-CLASS-178-88	c 32	N76-16249* #
US-PATENT-CLASS-165-32	c 34	N79-31523* #	US-PATENT-CLASS-178-DIG 1	c 33	N75-30431* #	US-PATENT-CLASS-178-88	c 32	N77-10392* #
US-PATENT-CLASS-165-32	c 44	N80-20810* #	US-PATENT-CLASS-178-DIG 1	c 45	N76-17656* #	US-PATENT-CLASS-178-88	c 32	N77-24331* #
US-PATENT-CLASS-165-32	c 33	N82-24419* #	US-PATENT-CLASS-178-DIG 20	c 18	N76-14186* #	US-PATENT-CLASS-179-1DM	c 71	N79-23753* #
US-PATENT-CLASS-165-32	c 34	N83-28356* #	US-PATENT-CLASS-178-DIG 20	c 23	N72-27228* #	US-PATENT-CLASS-179-1MF	c 32	N79-23310* #
US-PATENT-CLASS-165-32	c 34	N83-35307* #	US-PATENT-CLASS-178-DIG 20	c 35	N75-19613* #	US-PATENT-CLASS-179-1MN	c 10	N73-12244* #
US-PATENT-CLASS-165-3	c 03	N72-28025* #	US-PATENT-CLASS-178-DIG 21	c 16	N72-13437* #	US-PATENT-CLASS-179-1P	c 07	N71-33108* #
US-PATENT-CLASS-165-44	c 15	N71-26611* #	US-PATENT-CLASS-178-DIG 23	c 07	N73-30115* #	US-PATENT-CLASS-179-1R	c 10	N73-25240* #
US-PATENT-CLASS-165-46	c 05	N71-19439* #	US-PATENT-CLASS-178-DIG 25	c 74	N75-25706* #	US-PATENT-CLASS-179-1SA	c 32	N76-31372* #
US-PATENT-CLASS-165-46	c 05	N71-24147* #	US-PATENT-CLASS-178-DIG 28	c 08	N72-22164* #	US-PATENT-CLASS-179-1SA	c 32	N77-30309* #
US-PATENT-CLASS-165-46	c 05	N73-20137* #	US-PATENT-CLASS-178-DIG 29	c 35	N75-25123* #	US-PATENT-CLASS-179-1SA	c 07	N71-30309* #
US-PATENT-CLASS-165-46	c 05	N73-26071* #	US-PATENT-CLASS-178-DIG 32	c 71	N74-21014* #	US-PATENT-CLASS-179-1SP	c 32	N71-33108* #
US-PATENT-CLASS-165-46	c 54	N82-29002* #	US-PATENT-CLASS-178-DIG 35	c 09	N76-24280* #	US-PATENT-CLASS-179-1VC	c 21	N73-13644* #
US-PATENT-CLASS-165-47	c 33	N71-29052* #	US-PATENT-CLASS-178-DIG 36	c 08	N72-22164* #	US-PATENT-CLASS-179-100 2A	c 32	N74-27612* #
US-PATENT-CLASS-165-47	c 31	N73-30829* #	US-PATENT-CLASS-178-DIG 6	c 10	N73-13235* #	US-PATENT-CLASS-179-100 2A	c 32	N74-27612* #
US-PATENT-CLASS-165-47	c 34	N75-12222* #	US-PATENT-CLASS-178-DIG 8	c 14	N72-25412* #	US-PATENT-CLASS-179-100 2B	c 36	N74-13205* #
US-PATENT-CLASS-165-58	c 27	N83-36220* #	US-PATENT-CLASS-178-DIG 8	c 45	N76-17656* #	US-PATENT-CLASS-179-100 2CH	c 35	N78-29421* #
US-PATENT-CLASS-165-61	c 34	N83-34221* #	US-PATENT-CLASS-178-15	c 33	N75-19517* #	US-PATENT-CLASS-179-100 2CH	c 35	N79-16246* #
US-PATENT-CLASS-165-76	c 34	N83-28356* #	US-PATENT-CLASS-178-18	c 10	N73-32143* #	US-PATENT-CLASS-179-100 2C	c 35	N77-21392* #
US-PATENT-CLASS-165-80E	c 34	N83-34221* #	US-PATENT-CLASS-178-22 16	c 32	N82-31583* #	US-PATENT-CLASS-179-100 2C	c 07	N72-21119* #
US-PATENT-CLASS-165-86	c 15	N71-26611* #	US-PATENT-CLASS-178-22 17	c 32	N82-31583* #	US-PATENT-CLASS-179-100 2K	c 35	N74-11283* #
US-PATENT-CLASS-165-86	c 33	N71-29046* #	US-PATENT-CLASS-178-5 2R	c 09	N71-28618* #	US-PATENT-CLASS-179-100 2MD	c 35	N74-11283* #
US-PATENT-CLASS-165-96	c 33	N70-36847* #	US-PATENT-CLASS-178-5 2R	c 07	N72-17109* #	US-PATENT-CLASS-179-100 2T	c 09	N69-24329* #
US-PATENT-CLASS-165-96	c 33	N71-22890* #	US-PATENT-CLASS-178-5 4	c 07	N72-17109* #	US-PATENT-CLASS-179-100 2	c 09	N71-25866* #
US-PATENT-CLASS-165-96	c 31	N73-30829* #	US-PATENT-CLASS-178-5 8R	c 71	N74-21014* #	US-PATENT-CLASS-179-100 2	c 08	N71-27210* #
US-PATENT-CLASS-165-96	c 33	N73-32818* #	US-PATENT-CLASS-178-50	c 08	N72-18184* #	US-PATENT-CLASS-179-100 2	c 08	N71-27255* #
US-PATENT-CLASS-165-96	c 34	N78-17337* #	US-PATENT-CLASS-178-50	c 08	N72-25208* #	US-PATENT-CLASS-179-100 2CA	c 09	N72-11224* #
US-PATENT-CLASS-166-222	c 43	N81-26509* #	US-PATENT-CLASS-178-52	c 08	N72-22162* #	US-PATENT-CLASS-179-100 2MD	c 33	N78-10375* #
US-PATENT-CLASS-166-248	c 43	N78-14452* #	US-PATENT-CLASS-178-54CF	c 09	N71-28618* #	US-PATENT-CLASS-179-107R	c 08	N72-11171* #
US-PATENT-CLASS-166-259	c 43	N78-14452* #	US-PATENT-CLASS-178-54PE	c 09	N71-28618* #	US-PATENT-CLASS-179-15 5SR	c 08	N72-33172* #
US-PATENT-CLASS-166-267	c 25	N82-23282* #	US-PATENT-CLASS-178-58A	c 32	N75-21486* #	US-PATENT-CLASS-179-15 5SR	c 07	N73-16121* #
US-PATENT-CLASS-166-303	c 25	N82-23282* #	US-PATENT-CLASS-178-58R	c 32	N80-18252* #	US-PATENT-CLASS-179-15A	c 32	N74-30524* #
US-PATENT-CLASS-166-63	c 46	N79-22679* #	US-PATENT-CLASS-178-6 5	c 23	N72-27728* #	US-PATENT-CLASS-179-15A	c 08	N72-22162* #
US-PATENT-CLASS-166-77	c 43	N81-26509* #	US-PATENT-CLASS-178-6 6DD	c 07	N73-30115* #	US-PATENT-CLASS-179-15A	c 07	N73-26118* #
US-PATENT-CLASS-169-28	c 12	N72-21310* #	US-PATENT-CLASS-178-6 6DD	c 35	N74-11283* #	US-PATENT-CLASS-179-15A	c 60	N77-12721* #
US-PATENT-CLASS-169-36	c 12	N72-21310* #	US-PATENT-CLASS-178-6 6	c 07	N71-11300* #	US-PATENT-CLASS-179-15A	c 32	N80-18252* #
US-PATENT-CLASS-169-47	c 25	N83-36118* #	US-PATENT-CLASS-178-6 6	c 07	N71-26102* #	US-PATENT-CLASS-179-15B	c 08	N72-25208* #
US-PATENT-CLASS-169-62	c 31	N81-14137* #	US-PATENT-CLASS-178-6 7R	c 35	N74-15831* #	US-PATENT-CLASS-179-15B	c 07	N73-16121* #
US-PATENT-CLASS-169-70	c 31	N81-14137* #	US-PATENT-CLASS-178-6 7	c 07	N72-17109* #	US-PATENT-CLASS-179-15B	c 32	N74-30523* #
US-PATENT-CLASS-173-131	c 15	N73-13463* #	US-PATENT-CLASS-178-6 8	c 08	N72-22164* #	US-PATENT-CLASS-179-15B	c 33	N75-26243* #
US-PATENT-CLASS-173-132	c 37	N76-18454* #	US-PATENT-CLASS-178-6 8	c 14	N72-25412* #	US-PATENT-CLASS-179-15B	c 08	N72-22162* #
US-PATENT-CLASS-174-DIG 6	c 26	N73-26752* #	US-PATENT-CLASS-178-6 8	c 07	N73-30115* #	US-PATENT-CLASS-179-15B	c 07	N73-26118* #
US-PATENT-CLASS-174-DIG 6	c 26	N73-32571* #	US-PATENT-CLASS-178-6 8	c 33	N75-30431* #	US-PATENT-CLASS-179-15B	c 10	N71-33407* #
US-PATENT-CLASS-174-DIG 8	c 33	N74-22865* #	US-PATENT-CLASS-178-6 8	c 45	N76-17656* #	US-PATENT-CLASS-179-15B	c 07	N73-30115* #
US-PATENT-CLASS-174-106R	c 09	N72-22198* #	US-PATENT-CLASS-178-66R	c 32	N75-24981* #	US-PATENT-CLASS-179-15B	c 32	N75-26195* #
US-PATENT-CLASS-174-110 3	c 14	N71-27186* #	US-PATENT-CLASS-178-66	c 09	N71-25866* #	US-PATENT-CLASS-179-15B	c 60	N77-19760* #
US-PATENT-CLASS-174-111	c 33	N74-27683* #	US-PATENT-CLASS-178-67	c 08	N72-18184* #	US-PATENT-CLASS-179-15B	c 07	N72-25172* #
US-PATENT-CLASS-174-115	c 09	N70-38201* #	US-PATENT-CLASS-178-67	c 08	N70-41961* #	US-PATENT-CLASS-179-15B	c 32	N74-30524* #
US-PATENT-CLASS-174-117F	c 09	N72-22198* #	US-PATENT-CLASS-178-69 1	c 32	N74-26654* #	US-PATENT-CLASS-179-15B	c 07	N71-24622* #
US-PATENT-CLASS-174-126CP	c 26	N73-32571* #	US-PATENT-CLASS-178-69 1	c 32	N78-15323* #	US-PATENT-CLASS-179-15B	c 08	N72-25208* #
US-PATENT-CLASS-174-142	c 33	N80-18286* #	US-PATENT-CLASS-178-69 4R	c 32	N74-10132* #	US-PATENT-CLASS-179-15B	c 07	N73-28012* #
US-PATENT-CLASS-174-145	c 33	N76-16332* #	US-PATENT-CLASS-178-69 5R	c 07	N72-20140* #	US-PATENT-CLASS-179-15B	c 07	N69-39978* #
US-PATENT-CLASS-174-148	c 33	N76-16332* #	US-PATENT-CLASS-178-69 5R	c 32	N75-26195* #	US-PATENT-CLASS-179-15	c 07	N71-20814* #
US-PATENT-CLASS-174-15CA	c 31	N79-17029* #	US-PATENT-CLASS-178-69 5R	c 33	N76-14371* #	US-PATENT-CLASS-179-15	c 07	N71-24621* #
US-PATENT-CLASS-174-15C	c 33	N74-27683* #	US-PATENT-CLASS-178-69 5R	c 60	N77-19760* #	US-PATENT-CLASS-179-15	c 07	N71-24622* #
US-PATENT-CLASS-174-18	c 09	N69-21542* #	US-PATENT-CLASS-178-69 5	c 07	N71-11281* #	US-PATENT-CLASS-179-15	c 08	N72-18184* #
US-PATENT-CLASS-174-28	c 07	N71-27191* #	US-PATENT-CLASS-178-69 5	c 10	N71-19468* #	US-PATENT-CLASS-179-175 1A	c 14	N73-27379* #
US-PATENT-CLASS-174-28	c 33	N74-27683* #	US-PATENT-CLASS-178-69 5	c 10	N71-25865* #	US-PATENT-CLASS-179-175 1A	c 33	N78-10375* #
US-PATENT-CLASS-174-35	c 07	N71-19436* #	US-PATENT-CLASS-178-69 5	c 10	N71-33407* #	US-PATENT-CLASS-179-18GF	c 33	N82-29538* #
US-PATENT-CLASS-174-36	c 09	N72-22198* #	US-PATENT-CLASS-178-69 5	c 07	N72-25173* #	US-PATENT-CLASS-179-1	c 07	N71-26181* #
US-PATENT-CLASS-174-525	c 15	N73-14469* #	US-PATENT-CLASS-178-69 5	c 07	N73-13149* #	US-PATENT-CLASS-179-1	c 31	N71-33160* #
US-PATENT-CLASS-174-68 5	c 15	N70-41960* #	US-PATENT-CLASS-178-69 5	c 09	N73-28084* #	US-PATENT-CLASS-179-27CA	c 32	N79-23310* #
US-PATENT-CLASS-174-69	c 33	N74-22865* #	US-PATENT-CLASS-178-69A	c 17	N76-22245* #	US-PATENT-CLASS-179-78	c 33	N81-27397* #
US-PATENT-CLASS-174-70R	c 33	N74-22865* #	US-PATENT-CLASS-178-69A	c 35	N75-21582* #	US-PATENT-CLASS-179-84VF	c 32	N79-23310* #
US-PATENT-CLASS-174-72	c 03	N69-21539* #	US-PATENT-CLASS-178-69C	c 32	N76-16249* #	US-PATENT-CLASS-179-91R	c 74	N78-14889* #
US-PATENT-CLASS-174-73R	c 33	N80-18286* #	US-PATENT-CLASS-178-6	c 07	N71-19433* #	US-PATENT-CLASS-18-26	c 06	N71-22975* #
US-PATENT-CLASS-174-84	c 15	N72-17455* #	US-PATENT-CLASS-178-6	c 09	N71-19449* #	US-PATENT-CLASS-18-39	c 27	N70-34783* #
US-PATENT-CLASS-175-1	c 46	N79-22679* #	US-PATENT-CLASS-178-6	c 07	N71-23026* #	US-PATENT-CLASS-18-6	c 15	N71-26721* #
US-PATENT-CLASS-175-26	c 15	N73-32362* #	US-PATENT-CLASS-178-6	c 07	N71-26579* #	US-PATENT-CLASS-180-105E	c 11	N72-20244* #
US-PATENT-CLASS-175-310	c 15	N70-42034* #	US-PATENT-CLASS-178-6	c 07	N72-12081* #	US-PATENT-CLASS-180-118	c 31	N71-15689* #
US-PATENT-CLASS-175-323	c 14	N69-21923* #	US-PATENT-CLASS-178-6	c 16	N72-13437* #	US-PATENT-CLASS-180-121	c 15	N72-17451* #
US-PATENT-CLASS-175-78	c 46	N80-10709* #	US-PATENT-CLASS-178-6	c 10	N73-13235* #	US-PATENT-CLASS-180-125	c 15	N72-17451* #
US-PATENT-CLASS-176-11	c 24	N72-33681* #	US-PATENT-CLASS-178-6	c 36	N74-20009* #	US-PATENT-CLASS-180-127	c 11	N73-26238* #
US-PATENT-CLASS-176-11	c 25	N76-27383* #	US-PATENT-CLASS-178-7 1	c 07	N71-24612* #	US-PATENT-CLASS-180-6 5	c 11	N73-26238* #
US-PATENT-CLASS-176-11	c 25	N76-29379* #	US-PATENT-CLASS-178-7 1	c 07	N71-27341* #	US-PATENT-CLASS-180-79 3	c 37	N74-18125* #
US-PATENT-CLASS-176-169	c 22	N73-32528* #	US-PATENT-CLASS-178-7 1	c 36	N75-19652* #	US-PATENT-CLASS-180-8A	c 11	N73-26238* #
US-PATENT-CLASS-176-16	c 25	N76-27383* #	US-PATENT-CLASS-178-7 2R	c 08	N72-22164* #	US-PATENT-CLASS-180-9 2R	c 11	N73-26238* #
US-PATENT-CLASS-176-16	c 25	N76-29379* #	US-PATENT-CLASS-178-7 2	c 14	N70-41807* #	US-PATENT-CLASS-180-9 5	c 11	N73-26238* #
US-PATENT-CLASS-176-16	c 25	N78-27226* #	US-PATENT-CLASS-178-7 2	c 71	N74-21014* #	US-PATENT-CLASS-181 5R	c 71	N74-31148* #
US-PATENT-CLASS-176-22	c 73	N78-28913* #	US-PATENT-CLASS-178-7 2	c 35	N75-25123* #	US-PATENT-CLASS-181-5	c 11	N71-28779* #
US-PATENT-CLASS-176-33	c 73	N78-28913* #	US-PATENT-CLASS-178-7 3	c 07	N71-27341* #	US-PATENT-CLASS-181-102	c 39	N80-10507* #
US-PATENT-CLASS-176-39	c 73	N78-19920* #	US-PATENT-CLASS-178-7 3	c 07	N72-12081* #	US-PATENT-CLASS-181-102	c 31	N80-32584* #
US-PATENT-CLASS-176-39	c 73	N78-28913* #	US-PATENT-CLASS-178-7 5E	c 10	N72-31273* #	US-PATENT-CLASS-181-105	c 39	N80-10507* #
US-PATENT-CLASS-176-3	c 75	N75-13625* #	US-PATENT-CLASS-178-7 6	c 36	N74-20009* #	US-PATENT-CLASS-181-106	c 46	N79-22679* #
US-PATENT-CLASS-176-45	c 22	N71-28759* #	US-PATENT-CLASS-178-7 7	c 09	N71-12539* #	US-PATENT-CLASS-181-115	c 46	N79-23555* #
US-PATENT-CLASS-176-86G	c 22	N72-20597* #	US-PATENT-CLASS-178-7 7	c 32	N74-20813* #			
US-PATENT-CLASS-177-1	c 35	N77-19385* #	US-PATENT-CLASS-178-7 89</					

REPORT NUMBER INDEX

US-PATENT-CLASS-204-56R

US-PATENT-CLASS-181-117	c 46	N79-22679* #	US-PATENT-CLASS-195-99	c 06	N71-17705*	US-PATENT-CLASS-204-180G	c 25	N79-14169* #
US-PATENT-CLASS-181-120	c 46	N79-23555* #	US-PATENT-CLASS-197-188	c 37	N77-19457* #	US-PATENT-CLASS-204-180G	c 37	N80-14397* #
US-PATENT-CLASS-181-148	c 71	N79-23753* #	US-PATENT-CLASS-197-190	c 37	N77-19457* #	US-PATENT-CLASS-204-180P	c 54	N78-14784* #
US-PATENT-CLASS-181-190	c 71	N79-14871* #	US-PATENT-CLASS-198-847	c 37	N80-32717* #	US-PATENT-CLASS-204-180R	c 25	N74-26948* #
US-PATENT-CLASS-181-213	c 71	N79-14871* #	US-PATENT-CLASS-198-848	c 37	N80-32717* #	US-PATENT-CLASS-204-180R	c 34	N74-27744* #
US-PATENT-CLASS-181-213	c 07	N83-33884* #	US-PATENT-CLASS-1	c 14	N71-27005*	US-PATENT-CLASS-204-180R	c 51	N80-16715* #
US-PATENT-CLASS-181-214	c 07	N81-14999* #	US-PATENT-CLASS-2-115	c 05	N72-25119* #	US-PATENT-CLASS-204-180S	c 25	N79-10163* #
US-PATENT-CLASS-181-214	c 71	N82-16800* #	US-PATENT-CLASS-2-14	c 05	N71-23096*	US-PATENT-CLASS-204-180S	c 25	N79-14169* #
US-PATENT-CLASS-181-222	c 71	N79-14871* #	US-PATENT-CLASS-2-161	c 54	N78-17677* #	US-PATENT-CLASS-204-192C	c 76	N79-14906* #
US-PATENT-CLASS-181-293	c 71	N79-14871* #	US-PATENT-CLASS-2-2 1A	c 05	N72-22092* #	US-PATENT-CLASS-204-192C	c 26	N82-29415* #
US-PATENT-CLASS-181-33C	c 07	N74-32418* #	US-PATENT-CLASS-2-2 1A	c 05	N73-25125* #	US-PATENT-CLASS-204-192C	c 26	N82-30371* #
US-PATENT-CLASS-181-33F	c 07	N74-32418* #	US-PATENT-CLASS-2-2 1A	c 05	N73-32012* #	US-PATENT-CLASS-204-192EC	c 27	N82-28440* #
US-PATENT-CLASS-181-33HB	c 07	N74-27490* #	US-PATENT-CLASS-2-2 1A	c 54	N74-32546* #	US-PATENT-CLASS-204-192EC	c 27	N82-33521* #
US-PATENT-CLASS-181-33HC	c 07	N74-33218* #	US-PATENT-CLASS-2-2 1A	c 54	N77-32721* #	US-PATENT-CLASS-204-192E	c 37	N81-19455* #
US-PATENT-CLASS-181-33HC	c 07	N76-18117* #	US-PATENT-CLASS-2-2 1A	c 54	N78-17675* #	US-PATENT-CLASS-204-192E	c 27	N82-28440* #
US-PATENT-CLASS-181-33H	c 07	N74-32418* #	US-PATENT-CLASS-2-2 1A	c 54	N78-31735* #	US-PATENT-CLASS-204-192E	c 27	N82-33521* #
US-PATENT-CLASS-181-33L	c 07	N74-32418* #	US-PATENT-CLASS-2-2 1A	c 54	N78-31736* #	US-PATENT-CLASS-204-192E	c 24	N83-10117* #
US-PATENT-CLASS-181-42	c 07	N74-32418* #	US-PATENT-CLASS-2-2 1A	c 54	N79-24651* #	US-PATENT-CLASS-204-192	c 15	N73-12487* #
US-PATENT-CLASS-181-43	c 07	N74-15453* #	US-PATENT-CLASS-2-2 1	c 05	N71-11194* #	US-PATENT-CLASS-204-192	c 17	N73-24569* #
US-PATENT-CLASS-181-52	c 28	N70-41582* #	US-PATENT-CLASS-2-2 1	c 05	N71-11195* #	US-PATENT-CLASS-204-192	c 27	N74-13270* #
US-PATENT-CLASS-182-10	c 15	N71-27067* #	US-PATENT-CLASS-2-2 1	c 05	N71-12335* #	US-PATENT-CLASS-204-192	c 20	N74-31269* #
US-PATENT-CLASS-182-178	c 39	N76-31562* #	US-PATENT-CLASS-2-2 1	c 05	N71-12344* #	US-PATENT-CLASS-204-192	c 37	N75-19684* #
US-PATENT-CLASS-182-191	c 05	N71-11199* #	US-PATENT-CLASS-2-2 1	c 05	N71-23161* #	US-PATENT-CLASS-204-192	c 44	N77-14580* #
US-PATENT-CLASS-182-5	c 15	N73-25512* #	US-PATENT-CLASS-2-2 1	c 05	N71-24623* #	US-PATENT-CLASS-204-195B	c 25	N79-24073* #
US-PATENT-CLASS-182-62 5	c 31	N81-27324* #	US-PATENT-CLASS-2-2 1	c 05	N71-24730* #	US-PATENT-CLASS-204-195B	c 51	N80-27067* #
US-PATENT-CLASS-184-1	c 15	N71-23048* #	US-PATENT-CLASS-2-2 1	c 05	N72-20096* #	US-PATENT-CLASS-204-195B	c 51	N81-28698* #
US-PATENT-CLASS-185-38	c 37	N78-16369* #	US-PATENT-CLASS-2-2 1	c 05	N72-20098* #	US-PATENT-CLASS-204-195B	c 35	N82-28604* #
US-PATENT-CLASS-187-1	c 15	N72-25453* #	US-PATENT-CLASS-2-2 1	c 05	N72-25119* #	US-PATENT-CLASS-204-195R	c 33	N76-19339* #
US-PATENT-CLASS-187-20	c 15	N72-25453* #	US-PATENT-CLASS-2-2 1	c 05	N72-26071* #	US-PATENT-CLASS-204-195S	c 25	N82-12166* #
US-PATENT-CLASS-187-7 1	c 07	N71-24742* #	US-PATENT-CLASS-2-2 1	c 34	N78-17337* #	US-PATENT-CLASS-204-195W	c 35	N78-25391* #
US-PATENT-CLASS-187-95	c 15	N72-25453* #	US-PATENT-CLASS-2-2 1	c 54	N78-17678* #	US-PATENT-CLASS-204-195	c 14	N71-17575* #
US-PATENT-CLASS-188-1B	c 15	N72-20443* #	US-PATENT-CLASS-2-2 1	c 54	N78-18761* #	US-PATENT-CLASS-204-2 1	c 14	N81-29524* #
US-PATENT-CLASS-188-1B	c 19	N76-22284* #	US-PATENT-CLASS-2-275	c 18	N71-26285* #	US-PATENT-CLASS-204-20	c 18	N71-16210* #
US-PATENT-CLASS-188-1C	c 15	N72-17450* #	US-PATENT-CLASS-2-6	c 05	N71-26333* #	US-PATENT-CLASS-204-222	c 31	N74-23065* #
US-PATENT-CLASS-188-1C	c 15	N72-20443* #	US-PATENT-CLASS-2-6	c 54	N78-17680* #	US-PATENT-CLASS-204-224	c 37	N80-14395* #
US-PATENT-CLASS-188-1C	c 15	N73-30460* #	US-PATENT-CLASS-2-81	c 18	N71-26285* #	US-PATENT-CLASS-204-242	c 33	N75-27252* #
US-PATENT-CLASS-188-1C	c 11	N73-32152* #	US-PATENT-CLASS-2-81	c 05	N73-32012* #	US-PATENT-CLASS-204-252	c 28	N81-24280* #
US-PATENT-CLASS-188-1C	c 37	N79-10420* #	US-PATENT-CLASS-2-82	c 54	N74-32546* #	US-PATENT-CLASS-204-263	c 14	N71-28933* #
US-PATENT-CLASS-188-103	c 15	N71-27146* #	US-PATENT-CLASS-200-114	c 33	N79-33393* #	US-PATENT-CLASS-204-263	c 25	N82-12166* #
US-PATENT-CLASS-188-129	c 15	N72-17450* #	US-PATENT-CLASS-200-129	c 33	N75-27429* #	US-PATENT-CLASS-204-264	c 25	N82-12166* #
US-PATENT-CLASS-188-134	c 37	N81-15364* #	US-PATENT-CLASS-200-152	c 09	N71-19610* #	US-PATENT-CLASS-204-266	c 28	N81-24280* #
US-PATENT-CLASS-188-151A	c 44	N79-14527* #	US-PATENT-CLASS-200-153S	c 33	N80-18285* #	US-PATENT-CLASS-204-266	c 25	N82-12166* #
US-PATENT-CLASS-188-163	c 37	N74-26976* #	US-PATENT-CLASS-200-19	c 09	N70-39915* #	US-PATENT-CLASS-204-267	c 33	N75-27252* #
US-PATENT-CLASS-188-171	c 37	N74-26976* #	US-PATENT-CLASS-200-304	c 33	N80-18285* #	US-PATENT-CLASS-204-275	c 25	N82-12166* #
US-PATENT-CLASS-188-180	c 37	N81-15364* #	US-PATENT-CLASS-200-39	c 03	N70-38713* #	US-PATENT-CLASS-204-276	c 25	N82-12166* #
US-PATENT-CLASS-188-184	c 37	N81-15364* #	US-PATENT-CLASS-200-46	c 74	N79-12890* #	US-PATENT-CLASS-204-278	c 25	N82-12166* #
US-PATENT-CLASS-188-1	c 15	N70-34861* #	US-PATENT-CLASS-200-61 42	c 09	N71-12518* #	US-PATENT-CLASS-204-279	c 33	N75-27252* #
US-PATENT-CLASS-188-1	c 15	N70-38601* #	US-PATENT-CLASS-200-61 45	c 14	N70-41812* #	US-PATENT-CLASS-204-280R	c 25	N83-13187* #
US-PATENT-CLASS-188-1	c 15	N70-40354* #	US-PATENT-CLASS-200-61	c 74	N79-12890* #	US-PATENT-CLASS-204-286	c 33	N75-27252* #
US-PATENT-CLASS-188-1	c 14	N71-17626* #	US-PATENT-CLASS-200-64	c 15	N72-17455* #	US-PATENT-CLASS-204-290F	c 28	N81-24280* #
US-PATENT-CLASS-188-1	c 15	N71-22877* #	US-PATENT-CLASS-200-6	c 10	N71-15909* #	US-PATENT-CLASS-204-290F	c 44	N82-29710* #
US-PATENT-CLASS-188-1	c 14	N71-23092* #	US-PATENT-CLASS-200-6	c 09	N71-16089* #	US-PATENT-CLASS-204-290R	c 33	N75-27252* #
US-PATENT-CLASS-188-1	c 15	N71-26243* #	US-PATENT-CLASS-200-81 9M	c 09	N72-20199* #	US-PATENT-CLASS-204-290R	c 28	N81-24280* #
US-PATENT-CLASS-188-1	c 15	N71-27146* #	US-PATENT-CLASS-200-81R	c 09	N72-22204* #	US-PATENT-CLASS-204-290R	c 44	N82-29710* #
US-PATENT-CLASS-188-1	c 15	N71-27169* #	US-PATENT-CLASS-200-82C	c 09	N72-22204* #	US-PATENT-CLASS-204-291	c 28	N81-24280* #
US-PATENT-CLASS-188-266	c 15	N73-25513* #	US-PATENT-CLASS-200-82	c 10	N71-23663* #	US-PATENT-CLASS-204-292	c 25	N78-10225* #
US-PATENT-CLASS-188-268	c 15	N72-20443* #	US-PATENT-CLASS-200-83N	c 35	N75-15931* #	US-PATENT-CLASS-204-298	c 15	N70-34987* #
US-PATENT-CLASS-188-269	c 44	N79-14527* #	US-PATENT-CLASS-200-83	c 33	N79-33392* #	US-PATENT-CLASS-204-298	c 09	N71-26701* #
US-PATENT-CLASS-188-291	c 54	N77-21844* #	US-PATENT-CLASS-201-10	c 27	N81-17261* #	US-PATENT-CLASS-204-298	c 15	N72-32487* #
US-PATENT-CLASS-188-371	c 37	N82-18601* #	US-PATENT-CLASS-201-17	c 44	N78-31527* #	US-PATENT-CLASS-204-298	c 37	N75-19684* #
US-PATENT-CLASS-188-65 1	c 15	N73-25512* #	US-PATENT-CLASS-201-17	c 25	N81-33246* #	US-PATENT-CLASS-204-299R	c 25	N78-14104* #
US-PATENT-CLASS-188-65 5	c 15	N71-27067* #	US-PATENT-CLASS-201-17	c 25	N82-29371* #	US-PATENT-CLASS-204-299R	c 25	N79-14169* #
US-PATENT-CLASS-188-87	c 12	N71-16894* #	US-PATENT-CLASS-201-17	c 25	N83-31743* #	US-PATENT-CLASS-204-299R	c 37	N80-14397* #
US-PATENT-CLASS-188-88	c 15	N71-26611* #	US-PATENT-CLASS-201-25	c 27	N81-17261* #	US-PATENT-CLASS-204-299R	c 51	N80-16715* #
US-PATENT-CLASS-189-36	c 15	N70-36947* #	US-PATENT-CLASS-201-8	c 27	N81-17261* #	US-PATENT-CLASS-204-299R	c 25	N83-10126* #
US-PATENT-CLASS-195-205	c 37	N76-18456* #	US-PATENT-CLASS-202-118	c 31	N81-15154* #	US-PATENT-CLASS-204-299R	c 25	N83-13187* #
US-PATENT-CLASS-192-43 1	c 15	N71-17805* #	US-PATENT-CLASS-202-182	c 05	N71-11207* #	US-PATENT-CLASS-204-299	c 34	N74-27744* #
US-PATENT-CLASS-195-1 8	c 51	N77-25769* #	US-PATENT-CLASS-202-234	c 15	N71-23086* #	US-PATENT-CLASS-204-299	c 25	N79-10163* #
US-PATENT-CLASS-195-1 8	c 51	N79-10694* #	US-PATENT-CLASS-203-12	c 25	N82-28368* #	US-PATENT-CLASS-204-301	c 54	N78-14784* #
US-PATENT-CLASS-195-1 8	c 52	N79-14749* #	US-PATENT-CLASS-204-DIG 11	c 25	N77-32255* #	US-PATENT-CLASS-204-305	c 03	N71-24718* #
US-PATENT-CLASS-195-103 5K	c 51	N77-22794* #	US-PATENT-CLASS-204-1T	c 25	N79-22235* #	US-PATENT-CLASS-204-30	c 09	N71-28691* #
US-PATENT-CLASS-195-103 5K	c 52	N79-14750* #	US-PATENT-CLASS-204-1T	c 51	N81-28698* #	US-PATENT-CLASS-204-32A	c 33	N77-26385* #
US-PATENT-CLASS-195-103 5L	c 52	N79-14750* #	US-PATENT-CLASS-204-1T	c 25	N82-12166* #	US-PATENT-CLASS-204-32R	c 44	N76-14595* #
US-PATENT-CLASS-195-103 5R	c 06	N72-25149* #	US-PATENT-CLASS-204-129 55	c 31	N83-19947* #	US-PATENT-CLASS-204-324	c 33	N73-16918* #
US-PATENT-CLASS-195-103 5R	c 25	N75-12086* #	US-PATENT-CLASS-204-129	c 31	N83-19947* #	US-PATENT-CLASS-204-325	c 33	N73-16918* #
US-PATENT-CLASS-195-103 5R	c 35	N75-27330* #	US-PATENT-CLASS-204-130	c 15	N72-14666* #	US-PATENT-CLASS-204-328	c 33	N73-16918* #
US-PATENT-CLASS-195-103 5R	c 35	N75-33368* #	US-PATENT-CLASS-204-157 1H	c 25	N74-30502* #	US-PATENT-CLASS-204-32	c 44	N79-11469* #
US-PATENT-CLASS-195-103 5R	c 51	N77-22794* #	US-PATENT-CLASS-204-157 1H	c 37	N76-18458* #	US-PATENT-CLASS-204-33	c 17	N71-25903* #
US-PATENT-CLASS-195-103 5R	c 25	N79-22235* #	US-PATENT-CLASS-204-157 1R	c 25	N77-32255* #	US-PATENT-CLASS-204-33	c 44	N76-14595* #
US-PATENT-CLASS-195-120	c 51	N75-13502* #	US-PATENT-CLASS-204-157 1R	c 44	N77-32580* #	US-PATENT-CLASS-204-33	c 44	N83-34449* #
US-PATENT-CLASS-195-120	c 35	N75-27330* #	US-PATENT-CLASS-204-157 1R	c 44	N79-11470* #	US-PATENT-CLASS-204-35N	c 27	N83-29388* #
US-PATENT-CLASS-195-127	c 15	N72-21465* #	US-PATENT-CLASS-204-157 1RAG	c 15	N72-25452* #	US-PATENT-CLASS-204-35N	c 44	N83-34449* #
US-PATENT-CLASS-195-127	c 11	N72-25284* #	US-PATENT-CLASS-204-158R	c 25	N77-32255* #	US-PATENT-CLASS-204-37R	c 44	N79-11469* #
US-PATENT-CLASS-195-127	c 14	N72-25413* #	US-PATENT-CLASS-204-159 11	c 27	N80-32516* #	US-PATENT-CLASS-204-37R	c 27	N83-29388* #
US-PATENT-CLASS-195-127	c 15	N73-20514* #	US-PATENT-CLASS-204-159 14	c 27	N80-32516* #	US-PATENT-CLASS-204-37	c 33	N71-29151* #
US-PATENT-CLASS-195-127	c 05	N73-32011* #	US-PATENT-CLASS-204-159 15	c 27	N80-26446* #	US-PATENT-CLASS-204-38A	c 44	N76-14595* #
US-PATENT-CLASS-195-127	c 35	N75-12272* #	US-PATENT-CLASS-204-159 19	c 27	N80-26446* #	US-PATENT-CLASS-204-38B	c 44	N79-11469* #
US-PATENT-CLASS-195-127	c 51	N75-13502* #	US-PATENT-CLASS-204-162R	c 25	N77-32255* #	US-PATENT-CLASS-204-38B	c 27	N82-33521* #
US-PATENT-CLASS-195-127	c 35	N75-27330* #	US-PATENT-CLASS-204-164	c 26	N78-32229* #	US-PATENT-CLASS-204-38	c 17	N71-24630* #
US-PATENT-CLASS-195-127	c 25	N79-22235* #	US-PATENT-CLASS-204-168	c 24	N71-25555* #	US-PATENT-CLASS-204-40	c 44	N76-14595* #
US-PATENT-CLASS-195-127	c 25	N79-24073* #	US-PATENT-CLASS-204-16	c 24	N77-19171* #	US-PATENT-CLASS-204-40	c 24	N77-19171* #
US-PATENT-CLASS-195-141	c 35	N75-27330* #	US-PATENT-CLASS-204-171	c 27	N80-23452* #	US-PATENT-CLASS-204-42	c 44	N76-14595* #
US-PATENT-CLASS-195-28N	c 06	N72-25149* #	US-PATENT-CLASS-204-175	c 26	N78-32229* #	US-PATENT-CLASS-204-49	c 15	N72-25452* #
US-PATENT-CLASS-195-66R	c 06	N73-27086* #						

US-PATENT-CLASS-204-56R

REPORT NUMBER INDEX

US-PATENT-CLASS-204-56R	c 27	N83-29388* #	US-PATENT-CLASS-219-10 49	c 11	N71-15925*	US-PATENT-CLASS-220-378	c 37	N82-24490* #
US-PATENT-CLASS-204-59	c 15	N72-21466* #	US-PATENT-CLASS-219-10 53	c 33	N82-26571* #	US-PATENT-CLASS-220-423	c 37	N80-18393* #
US-PATENT-CLASS-204-9	c 20	N74-32919* #	US-PATENT-CLASS-219-10 67	c 33	N81-19389* #	US-PATENT-CLASS-220-429	c 44	N80-20808* #
US-PATENT-CLASS-204-9	c 24	N77-19171* #	US-PATENT-CLASS-219-101	c 15	N73-14468* #	US-PATENT-CLASS-220-445	c 37	N80-18393* #
US-PATENT-CLASS-204-195B	c 25	N79-22235* #	US-PATENT-CLASS-219-101	c 37	N74-11300* #	US-PATENT-CLASS-220-46	c 15	N71-27068* #
US-PATENT-CLASS-205-343	c 35	N75-30502* #	US-PATENT-CLASS-219-107	c 15	N73-28515* #	US-PATENT-CLASS-220-5R	c 15	N72-22486* #
US-PATENT-CLASS-206-439	c 52	N79-14749* #	US-PATENT-CLASS-219-107	c 37	N74-11300* #	US-PATENT-CLASS-220-55	c 15	N69-27502* #
US-PATENT-CLASS-208-10	c 25	N79-11152* #	US-PATENT-CLASS-219-109	c 15	N72-23497* #	US-PATENT-CLASS-220-63	c 11	N70-38182* #
US-PATENT-CLASS-208-241	c 25	N82-23282* #	US-PATENT-CLASS-219-117	c 15	N73-32358* #	US-PATENT-CLASS-220-67	c 15	N71-10577* #
US-PATENT-CLASS-208-8	c 25	N79-11152* #	US-PATENT-CLASS-219-118	c 37	N76-27568* #	US-PATENT-CLASS-220-82R	c 31	N81-19343* #
US-PATENT-CLASS-209-10	c 15	N71-20440* #	US-PATENT-CLASS-219-118	c 37	N77-11397* #	US-PATENT-CLASS-220-89A	c 31	N81-19343* #
US-PATENT-CLASS-209-127R	c 35	N76-22509* #	US-PATENT-CLASS-219-119	c 15	N73-14468* #	US-PATENT-CLASS-220-89	c 11	N71-15960* #
US-PATENT-CLASS-209-250	c 37	N76-18456* #	US-PATENT-CLASS-219-121LN	c 44	N82-26777* #	US-PATENT-CLASS-220-89	c 11	N71-17600* #
US-PATENT-CLASS-209-300	c 37	N76-18456* #	US-PATENT-CLASS-219-121P	c 15	N72-32487* #	US-PATENT-CLASS-220-901	c 37	N80-18393* #
US-PATENT-CLASS-209-305	c 37	N76-18456* #	US-PATENT-CLASS-219-121	c 15	N69-21471* #	US-PATENT-CLASS-220-9	c 23	N71-22881* #
US-PATENT-CLASS-209-349	c 15	N72-22483* #	US-PATENT-CLASS-219-121	c 33	N70-34540* #	US-PATENT-CLASS-220-9	c 18	N71-23658* #
US-PATENT-CLASS-21-207	c 17	N71-16393* #	US-PATENT-CLASS-219-121	c 15	N71-19486* #	US-PATENT-CLASS-220-9	c 15	N71-23816* #
US-PATENT-CLASS-210-DIG 23	c 52	N79-14749* #	US-PATENT-CLASS-219-121	c 16	N71-20400* #	US-PATENT-CLASS-220-9	c 33	N71-25351* #
US-PATENT-CLASS-210-DIG 27	c 27	N77-31308* #	US-PATENT-CLASS-219-121	c 15	N71-27135* #	US-PATENT-CLASS-221-265	c 51	N74-15778* #
US-PATENT-CLASS-210-103	c 05	N72-27102* #	US-PATENT-CLASS-219-124 2-2	c 37	N79-10421* #	US-PATENT-CLASS-221-124	c 31	N79-21225* #
US-PATENT-CLASS-210-104	c 05	N72-27102* #	US-PATENT-CLASS-219-124 32	c 37	N79-10421* #	US-PATENT-CLASS-222-135	c 15	N72-21465* #
US-PATENT-CLASS-210-108	c 34	N79-24285* #	US-PATENT-CLASS-219-125 1	c 37	N79-10421* #	US-PATENT-CLASS-222-137	c 14	N71-27005* #
US-PATENT-CLASS-210-110	c 05	N72-27102* #	US-PATENT-CLASS-219-125	c 15	N71-23815* #	US-PATENT-CLASS-222-145	c 37	N76-19436* #
US-PATENT-CLASS-210-137	c 05	N72-27102* #	US-PATENT-CLASS-219-125	c 37	N75-27376* #	US-PATENT-CLASS-222-193	c 37	N74-13178* #
US-PATENT-CLASS-210-142	c 34	N79-24285* #	US-PATENT-CLASS-219-130	c 15	N71-23798* #	US-PATENT-CLASS-222-309	c 15	N72-21465* #
US-PATENT-CLASS-210-186	c 37	N80-10494* #	US-PATENT-CLASS-219-131	c 15	N71-15871* #	US-PATENT-CLASS-222-309	c 54	N74-12779* #
US-PATENT-CLASS-210-188	c 12	N72-25292* #	US-PATENT-CLASS-219-137	c 15	N70-34814* #	US-PATENT-CLASS-222-324	c 54	N74-17853* #
US-PATENT-CLASS-210-192	c 54	N78-14784* #	US-PATENT-CLASS-219-137	c 37	N75-19683* #	US-PATENT-CLASS-222-340	c 54	N74-12779* #
US-PATENT-CLASS-210-212	c 03	N72-20033* #	US-PATENT-CLASS-219-158	c 15	N72-22491* #	US-PATENT-CLASS-222-387	c 54	N74-12779* #
US-PATENT-CLASS-210-222	c 35	N78-12390* #	US-PATENT-CLASS-219-160	c 37	N80-23655* #	US-PATENT-CLASS-222-389	c 15	N70-38996* #
US-PATENT-CLASS-210-22	c 52	N80-14687* #	US-PATENT-CLASS-219-161	c 37	N80-23655* #	US-PATENT-CLASS-222-414	c 14	N73-27378* #
US-PATENT-CLASS-210-23F	c 51	N79-10693* #	US-PATENT-CLASS-219-19	c 33	N70-34812* #	US-PATENT-CLASS-222-45	c 14	N70-40233* #
US-PATENT-CLASS-210-234	c 27	N80-23452* #	US-PATENT-CLASS-219-201	c 52	N80-16725* #	US-PATENT-CLASS-222-49	c 14	N71-27005* #
US-PATENT-CLASS-210-234	c 34	N75-33342* #	US-PATENT-CLASS-219-203	c 11	N73-12675* #	US-PATENT-CLASS-222-514	c 54	N74-12779* #
US-PATENT-CLASS-210-24R	c 27	N81-14076* #	US-PATENT-CLASS-219-209	c 35	N81-26431* #	US-PATENT-CLASS-222-61	c 27	N71-29155* #
US-PATENT-CLASS-210-24	c 27	N77-30236* #	US-PATENT-CLASS-219-210	c 35	N81-26431* #	US-PATENT-CLASS-222-61	c 37	N77-28487* #
US-PATENT-CLASS-210-24	c 25	N81-19244* #	US-PATENT-CLASS-219-216	c 35	N74-15831* #	US-PATENT-CLASS-222-71	c 15	N72-21465* #
US-PATENT-CLASS-210-259	c 34	N75-33342* #	US-PATENT-CLASS-219-221	c 15	N72-11392* #	US-PATENT-CLASS-222-95	c 37	N77-28487* #
US-PATENT-CLASS-210-28	c 85	N79-17747* #	US-PATENT-CLASS-219-229	c 15	N71-27214* #	US-PATENT-CLASS-224-25A	c 05	N72-23085* #
US-PATENT-CLASS-210-304	c 34	N75-33342* #	US-PATENT-CLASS-219-234	c 15	N72-22491* #	US-PATENT-CLASS-224-25	c 05	N71-12351* #
US-PATENT-CLASS-210-314	c 28	N70-41447* #	US-PATENT-CLASS-219-234	c 15	N72-23497* #	US-PATENT-CLASS-224-44A	c 54	N74-17853* #
US-PATENT-CLASS-210-321 1	c 25	N82-21269* #	US-PATENT-CLASS-219-243	c 15	N72-11392* #	US-PATENT-CLASS-225-103	c 37	N82-32730* #
US-PATENT-CLASS-210-321B	c 52	N80-14687* #	US-PATENT-CLASS-219-273	c 15	N72-32487* #	US-PATENT-CLASS-225-1	c 15	N71-17628* #
US-PATENT-CLASS-210-333	c 34	N75-33342* #	US-PATENT-CLASS-219-275	c 15	N71-20395* #	US-PATENT-CLASS-225-2	c 26	N71-14354* #
US-PATENT-CLASS-210-340	c 34	N75-33342* #	US-PATENT-CLASS-219-299	c 51	N79-10694* #	US-PATENT-CLASS-226-190	c 08	N71-19420* #
US-PATENT-CLASS-210-340	c 37	N80-10494* #	US-PATENT-CLASS-219-300	c 37	N77-13418* #	US-PATENT-CLASS-226-58	c 14	N71-28935* #
US-PATENT-CLASS-210-40	c 27	N77-31308* #	US-PATENT-CLASS-219-302	c 51	N79-10694* #	US-PATENT-CLASS-228-103	c 35	N83-35338* #
US-PATENT-CLASS-210-40	c 85	N79-17747* #	US-PATENT-CLASS-219-304	c 37	N77-13418* #	US-PATENT-CLASS-228-107	c 37	N79-13364* #
US-PATENT-CLASS-210-40	c 45	N82-11634* #	US-PATENT-CLASS-219-343	c 27	N83-36220* #	US-PATENT-CLASS-228-116	c 37	N81-19455* #
US-PATENT-CLASS-210-411	c 34	N75-33342* #	US-PATENT-CLASS-219-347	c 15	N69-27871* #	US-PATENT-CLASS-228-118	c 24	N81-17170* #
US-PATENT-CLASS-210-425	c 34	N75-33342* #	US-PATENT-CLASS-219-347	c 33	N70-34545* #	US-PATENT-CLASS-228-118	c 24	N81-26179* #
US-PATENT-CLASS-210-429	c 37	N76-14463* #	US-PATENT-CLASS-219-348	c 15	N73-27405* #	US-PATENT-CLASS-228-124	c 26	N77-29260* #
US-PATENT-CLASS-210-433M	c 51	N79-10693* #	US-PATENT-CLASS-219-34	c 09	N70-33312* #	US-PATENT-CLASS-228-123	c 18	N79-11108* #
US-PATENT-CLASS-210-445	c 15	N72-11389* #	US-PATENT-CLASS-219-354	c 27	N83-36220* #	US-PATENT-CLASS-228-15	c 18	N79-11108* #
US-PATENT-CLASS-210-45	c 85	N79-17747* #	US-PATENT-CLASS-219-364	c 33	N71-16278* #	US-PATENT-CLASS-228-157	c 24	N82-24296* #
US-PATENT-CLASS-210-500M	c 27	N80-23452* #	US-PATENT-CLASS-219-378	c 33	N71-25353* #	US-PATENT-CLASS-228-170	c 24	N81-17170* #
US-PATENT-CLASS-210-500M	c 25	N81-17187* #	US-PATENT-CLASS-219-388	c 35	N74-15831* #	US-PATENT-CLASS-228-173	c 18	N79-11108* #
US-PATENT-CLASS-210-500	c 25	N75-12087* #	US-PATENT-CLASS-219-390	c 35	N83-36220* #	US-PATENT-CLASS-228-174	c 24	N81-17170* #
US-PATENT-CLASS-210-50	c 45	N79-12584* #	US-PATENT-CLASS-219-410	c 12	N79-26075* #	US-PATENT-CLASS-228-190	c 24	N75-28135* #
US-PATENT-CLASS-210-512	c 34	N75-33342* #	US-PATENT-CLASS-219-411	c 17	N69-25147* #	US-PATENT-CLASS-228-190	c 26	N77-28265* #
US-PATENT-CLASS-210-54	c 85	N79-17747* #	US-PATENT-CLASS-219-411	c 27	N83-36220* #	US-PATENT-CLASS-228-190	c 24	N81-17170* #
US-PATENT-CLASS-210-57	c 45	N80-14579* #	US-PATENT-CLASS-219-413	c 14	N71-28958* #	US-PATENT-CLASS-228-190	c 24	N81-26179* #
US-PATENT-CLASS-210-60	c 45	N79-12584* #	US-PATENT-CLASS-219-477	c 33	N74-14935* #	US-PATENT-CLASS-228-193	c 24	N75-28135* #
US-PATENT-CLASS-210-63R	c 25	N78-10225* #	US-PATENT-CLASS-219-497	c 77	N75-20140* #	US-PATENT-CLASS-228-193	c 37	N76-18455* #
US-PATENT-CLASS-210-63R	c 45	N79-12584* #	US-PATENT-CLASS-219-499	c 14	N73-26430* #	US-PATENT-CLASS-228-193	c 35	N83-35338* #
US-PATENT-CLASS-210-63Z	c 45	N80-14579* #	US-PATENT-CLASS-219-501	c 77	N75-20140* #	US-PATENT-CLASS-228-194	c 26	N77-28265* #
US-PATENT-CLASS-210-66	c 85	N79-17747* #	US-PATENT-CLASS-219-505	c 14	N71-27058* #	US-PATENT-CLASS-228-1	c 37	N75-25185* #
US-PATENT-CLASS-210-67	c 85	N79-17747* #	US-PATENT-CLASS-219-505	c 77	N75-20140* #	US-PATENT-CLASS-228-2 5	c 37	N79-13364* #
US-PATENT-CLASS-210-70	c 85	N79-17747* #	US-PATENT-CLASS-219-50	c 14	N73-26430* #	US-PATENT-CLASS-228-205	c 37	N81-19455* #
US-PATENT-CLASS-210-71	c 25	N78-10225* #	US-PATENT-CLASS-219-510	c 35	N81-26431* #	US-PATENT-CLASS-228-206	c 37	N76-18455* #
US-PATENT-CLASS-210-73R	c 85	N79-17747* #	US-PATENT-CLASS-219-522	c 11	N73-12265* #	US-PATENT-CLASS-228-212	c 37	N80-23655* #
US-PATENT-CLASS-210-748	c 71	N83-35781* #	US-PATENT-CLASS-219-522	c 52	N80-16725* #	US-PATENT-CLASS-228-214	c 37	N76-18455* #
US-PATENT-CLASS-210-82	c 34	N75-33342* #	US-PATENT-CLASS-219-530	c 33	N71-25353* #	US-PATENT-CLASS-228-222	c 37	N80-23655* #
US-PATENT-CLASS-210-96M	c 54	N78-14784* #	US-PATENT-CLASS-219-539	c 33	N74-14935* #	US-PATENT-CLASS-228-232	c 26	N77-28265* #
US-PATENT-CLASS-210-96M	c 51	N79-10693* #	US-PATENT-CLASS-219-545	c 33	N82-26571* #	US-PATENT-CLASS-228-238	c 37	N76-18455* #
US-PATENT-CLASS-212-11	c 32	N71-17609* #	US-PATENT-CLASS-219-62	c 15	N73-28515* #	US-PATENT-CLASS-228-263 18	c 35	N83-35338* #
US-PATENT-CLASS-212-134	c 15	N72-11388* #	US-PATENT-CLASS-219-72	c 15	N71-14932* #	US-PATENT-CLASS-228-263	c 26	N77-29260* #
US-PATENT-CLASS-212-267	c 31	N81-27324* #	US-PATENT-CLASS-219-78	c 37	N74-11300* #	US-PATENT-CLASS-228-44 1R	c 37	N80-23655* #
US-PATENT-CLASS-213-81	c 37	N77-23483* #	US-PATENT-CLASS-219-85CA	c 35	N80-20560* #	US-PATENT-CLASS-228-5 1	c 44	N79-24431* #
US-PATENT-CLASS-214-1CM	c 37	N76-15460* #	US-PATENT-CLASS-219-85CM	c 35	N80-20560* #	US-PATENT-CLASS-228-50	c 15	N70-39924* #
US-PATENT-CLASS-214-1BC	c 54	N77-32721* #	US-PATENT-CLASS-219-85R	c 35	N80-20560* #	US-PATENT-CLASS-228-50	c 15	N70-40204* #
US-PATENT-CLASS-214-1B	c 54	N75-27758* #	US-PATENT-CLASS-219-85	c 15	N72-22491* #	US-PATENT-CLASS-228-53	c 15	N71-27214* #
US-PATENT-CLASS-214-1CM	c 15	N72-28495* #	US-PATENT-CLASS-219-85	c 15	N72-23497* #	US-PATENT-CLASS-228-57	c 15	N72-22491* #
US-PATENT-CLASS-214-1CM	c 54	N75-12616* #	US-PATENT-CLASS-219-91	c 15	N71-18613* #	US-PATENT-CLASS-228-6	c 44	N79-24431* #
US-PATENT-CLASS-214-1CM	c 18	N75-27041* #	US-PATENT-CLASS-219-91	c 15	N73-32358* #	US-PATENT-CLASS-228-7	c 15	N71-15607* #
US-PATENT-CLASS-214-1CM	c 54	N75-27758* #	US-PATENT-CLASS-219-92	c 37	N76-27568* #	US-PATENT-CLASS-228-8	c 15	N71-23050* #
US-PATENT-CLASS-214-1CM	c 37	N77-23483* #	US-PATENT-CLASS-219-92	c 37	N77-11397* #	US-PATENT-CLASS-228-8	c 37	N79-10421* #
US-PATENT-CLASS-214-1CM	c 54	N77-32721* #	US-PATENT-CLASS-22-200	c 15	N71-15966* #	US-PATENT-CLASS-228-9	c 15	N71-20393* #
US-PATENT-CLASS-214-1CM	c 54	N78-17676* #	US-PATENT-CLASS-22-203	c 17	N80-38198* #	US-PATENT-CLASS-229-DIG 11	c 32	N73-13921* #
US-PATENT-CLASS-214-1R	c 37	N76-15457* #	US-PATENT-CLASS-220-14	c 15	N69-39935* #	US-PATENT-CLASS-23-109	c 04	N72-33072* #
US-PATENT-CLASS-214-16 1CB	c 37	N77-22480* #	US-PATENT-CLASS-220-15	c 31	N71-15664* #	US-PATENT-CLASS-23-201	c 06	N72-17095* #
US-PATENT-CLASS-214-1	c 32	N70-41367* #	US-PATENT-CLASS-220-15	c 34	N75-12222* #	US-PATENT-CLASS-23-208	c 15	N69-21922* #
US-PATENT-CLASS-214-90R	c 03	N72-25021* #	US-PATENT-CLASS-220-1	c 31	N71-17680* #	US-PATENT-CLASS-23-208	c 26	N70-36805* #
US-PATENT-CLASS-215-247	c 33	N76-19339* #	US-PATENT-CLASS-220-2 2	c 24	N79-25143* #	US-PATENT-CLASS-23-209 1	c 15	N72-20446* #
US-PATENT-CLASS-219-10 41	c 33	N82-26571* #	US-PATENT-CLASS-220-266	c 37	N79-22474* #	US-PATENT-CLASS-23-230B	c 25	N75-14844* #
US-PAT								

REPORT NUMBER INDEX

US-PATENT-CLASS-242-54

US-PATENT-CLASS-23-230B	c 25	N79-14169* #	US-PATENT-CLASS-235-150 25	c 35	N77-20399* #	US-PATENT-CLASS-235-92PC	c 35	N82-11431* #
US-PATENT-CLASS-23-230B	c 51	N80-27067* #	US-PATENT-CLASS-235-150 26	c 04	N74-13420* #	US-PATENT-CLASS-235-92PE	c 37	N74-21056* #
US-PATENT-CLASS-23-230L	c 35	N74-32879* #	US-PATENT-CLASS-235-150 27	c 08	N71-29033* #	US-PATENT-CLASS-235-92R	c 08	N72-20176* #
US-PATENT-CLASS-23-230M	c 25	N76-18245* #	US-PATENT-CLASS-235-150 2	c 08	N71-29033* #	US-PATENT-CLASS-235-92R	c 08	N73-20217* #
US-PATENT-CLASS-23-230M	c 23	N77-17161* #	US-PATENT-CLASS-235-150 2	c 35	N77-20399* #	US-PATENT-CLASS-235-92R	c 08	N73-25206* #
US-PATENT-CLASS-23-230PC	c 25	N78-15210* #	US-PATENT-CLASS-235-150 3	c 33	N74-10223* #	US-PATENT-CLASS-235-92R	c 33	N75-19519* #
US-PATENT-CLASS-23-230PC	c 25	N82-12166* #	US-PATENT-CLASS-235-150 52	c 08	N72-22165* #	US-PATENT-CLASS-235-92R	c 38	N77-17495* #
US-PATENT-CLASS-23-230R	c 06	N72-17094* #	US-PATENT-CLASS-235-150 53	c 08	N72-22165* #	US-PATENT-CLASS-235-92SH	c 37	N74-21056* #
US-PATENT-CLASS-23-230R	c 17	N73-12547* #	US-PATENT-CLASS-235-150 53	c 07	N73-13149* #	US-PATENT-CLASS-235-92SH	c 33	N76-14373* #
US-PATENT-CLASS-23-230R	c 17	N73-27446* #	US-PATENT-CLASS-235-151 13	c 33	N75-26243* #	US-PATENT-CLASS-235-92T	c 03	N72-25020* #
US-PATENT-CLASS-23-230R	c 25	N76-18245* #	US-PATENT-CLASS-235-151 1	c 25	N76-18245* #	US-PATENT-CLASS-235-92T	c 08	N73-20217* #
US-PATENT-CLASS-23-230R	c 45	N76-31714* #	US-PATENT-CLASS-235-151 1	c 08	N71-29033* #	US-PATENT-CLASS-235-92T	c 33	N75-19519* #
US-PATENT-CLASS-23-230R	c 23	N77-17161* #	US-PATENT-CLASS-235-151 1	c 08	N72-31226* #	US-PATENT-CLASS-235-92VA	c 33	N75-19519* #
US-PATENT-CLASS-23-230	c 06	N71-23527* #	US-PATENT-CLASS-235-151 27	c 08	N73-25206* #	US-PATENT-CLASS-235-92	c 08	N71-22897* #
US-PATENT-CLASS-23-230	c 06	N72-17095* #	US-PATENT-CLASS-235-151 31	c 10	N73-25240* #	US-PATENT-CLASS-235-92	c 08	N71-24891* #
US-PATENT-CLASS-23-231	c 23	N77-17161* #	US-PATENT-CLASS-235-151 34	c 35	N76-14431* #	US-PATENT-CLASS-235-92	c 10	N71-27137* #
US-PATENT-CLASS-23-232C	c 06	N72-17094* #	US-PATENT-CLASS-235-151 3	c 52	N74-22771* #	US-PATENT-CLASS-235-92	c 14	N71-27215* #
US-PATENT-CLASS-23-232C	c 25	N76-18245* #	US-PATENT-CLASS-235-151 3	c 38	N78-17395* #	US-PATENT-CLASS-236-1F	c 35	N81-26431* #
US-PATENT-CLASS-23-232C	c 23	N77-17161* #	US-PATENT-CLASS-235-151 3	c 38	N78-17396* #	US-PATENT-CLASS-236-13	c 31	N80-32583* #
US-PATENT-CLASS-23-232E	c 06	N73-16106* #	US-PATENT-CLASS-235-151	c 37	N74-21056* #	US-PATENT-CLASS-236-1	c 33	N71-16357* #
US-PATENT-CLASS-23-232E	c 45	N76-31714* #	US-PATENT-CLASS-235-152IE	c 08	N73-32081* #	US-PATENT-CLASS-236-44C	c 31	N80-32583* #
US-PATENT-CLASS-23-232E	c 25	N78-15210* #	US-PATENT-CLASS-235-152	c 07	N71-24741* #	US-PATENT-CLASS-236-49	c 31	N74-27902* #
US-PATENT-CLASS-23-232E	c 25	N82-12166* #	US-PATENT-CLASS-235-152	c 08	N72-20176* #	US-PATENT-CLASS-236-49	c 31	N80-32583* #
US-PATENT-CLASS-23-232R	c 06	N73-16106* #	US-PATENT-CLASS-235-152	c 08	N72-22167* #	US-PATENT-CLASS-236-68	c 15	N72-12409* #
US-PATENT-CLASS-23-232R	c 45	N76-31714* #	US-PATENT-CLASS-235-152	c 08	N72-25210* #	US-PATENT-CLASS-237-1A	c 44	N76-14602* #
US-PATENT-CLASS-23-232R	c 23	N77-17161* #	US-PATENT-CLASS-235-152	c 09	N73-12175* #	US-PATENT-CLASS-237-1A	c 44	N78-10554* #
US-PATENT-CLASS-23-232R	c 25	N78-15210* #	US-PATENT-CLASS-235-152	c 09	N73-13209* #	US-PATENT-CLASS-237-1A	c 44	N78-15560* #
US-PATENT-CLASS-23-252R	c 25	N74-12813* #	US-PATENT-CLASS-235-152	c 08	N73-26175* #	US-PATENT-CLASS-237-1A	c 44	N78-17480* #
US-PATENT-CLASS-23-252R	c 25	N79-10162* #	US-PATENT-CLASS-235-152	c 60	N77-14751* #	US-PATENT-CLASS-237-1A	c 44	N78-31525* #
US-PATENT-CLASS-23-252R	c 25	N79-28253* #	US-PATENT-CLASS-235-153AE	c 60	N76-21914* #	US-PATENT-CLASS-237-1A	c 44	N79-24433* #
US-PATENT-CLASS-23-253A	c 51	N77-27677* #	US-PATENT-CLASS-235-153AK	c 62	N74-14920* #	US-PATENT-CLASS-237-60	c 34	N76-17317* #
US-PATENT-CLASS-23-253A	c 54	N78-14784* #	US-PATENT-CLASS-235-153	c 08	N71-24633* #	US-PATENT-CLASS-238-134	c 85	N74-34672* #
US-PATENT-CLASS-23-253PC	c 06	N72-17094* #	US-PATENT-CLASS-235-153	c 08	N72-22166* #	US-PATENT-CLASS-238-1	c 05	N71-28819* #
US-PATENT-CLASS-23-253PC	c 37	N74-18123* #	US-PATENT-CLASS-235-154	c 08	N70-34778* #	US-PATENT-CLASS-239-102	c 37	N80-10494* #
US-PATENT-CLASS-23-253R	c 15	N72-14655* #	US-PATENT-CLASS-235-154	c 10	N71-23862* #	US-PATENT-CLASS-239-127 1	c 28	N71-23968* #
US-PATENT-CLASS-23-253R	c 25	N75-14844* #	US-PATENT-CLASS-235-154	c 08	N72-18184* #	US-PATENT-CLASS-239-127 1	c 28	N73-32606* #
US-PATENT-CLASS-23-253R	c 25	N76-18245* #	US-PATENT-CLASS-235-154	c 08	N72-25206* #	US-PATENT-CLASS-239-127 1	c 34	N79-13288* #
US-PATENT-CLASS-23-253	c 23	N71-16355* #	US-PATENT-CLASS-235-155	c 08	N71-24890* #	US-PATENT-CLASS-239-127 1	c 34	N79-13289* #
US-PATENT-CLASS-23-253	c 06	N71-26754* #	US-PATENT-CLASS-235-155	c 08	N72-21197* #	US-PATENT-CLASS-239-127 1	c 34	N80-24573* #
US-PATENT-CLASS-23-253	c 06	N72-17095* #	US-PATENT-CLASS-235-155	c 08	N73-12176* #	US-PATENT-CLASS-239-127 1	c 44	N81-24519* #
US-PATENT-CLASS-23-254EF	c 35	N76-18403* #	US-PATENT-CLASS-235-156	c 08	N71-18693* #	US-PATENT-CLASS-239-127 3	c 20	N76-14191* #
US-PATENT-CLASS-23-254E	c 06	N73-16106* #	US-PATENT-CLASS-235-156	c 60	N75-13539* #	US-PATENT-CLASS-239-127 3	c 07	N80-32992* #
US-PATENT-CLASS-23-254E	c 33	N75-26245* #	US-PATENT-CLASS-235-156	c 32	N76-21366* #	US-PATENT-CLASS-239-171	c 37	N77-13418* #
US-PATENT-CLASS-23-254E	c 35	N75-29380* #	US-PATENT-CLASS-235-156	c 32	N77-10392* #	US-PATENT-CLASS-239-265 11	c 18	N71-21068* #
US-PATENT-CLASS-23-254E	c 45	N76-21742* #	US-PATENT-CLASS-235-156	c 38	N78-17395* #	US-PATENT-CLASS-239-265 11	c 07	N74-33218* #
US-PATENT-CLASS-23-254R	c 06	N73-16106* #	US-PATENT-CLASS-235-156	c 38	N78-17396* #	US-PATENT-CLASS-239-265 11	c 07	N76-18117* #
US-PATENT-CLASS-23-254R	c 25	N76-18245* #	US-PATENT-CLASS-235-158	c 08	N71-19437* #	US-PATENT-CLASS-239-265 15	c 37	N79-22474* #
US-PATENT-CLASS-23-254R	c 23	N77-17161* #	US-PATENT-CLASS-235-164	c 08	N71-33110* #	US-PATENT-CLASS-239-265 17	c 07	N74-27490* #
US-PATENT-CLASS-23-254	c 14	N71-20442* #	US-PATENT-CLASS-235-164	c 08	N73-26175* #	US-PATENT-CLASS-239-265 17	c 07	N83-33884* #
US-PATENT-CLASS-23-255E	c 35	N75-29380* #	US-PATENT-CLASS-235-164	c 60	N74-20836* #	US-PATENT-CLASS-239-265 19	c 28	N71-21493* #
US-PATENT-CLASS-23-255R	c 25	N76-18245* #	US-PATENT-CLASS-235-175	c 08	N71-18602* #	US-PATENT-CLASS-239-265 19	c 28	N72-11708* #
US-PATENT-CLASS-23-259	c 15	N71-27372* #	US-PATENT-CLASS-235-176	c 08	N71-33110* #	US-PATENT-CLASS-239-265 25	c 07	N78-27121* #
US-PATENT-CLASS-23-259	c 15	N72-14655* #	US-PATENT-CLASS-235-176	c 08	N70-34787* #	US-PATENT-CLASS-239-265 25	c 09	N78-31129* #
US-PATENT-CLASS-23-259	c 37	N74-18123* #	US-PATENT-CLASS-235-181	c 07	N71-21476* #	US-PATENT-CLASS-239-265 33	c 07	N78-27121* #
US-PATENT-CLASS-23-259	c 51	N77-27677* #	US-PATENT-CLASS-235-181	c 07	N73-13149* #	US-PATENT-CLASS-239-265 33	c 07	N80-32992* #
US-PATENT-CLASS-23-277C	c 25	N74-33378* #	US-PATENT-CLASS-235-181	c 35	N75-21582* #	US-PATENT-CLASS-239-265 39	c 07	N79-14097* #
US-PATENT-CLASS-23-277R	c 44	N77-22607* #	US-PATENT-CLASS-235-181	c 33	N75-26243* #	US-PATENT-CLASS-239-265 43	c 28	N71-16224* #
US-PATENT-CLASS-23-277	c 26	N70-40015* #	US-PATENT-CLASS-235-181	c 43	N77-10584* #	US-PATENT-CLASS-239-265 43	c 28	N72-11708* #
US-PATENT-CLASS-23-281	c 28	N72-18766* #	US-PATENT-CLASS-235-183	c 38	N78-17395* #	US-PATENT-CLASS-239-288	c 37	N79-22474* #
US-PATENT-CLASS-23-281	c 25	N74-12813* #	US-PATENT-CLASS-235-183	c 08	N72-22165* #	US-PATENT-CLASS-239-302	c 37	N80-10494* #
US-PATENT-CLASS-23-281	c 44	N76-18642* #	US-PATENT-CLASS-235-186	c 74	N76-18913* #	US-PATENT-CLASS-239-416	c 15	N69-23185* #
US-PATENT-CLASS-23-281	c 44	N76-29700* #	US-PATENT-CLASS-235-186	c 10	N73-26230* #	US-PATENT-CLASS-239-416	c 15	N71-17654* #
US-PATENT-CLASS-23-281	c 44	N77-10636* #	US-PATENT-CLASS-235-194	c 09	N71-19480* #	US-PATENT-CLASS-239-418	c 28	N72-23809* #
US-PATENT-CLASS-23-281	c 44	N77-22607* #	US-PATENT-CLASS-235-194	c 08	N72-22165* #	US-PATENT-CLASS-239-424	c 15	N72-25455* #
US-PATENT-CLASS-23-284	c 35	N74-15127* #	US-PATENT-CLASS-235-194	c 10	N73-26230* #	US-PATENT-CLASS-239-433	c 28	N72-23809* #
US-PATENT-CLASS-23-288F	c 25	N74-12813* #	US-PATENT-CLASS-235-197	c 08	N72-22165* #	US-PATENT-CLASS-239-499	c 34	N82-13376* #
US-PATENT-CLASS-23-288F	c 25	N74-12813* #	US-PATENT-CLASS-235-197	c 09	N72-23173* #	US-PATENT-CLASS-239-543	c 28	N72-23809* #
US-PATENT-CLASS-23-288R	c 28	N80-10374* #	US-PATENT-CLASS-235-197	c 10	N73-20253* #	US-PATENT-CLASS-239-562	c 43	N81-26509* #
US-PATENT-CLASS-23-288	c 28	N72-18766* #	US-PATENT-CLASS-235-197	c 10	N73-26230* #	US-PATENT-CLASS-239-589	c 34	N82-13376* #
US-PATENT-CLASS-23-292	c 51	N77-27677* #	US-PATENT-CLASS-235-201	c 60	N75-13539* #	US-PATENT-CLASS-239-591	c 43	N81-26509* #
US-PATENT-CLASS-23-293R	c 28	N81-15119* #	US-PATENT-CLASS-235-61 6	c 10	N71-25899* #	US-PATENT-CLASS-239-601	c 34	N82-13376* #
US-PATENT-CLASS-23-300	c 28	N80-23471* #	US-PATENT-CLASS-235-61 6	c 01	N71-13411* #	US-PATENT-CLASS-239-690	c 28	N82-18401* #
US-PATENT-CLASS-23-302A	c 28	N80-23471* #	US-PATENT-CLASS-235-61 6	c 15	N71-21179* #	US-PATENT-CLASS-24-126	c 15	N71-22994* #
US-PATENT-CLASS-23-302R	c 28	N80-23471* #	US-PATENT-CLASS-235-61NV	c 08	N72-11172* #	US-PATENT-CLASS-24-134R	c 15	N73-25512* #
US-PATENT-CLASS-23-302T	c 28	N80-23471* #	US-PATENT-CLASS-235-61NV	c 35	N76-29552* #	US-PATENT-CLASS-24-205 17	c 15	N71-25975* #
US-PATENT-CLASS-23-55	c 06	N72-17093* #	US-PATENT-CLASS-235-70	c 04	N78-17031* #	US-PATENT-CLASS-24-211N	c 15	N72-11385* #
US-PATENT-CLASS-23-88	c 06	N72-17093* #	US-PATENT-CLASS-235-78M	c 35	N76-29552* #	US-PATENT-CLASS-24-211	c 15	N71-17653* #
US-PATENT-CLASS-23-927	c 51	N80-16714* #	US-PATENT-CLASS-235-88M	c 35	N76-29552* #	US-PATENT-CLASS-24-214	c 31	N83-31895* #
US-PATENT-CLASS-23-97	c 06	N72-17093* #	US-PATENT-CLASS-235-92CA	c 33	N74-10223* #	US-PATENT-CLASS-24-263	c 15	N71-21076* #
US-PATENT-CLASS-230-162	c 33	N71-17610* #	US-PATENT-CLASS-235-92CA	c 38	N77-17495* #	US-PATENT-CLASS-24-263	c 15	N71-26162* #
US-PATENT-CLASS-230-121	c 11	N72-22245* #	US-PATENT-CLASS-235-92CC	c 08	N72-20176* #	US-PATENT-CLASS-240-1 2	c 11	N70-33329* #
US-PATENT-CLASS-230-54	c 11	N72-22245* #	US-PATENT-CLASS-235-92CT	c 38	N77-17495* #	US-PATENT-CLASS-240-11 2	c 09	N71-26787* #
US-PATENT-CLASS-239-DIG 1	c 34	N75-26282* #	US-PATENT-CLASS-235-92CV	c 08	N73-25206* #	US-PATENT-CLASS-240-11 4	c 09	N71-26787* #
US-PATENT-CLASS-239-11	c 15	N71-16079* #	US-PATENT-CLASS-235-92DE	c 08	N72-20176* #	US-PATENT-CLASS-240-41 35R	c 74	N77-21941* #
US-PATENT-CLASS-239-20RP	c 34	N75-26282* #	US-PATENT-CLASS-235-92DM	c 08	N72-20176* #	US-PATENT-CLASS-240-41B	c 36	N77-27364* #
US-PATENT-CLASS-239-25	c 34	N75-26282* #	US-PATENT-CLASS-235-92DM	c 33	N74-10223* #	US-PATENT-CLASS-240-41R	c 74	N77-21941* #
US-PATENT-CLASS-239-46	c 34	N75-26282* #	US-PATENT-CLASS-235-92DN	c 33	N75-19519* #	US-PATENT-CLASS-240-46 13	c 74	N77-21941* #
US-PATENT-CLASS-239-6	c 34	N75-26282* #	US-PATENT-CLASS-235-92DN	c 08	N73-25206* #	US-PATENT-CLASS-240-47	c 34	N74-23066* #
US-PATENT-CLASS-235 150 27	c 04	N74-13420* #	US-PATENT-CLASS-235-92DN	c 38	N77-17495* #	US-PATENT-CLASS-240-51 11	c 09	N71-26787* #
US-PATENT-CLASS-235-10 2	c 08	N73-25206* #	US-PATENT-CLASS-235-92EA	c 08	N73-25206* #	US-PATENT-CLASS-242-128	c 15	N82-24272* #
US-PATENT-CLASS-235-150 1	c 08	N71-29033* #	US-PATENT-CLASS-235-92EV	c 08	N73-25206* #	US-PATENT-CLASS-242-187	c 37	N77-14479* #
US-PATENT-CLASS-235-150 1	c 08	N72-31226* #	US-PATENT-CLASS-235-92FQ	c 08	N73-20217* #	US-PATENT-CLASS-242-192	c 14	N71-23698* #
US-PATENT-CLASS-235-150 1	c 32	N77-10392* #	US-PATENT-CLASS-235-92LG</					

US-PATENT-CLASS-242-55.19	c 14	N70-41647* #	US-PATENT-CLASS-244-150	c 15	N71-24600*	US-PATENT-CLASS-244-1	c 31	N71-16345*
US-PATENT-CLASS-242-55.19	c 07	N71-10609* #	US-PATENT-CLASS-244-151R	c 33	N74-22865* #	US-PATENT-CLASS-244-1	c 31	N71-16346*
US-PATENT-CLASS-242-57	c 37	N77-14479* #	US-PATENT-CLASS-244-152	c 02	N70-36804* #	US-PATENT-CLASS-244-1	c 31	N71-17679*
US-PATENT-CLASS-244.12.2	c 05	N82-26277* #	US-PATENT-CLASS-244-155	c 30	N73-12884* #	US-PATENT-CLASS-244-1	c 15	N71-17693*
US-PATENT-CLASS-244-ISS	c 03	N72-20031* #	US-PATENT-CLASS-244-155	c 31	N73-14854* #	US-PATENT-CLASS-244-1	c 31	N71-17729*
US-PATENT-CLASS-244-1.55	c 03	N73-20040* #	US-PATENT-CLASS-244-158A	c 27	N82-24339* #	US-PATENT-CLASS-244-1	c 15	N71-19214*
US-PATENT-CLASS-244-1A	c 33	N77-10429* #	US-PATENT-CLASS-244-158A	c 27	N82-29456* #	US-PATENT-CLASS-244-1	c 03	N71-20273*
US-PATENT-CLASS-244-1R	c 34	N73-15123* #	US-PATENT-CLASS-244-158A	c 24	N82-32417* #	US-PATENT-CLASS-244-1	c 31	N71-20396*
US-PATENT-CLASS-244-1SA	c 21	N72-21624* #	US-PATENT-CLASS-244-158A	c 24	N83-13172* #	US-PATENT-CLASS-244-1	c 31	N71-21064*
US-PATENT-CLASS-244-1SA	c 21	N72-25595* #	US-PATENT-CLASS-244-158R	c 31	N81-25258* #	US-PATENT-CLASS-244-1	c 14	N71-21082*
US-PATENT-CLASS-244-1SA	c 03	N73-20039* #	US-PATENT-CLASS-244-158	c 37	N76-22540* #	US-PATENT-CLASS-244-1	c 21	N71-21708*
US-PATENT-CLASS-244-1SA	c 15	N73-25513* #	US-PATENT-CLASS-244-158	c 27	N79-12221* #	US-PATENT-CLASS-244-1	c 31	N71-21881*
US-PATENT-CLASS-244-1SA	c 21	N73-30640* #	US-PATENT-CLASS-244-159	c 18	N79-11108* #	US-PATENT-CLASS-244-1	c 33	N71-22792*
US-PATENT-CLASS-244-1SA	c 19	N74-15089* #	US-PATENT-CLASS-244-159	c 07	N83-20944* #	US-PATENT-CLASS-244-1	c 31	N71-22968*
US-PATENT-CLASS-244-1SA	c 35	N74-28097* #	US-PATENT-CLASS-244-159	c 31	N83-31895* #	US-PATENT-CLASS-244-1	c 31	N71-22969*
US-PATENT-CLASS-244-1SB	c 15	N73-12486* #	US-PATENT-CLASS-244-15	c 05	N75-25914* #	US-PATENT-CLASS-244-1	c 31	N71-23009*
US-PATENT-CLASS-244-1SC	c 31	N73-32750* #	US-PATENT-CLASS-244-160	c 27	N79-12221* #	US-PATENT-CLASS-244-1	c 14	N71-23040*
US-PATENT-CLASS-244-1SD	c 34	N75-12222* #	US-PATENT-CLASS-244-160	c 43	N81-17499* #	US-PATENT-CLASS-244-1	c 31	N71-23912*
US-PATENT-CLASS-244-1SD	c 31	N73-26876* #	US-PATENT-CLASS-244-160	c 14	N81-26161* #	US-PATENT-CLASS-244-1	c 31	N71-24315*
US-PATENT-CLASS-244-1SD	c 37	N74-27903* #	US-PATENT-CLASS-244-160	c 27	N82-24339* #	US-PATENT-CLASS-244-1	c 15	N71-24600*
US-PATENT-CLASS-244-1SD	c 15	N77-10112* #	US-PATENT-CLASS-244-160	c 27	N82-29456* #	US-PATENT-CLASS-244-1	c 05	N71-24728*
US-PATENT-CLASS-244-1SS	c 11	N73-13257* #	US-PATENT-CLASS-244-161	c 18	N76-14186* #	US-PATENT-CLASS-244-1	c 33	N71-25353*
US-PATENT-CLASS-244-1SS	c 03	N73-20039* #	US-PATENT-CLASS-244-161	c 37	N76-22540* #	US-PATENT-CLASS-244-1	c 31	N71-25434*
US-PATENT-CLASS-244-1SS	c 14	N73-27378* #	US-PATENT-CLASS-244-161	c 37	N77-23483* #	US-PATENT-CLASS-244-1	c 31	N71-26537*
US-PATENT-CLASS-244-1SS	c 31	N73-30829* #	US-PATENT-CLASS-244-161	c 15	N78-25119* #	US-PATENT-CLASS-244-1	c 15	N71-26611*
US-PATENT-CLASS-244-1SS	c 31	N73-32750* #	US-PATENT-CLASS-244-161	c 37	N80-14398* #	US-PATENT-CLASS-244-1	c 28	N71-27095*
US-PATENT-CLASS-244-1SS	c 33	N73-32818* #	US-PATENT-CLASS-244-161	c 37	N81-14320* #	US-PATENT-CLASS-244-1	c 21	N71-27324*
US-PATENT-CLASS-244-1SS	c 18	N74-22136* #	US-PATENT-CLASS-244-161	c 37	N81-27519* #	US-PATENT-CLASS-244-1	c 33	N71-28903*
US-PATENT-CLASS-244-1SS	c 18	N74-27397* #	US-PATENT-CLASS-244-161	c 18	N83-29303* #	US-PATENT-CLASS-244-1	c 15	N71-28936*
US-PATENT-CLASS-244-1SS	c 73	N75-30878* #	US-PATENT-CLASS-244-162	c 18	N75-19329* #	US-PATENT-CLASS-244-1	c 31	N71-29050*
US-PATENT-CLASS-244-100	c 15	N70-34850* #	US-PATENT-CLASS-244-162	c 18	N76-17185* #	US-PATENT-CLASS-244-1	c 31	N71-33160*
US-PATENT-CLASS-244-100	c 31	N70-36654* #	US-PATENT-CLASS-244-163	c 37	N76-19437* #	US-PATENT-CLASS-244-213	c 08	N82-24205* #
US-PATENT-CLASS-244-100	c 31	N70-36845* #	US-PATENT-CLASS-244-163	c 24	N79-25142* #	US-PATENT-CLASS-244-217	c 37	N82-16408* #
US-PATENT-CLASS-244-100	c 02	N70-41589* #	US-PATENT-CLASS-244-163	c 34	N79-31523* #	US-PATENT-CLASS-244-218	c 05	N78-32086* #
US-PATENT-CLASS-244-103R	c 37	N81-24443* #	US-PATENT-CLASS-244-163	c 05	N81-26114* #	US-PATENT-CLASS-244-218	c 08	N79-14108* #
US-PATENT-CLASS-244-103	c 02	N70-36825* #	US-PATENT-CLASS-244-163	c 37	N82-16408* #	US-PATENT-CLASS-244-226	c 08	N82-24205* #
US-PATENT-CLASS-244-110B	c 07	N82-26293* #	US-PATENT-CLASS-244-163	c 27	N82-29456* #	US-PATENT-CLASS-244-23A	c 21	N72-25595* #
US-PATENT-CLASS-244-110C	c 37	N82-18601* #	US-PATENT-CLASS-244-165	c 15	N76-14158* #	US-PATENT-CLASS-244-23C	c 05	N82-26277* #
US-PATENT-CLASS-244-113	c 02	N70-37939* #	US-PATENT-CLASS-244-165	c 35	N77-20399* #	US-PATENT-CLASS-244-23D	c 34	N76-18364* #
US-PATENT-CLASS-244-113	c 31	N71-25434* #	US-PATENT-CLASS-244-165	c 35	N80-21719* #	US-PATENT-CLASS-244-23	c 02	N71-11039* #
US-PATENT-CLASS-244-113	c 02	N77-10001* #	US-PATENT-CLASS-244-167	c 15	N78-25119* #	US-PATENT-CLASS-244-2	c 14	N81-26161* #
US-PATENT-CLASS-244-113	c 37	N82-16408* #	US-PATENT-CLASS-244-168	c 04	N82-23231* #	US-PATENT-CLASS-244-3.14	c 31	N71-17691* #
US-PATENT-CLASS-244-114R	c 04	N82-16059* #	US-PATENT-CLASS-244-169	c 15	N77-10113* #	US-PATENT-CLASS-244-3.16	c 19	N74-15089* #
US-PATENT-CLASS-244-114	c 21	N72-22619* #	US-PATENT-CLASS-244-169	c 18	N83-28064* #	US-PATENT-CLASS-244-3.21	c 30	N72-17873* #
US-PATENT-CLASS-244-115	c 18	N83-29303* #	US-PATENT-CLASS-244-16	c 02	N70-41863* #	US-PATENT-CLASS-244-3.21	c 15	N76-14158* #
US-PATENT-CLASS-244-117A	c 33	N73-25952* #	US-PATENT-CLASS-244-17.13	c 02	N73-19004* #	US-PATENT-CLASS-244-3.21	c 15	N77-10113* #
US-PATENT-CLASS-244-117A	c 34	N76-17317* #	US-PATENT-CLASS-244-17.13	c 08	N79-23097* #	US-PATENT-CLASS-244-3.21	c 35	N77-20399* #
US-PATENT-CLASS-244-117A	c 37	N76-19437* #	US-PATENT-CLASS-244-17.25	c 05	N81-19087* #	US-PATENT-CLASS-244-3.22	c 31	N71-17629* #
US-PATENT-CLASS-244-117A	c 34	N77-18382* #	US-PATENT-CLASS-244-170	c 35	N80-21719* #	US-PATENT-CLASS-244-3.22	c 28	N72-22769* #
US-PATENT-CLASS-244-117A	c 05	N81-26114* #	US-PATENT-CLASS-244-170	c 18	N83-28064* #	US-PATENT-CLASS-244-3.22	c 20	N76-21275* #
US-PATENT-CLASS-244-117	c 31	N70-33242* #	US-PATENT-CLASS-244-171	c 15	N77-10113* #	US-PATENT-CLASS-244-31	c 02	N71-11037* #
US-PATENT-CLASS-244-117	c 33	N72-17947* #	US-PATENT-CLASS-244-171	c 35	N77-20399* #	US-PATENT-CLASS-244-31	c 31	N71-16081* #
US-PATENT-CLASS-244-118.1	c 08	N82-32373* #	US-PATENT-CLASS-244-172	c 18	N76-17185* #	US-PATENT-CLASS-244-31	c 34	N74-23039* #
US-PATENT-CLASS-244-119	c 02	N81-14968* #	US-PATENT-CLASS-244-173	c 44	N75-32581* #	US-PATENT-CLASS-244-327	c 08	N74-30421* #
US-PATENT-CLASS-244-119	c 24	N82-24296* #	US-PATENT-CLASS-244-173	c 37	N81-15364* #	US-PATENT-CLASS-244-32	c 02	N73-13008* #
US-PATENT-CLASS-244-119	c 24	N82-26384* #	US-PATENT-CLASS-244-173	c 07	N83-20944* #	US-PATENT-CLASS-244-34A	c 05	N82-26277* #
US-PATENT-CLASS-244-12.5	c 08	N81-19130* #	US-PATENT-CLASS-244-175	c 04	N82-23231* #	US-PATENT-CLASS-244-35R	c 02	N76-22154* #
US-PATENT-CLASS-244-121	c 27	N79-12221* #	US-PATENT-CLASS-244-181	c 08	N81-24106* #	US-PATENT-CLASS-244-35	c 01	N71-13410* #
US-PATENT-CLASS-244-121	c 24	N79-25142* #	US-PATENT-CLASS-244-181	c 08	N81-26152* #	US-PATENT-CLASS-244-40R	c 02	N76-22154* #
US-PATENT-CLASS-244-121	c 15	N79-26100* #	US-PATENT-CLASS-244-182	c 08	N81-26152* #	US-PATENT-CLASS-244-42CG	c 33	N77-10429* #
US-PATENT-CLASS-244-121	c 27	N82-24339* #	US-PATENT-CLASS-244-190	c 04	N82-23231* #	US-PATENT-CLASS-244-42DA	c 05	N75-25914* #
US-PATENT-CLASS-244-121	c 27	N82-29456* #	US-PATENT-CLASS-244-194	c 60	N82-29013* #	US-PATENT-CLASS-244-42	c 02	N70-42016* #
US-PATENT-CLASS-244-122	c 05	N71-20718* #	US-PATENT-CLASS-244-195	c 08	N79-23097* #	US-PATENT-CLASS-244-42	c 02	N71-26110* #
US-PATENT-CLASS-244-123	c 24	N77-28225* #	US-PATENT-CLASS-244-195	c 08	N81-24106* #	US-PATENT-CLASS-244-43	c 02	N70-33255* #
US-PATENT-CLASS-244-123	c 24	N82-24296* #	US-PATENT-CLASS-244-1	c 31	N69-27499* #	US-PATENT-CLASS-244-43	c 02	N71-11043* #
US-PATENT-CLASS-244-123	c 24	N82-26384* #	US-PATENT-CLASS-244-1	c 03	N70-33343* #	US-PATENT-CLASS-244-44	c 02	N71-11038* #
US-PATENT-CLASS-244-127	c 34	N74-23039* #	US-PATENT-CLASS-244-1	c 33	N70-33344* #	US-PATENT-CLASS-244-45A	c 05	N78-32086* #
US-PATENT-CLASS-244-12	c 02	N70-33332* #	US-PATENT-CLASS-244-1	c 03	N70-34157* #	US-PATENT-CLASS-244-45	c 02	N71-12243* #
US-PATENT-CLASS-244-130	c 02	N77-10001* #	US-PATENT-CLASS-244-1	c 31	N70-34176* #	US-PATENT-CLASS-244-46	c 02	N70-33266* #
US-PATENT-CLASS-244-130	c 02	N81-14968* #	US-PATENT-CLASS-244-1	c 21	N70-34295* #	US-PATENT-CLASS-244-46	c 02	N70-33286* #
US-PATENT-CLASS-244-130	c 37	N81-24443* #	US-PATENT-CLASS-244-1	c 31	N70-34296* #	US-PATENT-CLASS-244-46	c 02	N70-34178* #
US-PATENT-CLASS-244-132	c 24	N82-26384* #	US-PATENT-CLASS-244-1	c 21	N70-35395* #	US-PATENT-CLASS-244-46	c 02	N70-34858* #
US-PATENT-CLASS-244-132	c 24	N82-32417* #	US-PATENT-CLASS-244-1	c 31	N70-36410* #	US-PATENT-CLASS-244-46	c 31	N70-38010* #
US-PATENT-CLASS-244-135R	c 34	N76-17317* #	US-PATENT-CLASS-244-1	c 33	N70-36617* #	US-PATENT-CLASS-244-46	c 02	N70-38011* #
US-PATENT-CLASS-244-135R	c 20	N80-10278* #	US-PATENT-CLASS-244-1	c 21	N70-36943* #	US-PATENT-CLASS-244-46	c 02	N71-11041* #
US-PATENT-CLASS-244-135	c 31	N70-42015* #	US-PATENT-CLASS-244-1	c 31	N70-37924* #	US-PATENT-CLASS-244-46	c 02	N73-26005* #
US-PATENT-CLASS-244-135	c 15	N73-12486* #	US-PATENT-CLASS-244-1	c 31	N70-37938* #	US-PATENT-CLASS-244-46	c 05	N76-29217* #
US-PATENT-CLASS-244-135	c 14	N73-27378* #	US-PATENT-CLASS-244-1	c 31	N70-37986* #	US-PATENT-CLASS-244-46	c 05	N78-32086* #
US-PATENT-CLASS-244-137P	c 31	N73-26876* #	US-PATENT-CLASS-244-1	c 31	N70-38676* #	US-PATENT-CLASS-244-46	c 08	N79-14108* #
US-PATENT-CLASS-244-137P	c 37	N76-22540* #	US-PATENT-CLASS-244-1	c 30	N70-40016* #	US-PATENT-CLASS-244-48	c 05	N79-12061* #
US-PATENT-CLASS-244-137P	c 01	N83-35992* #	US-PATENT-CLASS-244-1	c 31	N70-41373* #	US-PATENT-CLASS-244-48	c 05	N82-28279* #
US-PATENT-CLASS-244-137R	c 08	N82-32373* #	US-PATENT-CLASS-244-1	c 31	N70-41588* #	US-PATENT-CLASS-244-49	c 43	N81-17499* #
US-PATENT-CLASS-244-138	c 01	N69-39981* #	US-PATENT-CLASS-244-1	c 31	N70-41631* #	US-PATENT-CLASS-244-4	c 05	N69-21380* #
US-PATENT-CLASS-244-138	c 02	N70-41630* #	US-PATENT-CLASS-244-1	c 31	N70-41855* #	US-PATENT-CLASS-244-4	c 05	N71-12336* #
US-PATENT-CLASS-244-138	c 31	N71-16085* #	US-PATENT-CLASS-244-1	c 21	N70-41856* #	US-PATENT-CLASS-244-4	c 28	N71-27585* #
US-PATENT-CLASS-244-138	c 31	N71-25434* #	US-PATENT-CLASS-244-1	c 31	N70-42075* #	US-PATENT-CLASS-244-50	c 02	N70-34160* #
US-PATENT-CLASS-244-138	c 31	N71-28851* #	US-PATENT-CLASS-244-1	c 03	N71-11058* #	US-PATENT-CLASS-244-51	c 02	N70-34856* #
US-PATENT-CLASS-244-139	c 31	N73-13898* #	US-PATENT-CLASS-244-1	c 33	N71-14035* #	US-PATENT-CLASS-244-52	c 08	N81-19130* #
US-PATENT-CLASS-244-139	c 02	N76-16014* #	US-PATENT-CLASS-244-1	c 21	N71-14132* #	US-PATENT-CLASS-244-53A	c 07	N78-18066* #
US-PATENT-CLASS-244-13	c 01	N71-23497* #	US-PATENT-CLASS-244-1	c 21	N71-14159* #	US-PATENT-CLASS-244-53B	c 02	N74-20646* #
US-PATENT-CLASS-244-13	c 02	N73-26005* #	US-PATENT-CLASS-244-1	c 21	N71-15583* #	US-PATENT-CLASS-244-53B	c 07	N75-24736* #
US-PATENT-CLASS-244-13	c 05	N75-25914* #	US-PATENT-CLASS-244-1	c 31	N71-15663* #	US-PATENT-CLASS-244-53B	c 07	N77-18154* #
US-PATENT-CLASS-244-140	c 02	N70-38009* #	US-PATENT-CLASS-244-1	c 31	N71-15674* #	US-PATENT-CLASS-244-53B	c 05	N79-24976* #
US-PATENT-CLASS-244-145	c 02	N74-10034* #	US-PATENT-CLASS-244-1	c 31	N71-15676* #	US-PATENT-CLASS-244-53B	c 85	N82-33288* #
US-PATENT-CLASS-244-14	c 14	N70-33322* #	US-PATENT-CLASS-244-1	c 02	N71-16087* #			

REPORT NUMBER INDEX

US-PATENT-CLASS-250-359

US-PATENT-CLASS-244-54	c 07	N79-14096* #	US-PATENT-CLASS-250-203R	c 14	N72-27409* #	US-PATENT-CLASS-250-232	c 23	N71-21821* #
US-PATENT-CLASS-244-55	c 02	N73-26005* #	US-PATENT-CLASS-250-203R	c 14	N73-25462* #	US-PATENT-CLASS-250-233	c 23	N71-16100* #
US-PATENT-CLASS-244-55	c 05	N75-25914* #	US-PATENT-CLASS-250-203R	c 14	N73-28490* #	US-PATENT-CLASS-250-234	c 03	N73-20040* #
US-PATENT-CLASS-244-57	c 15	N71-26611* #	US-PATENT-CLASS-250-203R	c 21	N73-30640* #	US-PATENT-CLASS-250-235	c 14	N72-11364* #
US-PATENT-CLASS-244-63	c 09	N77-19076* #	US-PATENT-CLASS-250-203R	c 19	N74-15089* #	US-PATENT-CLASS-250-235	c 43	N82-13465* #
US-PATENT-CLASS-244-63	c 14	N81-26161* #	US-PATENT-CLASS-250-203R	c 89	N74-30886* #	US-PATENT-CLASS-250-235	c 74	N82-24072* #
US-PATENT-CLASS-244-75A	c 02	N73-26004* #	US-PATENT-CLASS-250-203R	c 35	N77-20401* #	US-PATENT-CLASS-250-236	c 21	N73-30640* #
US-PATENT-CLASS-244-75R	c 05	N75-12930* #	US-PATENT-CLASS-250-203R	c 74	N77-22951* #	US-PATENT-CLASS-250-237	c 43	N82-13465* #
US-PATENT-CLASS-244-76C	c 02	N73-26004* #	US-PATENT-CLASS-250-203R	c 44	N81-24520* #	US-PATENT-CLASS-250-237G	c 74	N79-20856* #
US-PATENT-CLASS-244-76	c 21	N70-34539* #	US-PATENT-CLASS-250-203R	c 32	N83-18975* #	US-PATENT-CLASS-250-237R	c 08	N73-30135* #
US-PATENT-CLASS-244-76	c 02	N71-13422* #	US-PATENT-CLASS-250-203R	c 47	N83-32232* #	US-PATENT-CLASS-250-237R	c 19	N74-15089* #
US-PATENT-CLASS-244-76	c 02	N71-20570* #	US-PATENT-CLASS-250-203X	c 16	N72-13437* #	US-PATENT-CLASS-250-237	c 14	N69-24331* #
US-PATENT-CLASS-244-77A	c 04	N74-13420* #	US-PATENT-CLASS-250-203	c 14	N69-27432* #	US-PATENT-CLASS-250-238	c 33	N75-31332* #
US-PATENT-CLASS-244-77B	c 04	N74-13420* #	US-PATENT-CLASS-250-203	c 14	N69-27485* #	US-PATENT-CLASS-250-238	c 32	N77-28346* #
US-PATENT-CLASS-244-77D	c 02	N73-19004* #	US-PATENT-CLASS-250-203	c 07	N69-39736* #	US-PATENT-CLASS-250-239	c 08	N73-30135* #
US-PATENT-CLASS-244-77F	c 02	N73-26004* #	US-PATENT-CLASS-250-203	c 14	N70-34158* #	US-PATENT-CLASS-250-239	c 74	N78-33913* #
US-PATENT-CLASS-244-77G	c 02	N73-26004* #	US-PATENT-CLASS-250-203	c 21	N70-35089* #	US-PATENT-CLASS-250-251	c 35	N76-15431* #
US-PATENT-CLASS-244-77	c 32	N71-23971* #	US-PATENT-CLASS-250-203	c 14	N70-40239* #	US-PATENT-CLASS-250-253	c 43	N79-31706* #
US-PATENT-CLASS-244-78	c 08	N82-24205* #	US-PATENT-CLASS-250-203	c 21	N71-10678* #	US-PATENT-CLASS-250-272	c 74	N78-15880* #
US-PATENT-CLASS-244-79	c 04	N76-26175* #	US-PATENT-CLASS-250-203	c 21	N71-10771* #	US-PATENT-CLASS-250-272	c 43	N79-31706* #
US-PATENT-CLASS-244-82	c 05	N79-12061* #	US-PATENT-CLASS-250-203	c 21	N71-15642* #	US-PATENT-CLASS-250-277CH	c 76	N78-24950* #
US-PATENT-CLASS-244-83G	c 08	N79-23097* #	US-PATENT-CLASS-250-203	c 14	N71-19568* #	US-PATENT-CLASS-250-277CH	c 74	N80-21140* #
US-PATENT-CLASS-244-83R	c 05	N75-12930* #	US-PATENT-CLASS-250-203	c 14	N71-23269* #	US-PATENT-CLASS-250-280	c 76	N78-24950* #
US-PATENT-CLASS-244-83	c 21	N70-33279* #	US-PATENT-CLASS-250-203	c 14	N71-23797* #	US-PATENT-CLASS-250-280	c 74	N80-21140* #
US-PATENT-CLASS-244-83	c 15	N71-23255* #	US-PATENT-CLASS-250-203	c 14	N72-22444* #	US-PATENT-CLASS-250-281	c 35	N74-34857* #
US-PATENT-CLASS-244-83	c 31	N71-33160* #	US-PATENT-CLASS-250-203	c 14	N73-30393* #	US-PATENT-CLASS-250-281	c 35	N76-16393* #
US-PATENT-CLASS-244-83	c 08	N74-10942* #	US-PATENT-CLASS-250-203	c 35	N75-23910* #	US-PATENT-CLASS-250-281	c 36	N77-26477* #
US-PATENT-CLASS-244-87	c 08	N81-19130* #	US-PATENT-CLASS-250-204	c 36	N74-21091* #	US-PATENT-CLASS-250-281	c 72	N80-14877* #
US-PATENT-CLASS-244-90R	c 08	N74-30421* #	US-PATENT-CLASS-250-205	c 14	N72-27411* #	US-PATENT-CLASS-250-282	c 36	N77-26477* #
US-PATENT-CLASS-244-90R	c 05	N79-12061* #	US-PATENT-CLASS-250-205	c 09	N73-14214* #	US-PATENT-CLASS-250-282	c 72	N80-14877* #
US-PATENT-CLASS-244-90R	c 08	N79-14108* #	US-PATENT-CLASS-250-205	c 36	N74-13205* #	US-PATENT-CLASS-250-282	c 35	N83-27184* #
US-PATENT-CLASS-244-90	c 02	N71-27088* #	US-PATENT-CLASS-250-206	c 10	N71-20782* #	US-PATENT-CLASS-250-283	c 36	N77-26477* #
US-PATENT-CLASS-244-91	c 08	N74-30421* #	US-PATENT-CLASS-250-207	c 14	N72-17328* #	US-PATENT-CLASS-250-287	c 35	N76-15431* #
US-PATENT-CLASS-244-93	c 05	N82-26277* #	US-PATENT-CLASS-250-207	c 14	N73-32317* #	US-PATENT-CLASS-250-287	c 35	N76-16393* #
US-PATENT-CLASS-247-171	c 35	N75-23910* #	US-PATENT-CLASS-250-208	c 33	N74-27682* #	US-PATENT-CLASS-250-288	c 35	N76-16393* #
US-PATENT-CLASS-248-119	c 11	N70-35383* #	US-PATENT-CLASS-250-209	c 14	N72-20379* #	US-PATENT-CLASS-250-288	c 35	N77-32456* #
US-PATENT-CLASS-248-14	c 15	N72-17454* #	US-PATENT-CLASS-250-209	c 07	N69-39980* #	US-PATENT-CLASS-250-288	c 35	N83-27184* #
US-PATENT-CLASS-248-16	c 18	N74-27397* #	US-PATENT-CLASS-250-209	c 20	N71-16340* #	US-PATENT-CLASS-250-289	c 35	N77-14406* #
US-PATENT-CLASS-248-178	c 15	N70-41310* #	US-PATENT-CLASS-250-209	c 10	N72-17173* #	US-PATENT-CLASS-250-290	c 35	N77-10492* #
US-PATENT-CLASS-248-178	c 37	N78-27425* #	US-PATENT-CLASS-250-209	c 14	N72-25409* #	US-PATENT-CLASS-250-291	c 35	N77-10492* #
US-PATENT-CLASS-248-183	c 14	N71-26627* #	US-PATENT-CLASS-250-209	c 14	N73-16483* #	US-PATENT-CLASS-250-295	c 35	N74-34857* #
US-PATENT-CLASS-248-183	c 15	N72-11386* #	US-PATENT-CLASS-250-209	c 14	N73-26432* #	US-PATENT-CLASS-250-298	c 35	N77-14406* #
US-PATENT-CLASS-248-186	c 37	N78-27425* #	US-PATENT-CLASS-250-209	c 14	N73-28490* #	US-PATENT-CLASS-250-304	c 25	N74-26947* #
US-PATENT-CLASS-248-188.4	c 15	N72-27484* #	US-PATENT-CLASS-250-209	c 21	N73-30640* #	US-PATENT-CLASS-250-307	c 25	N80-20334* #
US-PATENT-CLASS-248-188.9	c 31	N70-34159* #	US-PATENT-CLASS-250-209	c 44	N81-24520* #	US-PATENT-CLASS-250-308	c 25	N80-20334* #
US-PATENT-CLASS-248-18	c 14	N69-27486* #	US-PATENT-CLASS-250-211J	c 09	N72-17152* #	US-PATENT-CLASS-250-310	c 35	N78-10429* #
US-PATENT-CLASS-248-18	c 15	N72-11391* #	US-PATENT-CLASS-250-211J	c 09	N73-14214* #	US-PATENT-CLASS-250-310	c 33	N80-14332* #
US-PATENT-CLASS-248-20	c 15	N72-11391* #	US-PATENT-CLASS-250-211J	c 35	N74-15090* #	US-PATENT-CLASS-250-311	c 33	N83-18996* #
US-PATENT-CLASS-248-22	c 19	N76-22284* #	US-PATENT-CLASS-250-211K	c 74	N77-22951* #	US-PATENT-CLASS-250-320	c 74	N78-15880* #
US-PATENT-CLASS-248-23	c 18	N74-27397* #	US-PATENT-CLASS-250-211K	c 44	N80-18552* #	US-PATENT-CLASS-250-322	c 35	N78-15461* #
US-PATENT-CLASS-248-278	c 15	N72-11386* #	US-PATENT-CLASS-250-211R	c 36	N75-19652* #	US-PATENT-CLASS-250-330	c 44	N82-32841* #
US-PATENT-CLASS-248-27	c 15	N71-20813* #	US-PATENT-CLASS-250-211R	c 35	N75-23910* #	US-PATENT-CLASS-250-332	c 35	N75-19613* #
US-PATENT-CLASS-248-317	c 11	N69-27466* #	US-PATENT-CLASS-250-212	c 03	N71-23354* #	US-PATENT-CLASS-250-332	c 31	N78-25256* #
US-PATENT-CLASS-248-346	c 14	N70-39898* #	US-PATENT-CLASS-250-212	c 03	N70-20040* #	US-PATENT-CLASS-250-332	c 35	N82-31659* #
US-PATENT-CLASS-248-358R	c 37	N75-18573* #	US-PATENT-CLASS-250-212	c 09	N73-32109* #	US-PATENT-CLASS-250-332	c 74	N83-19597* #
US-PATENT-CLASS-248-358R	c 19	N76-22284* #	US-PATENT-CLASS-250-213VT	c 74	N78-18905* #	US-PATENT-CLASS-250-335	c 34	N76-18374* #
US-PATENT-CLASS-248-358	c 15	N70-40156* #	US-PATENT-CLASS-250-214AL	c 74	N79-12890* #	US-PATENT-CLASS-250-336	c 14	N73-28488* #
US-PATENT-CLASS-248-358	c 23	N71-15673* #	US-PATENT-CLASS-250-214A	c 33	N77-14335* #	US-PATENT-CLASS-250-336	c 35	N76-15433* #
US-PATENT-CLASS-248-358	c 15	N71-24694* #	US-PATENT-CLASS-250-214R	c 14	N73-28490* #	US-PATENT-CLASS-250-336	c 33	N76-27473* #
US-PATENT-CLASS-248-36-3	c 37	N78-17383* #	US-PATENT-CLASS-250-214R	c 74	N79-12890* #	US-PATENT-CLASS-250-336	c 35	N78-13400* #
US-PATENT-CLASS-248-360	c 15	N71-17649* #	US-PATENT-CLASS-250-214	c 14	N73-25462* #	US-PATENT-CLASS-250-338	c 35	N74-18088* #
US-PATENT-CLASS-248-361	c 05	N71-28619* #	US-PATENT-CLASS-250-214	c 14	N73-25462* #	US-PATENT-CLASS-250-338	c 35	N77-10493* #
US-PATENT-CLASS-248-362	c 37	N76-21554* #	US-PATENT-CLASS-250-214	c 35	N74-15090* #	US-PATENT-CLASS-250-338	c 47	N77-10753* #
US-PATENT-CLASS-248-363	c 37	N76-21554* #	US-PATENT-CLASS-250-214	c 33	N82-28545* #	US-PATENT-CLASS-250-338	c 35	N80-26635* #
US-PATENT-CLASS-248-425	c 37	N82-21587* #	US-PATENT-CLASS-250-215	c 14	N73-16483* #	US-PATENT-CLASS-250-338	c 35	N83-21311* #
US-PATENT-CLASS-248-487	c 15	N72-11386* #	US-PATENT-CLASS-250-216	c 74	N79-34011* #	US-PATENT-CLASS-250-339	c 35	N77-10493* #
US-PATENT-CLASS-248-638	c 35	N83-32026* #	US-PATENT-CLASS-250-216	c 74	N82-24072* #	US-PATENT-CLASS-250-339	c 47	N77-10753* #
US-PATENT-CLASS-248-636	c 35	N83-32026* #	US-PATENT-CLASS-250-217F	c 14	N73-16484* #	US-PATENT-CLASS-250-340	c 35	N76-29551* #
US-PATENT-CLASS-248	c 25	N79-28253* #	US-PATENT-CLASS-250-217R	c 14	N73-19419* #	US-PATENT-CLASS-250-340	c 74	N83-19597* #
US-PATENT-CLASS-249-144	c 31	N75-13111* #	US-PATENT-CLASS-250-217SS	c 09	N73-14214* #	US-PATENT-CLASS-250-343	c 35	N74-11284* #
US-PATENT-CLASS-249-145	c 31	N74-32920* #	US-PATENT-CLASS-250-217SS	c 36	N74-15145* #	US-PATENT-CLASS-250-343	c 25	N74-26947* #
US-PATENT-CLASS-249-145	c 31	N75-13111* #	US-PATENT-CLASS-250-217	c 14	N69-39986* #	US-PATENT-CLASS-250-343	c 45	N75-27585* #
US-PATENT-CLASS-249-184	c 31	N74-32920* #	US-PATENT-CLASS-250-217	c 14	N73-16483* #	US-PATENT-CLASS-250-343	c 74	N76-20958* #
US-PATENT-CLASS-249-59	c 31	N75-13111* #	US-PATENT-CLASS-250-217	c 36	N74-13205* #	US-PATENT-CLASS-250-343	c 25	N76-22323* #
US-PATENT-CLASS-249-83	c 31	N74-32920* #	US-PATENT-CLASS-250-218	c 14	N71-22996* #	US-PATENT-CLASS-250-343	c 35	N77-14411* #
US-PATENT-CLASS-249-95	c 31	N74-32920* #	US-PATENT-CLASS-250-218	c 14	N71-28994* #	US-PATENT-CLASS-250-343	c 35	N78-13400* #
US-PATENT-CLASS-25-156	c 15	N71-16076* #	US-PATENT-CLASS-250-218	c 74	N78-33913* #	US-PATENT-CLASS-250-343	c 25	N81-14015* #
US-PATENT-CLASS-250-105	c 14	N70-40240* #	US-PATENT-CLASS-250-219DF	c 91	N74-13130* #	US-PATENT-CLASS-250-344	c 25	N76-22323* #
US-PATENT-CLASS-250-105	c 14	N73-30389* #	US-PATENT-CLASS-250-219TH	c 26	N73-26751* #	US-PATENT-CLASS-250-344	c 74	N78-17867* #
US-PATENT-CLASS-250-199	c 16	N69-27491* #	US-PATENT-CLASS-250-219	c 14	N71-28993* #	US-PATENT-CLASS-250-345	c 45	N75-27585* #
US-PATENT-CLASS-250-199	c 07	N71-12389* #	US-PATENT-CLASS-250-221	c 33	N82-28545* #	US-PATENT-CLASS-250-347	c 35	N77-10493* #
US-PATENT-CLASS-250-199	c 16	N71-22895* #	US-PATENT-CLASS-250-225	c 14	N71-24864* #	US-PATENT-CLASS-250-347	c 47	N77-10753* #
US-PATENT-CLASS-250-199	c 16	N71-25914* #	US-PATENT-CLASS-250-225	c 14	N72-27409* #	US-PATENT-CLASS-250-347	c 74	N80-33210* #
US-PATENT-CLASS-250-199	c 16	N71-27183* #	US-PATENT-CLASS-250-226	c 14	N72-25409* #	US-PATENT-CLASS-250-350	c 25	N81-25159* #
US-PATENT-CLASS-250-199	c 16	N71-28963* #	US-PATENT-CLASS-250-226	c 43	N79-17288* #	US-PATENT-CLASS-250-350	c 74	N83-19597* #
US-PATENT-CLASS-250-199	c 16	N73-16536* #	US-PATENT-CLASS-250-226	c 74	N82-30071* #	US-PATENT-CLASS-250-351	c 35	N75-30502* #
US-PATENT-CLASS-250-199	c 07	N73-26119* #	US-PATENT-CLASS-250-227	c 14	N71-22991* #	US-PATENT-CLASS-250-351	c 35	N78-13400* #
US-PATENT-CLASS-250-199	c 74	N76-18913* #	US-PATENT-CLASS-250-227	c 14	N71-23240* #	US-PATENT-CLASS-250-351	c 74	N83-19597* #
US-PATENT-CLASS-250-199	c 74	N77-26942* #	US-PATENT-CLASS-250-227	c 60	N77-14751* #	US-PATENT-CLASS-250-352	c 31	N79-17029* #
US-PATENT-CLASS-250-199	c 32	N77-28346* #	US-PATENT-CLASS-250-227	c 74	N78-33913* #	US-PATENT-CLASS-250-352	c 34	N79-20336* #
US-PATENT-CLASS-250-199	c 60	N77-32731* #	US-PATENT-CLASS-250-229	c 74	N83-19597* #	US-PATENT-CLASS-250-352	c 35	N80-26635* #
US-PATENT-CLASS-250-199	c 74	N78-14889* #	US-PATENT-CLASS-250-231R	c 08	N73-30135* #	US-PATENT-CLASS-250-352	c 74	N80-33210* #
US-PATENT-CLASS-250-201	c 14	N70-40238* #	US-PATENT-CLASS-250-231SE	c 74	N82-30071* #	US-PATENT-CLASS-250-353	c 35	N76-29551* #</

US-PATENT-CLASS-250-360

REPORT NUMBER INDEX

US-PATENT-CLASS-250-360	c 35	N74-15091* #	US-PATENT-CLASS-250-51 5	c 14	N73-28491* #	US-PATENT-CLASS-251-333	c 12	N71-18615*
US-PATENT-CLASS-250-361	c 35	N74-15091* #	US-PATENT-CLASS-250-510	c 35	N75-19616* #	US-PATENT-CLASS-251-333	c 15	N72-20442* #
US-PATENT-CLASS-250-363R	c 52	N77-14737* #	US-PATENT-CLASS-250-511	c 74	N74-27866* #	US-PATENT-CLASS-251-333	c 37	N75-25185* #
US-PATENT-CLASS-250-363R	c 74	N79-20857* #	US-PATENT-CLASS-250-513	c 35	N80-28686* #	US-PATENT-CLASS-251-339	c 17	N81-17433* #
US-PATENT-CLASS-250-368	c 74	N81-24900* #	US-PATENT-CLASS-250-518	c 14	N73-30392* #	US-PATENT-CLASS-251-342	c 12	N71-18615*
US-PATENT-CLASS-250-369	c 35	N74-15091* #	US-PATENT-CLASS-250-51	c 24	N72-11595* #	US-PATENT-CLASS-251-358	c 15	N71-17648*
US-PATENT-CLASS-250-369	c 35	N82-32659* #	US-PATENT-CLASS-250-527	c 37	N76-18458* #	US-PATENT-CLASS-251-360	c 15	N72-25451* #
US-PATENT-CLASS-250-370	c 35	N74-18088* #	US-PATENT-CLASS-250-527	c 25	N77-32255* #	US-PATENT-CLASS-251-61 1	c 12	N71-18615*
US-PATENT-CLASS-250-370	c 33	N75-31332* #	US-PATENT-CLASS-250-527	c 44	N75-21470* #	US-PATENT-CLASS-251-61	c 15	N71-10778* #
US-PATENT-CLASS-250-370	c 35	N82-31659* #	US-PATENT-CLASS-250-527	c 44	N79-11258* #	US-PATENT-CLASS-251-7	c 37	N79-28550* #
US-PATENT-CLASS-250-371	c 44	N82-32841* #	US-PATENT-CLASS-250-527	c 44	N82-16475* #	US-PATENT-CLASS-251-86	c 15	N72-31483* #
US-PATENT-CLASS-250-372	c 35	N74-18088* #	US-PATENT-CLASS-250-528	c 25	N78-25148* #	US-PATENT-CLASS-251-86	c 37	N80-23654* #
US-PATENT-CLASS-250-372	c 19	N74-29410* #	US-PATENT-CLASS-250-52	c 15	N71-15606* #	US-PATENT-CLASS-252-12 2	c 24	N79-17916* #
US-PATENT-CLASS-250-372	c 24	N76-24363* #	US-PATENT-CLASS-250-52	c 11	N71-23042* #	US-PATENT-CLASS-252-12	c 15	N71-23810*
US-PATENT-CLASS-250-372	c 33	N76-27473* #	US-PATENT-CLASS-250-52	c 24	N72-11595* #	US-PATENT-CLASS-252-12	c 24	N76-22309* #
US-PATENT-CLASS-250-372	c 35	N83-21311* #	US-PATENT-CLASS-250-52	c 23	N73-13662* #	US-PATENT-CLASS-252-26	c 15	N71-21403*
US-PATENT-CLASS-250-373	c 25	N74-26947* #	US-PATENT-CLASS-250-531	c 25	N78-25148* #	US-PATENT-CLASS-252-26	c 15	N71-24046*
US-PATENT-CLASS-250-373	c 35	N75-30502* #	US-PATENT-CLASS-250-531	c 33	N79-15245* #	US-PATENT-CLASS-252-2	c 25	N83-36118* #
US-PATENT-CLASS-250-373	c 45	N76-17656* #	US-PATENT-CLASS-250-540	c 33	N79-15245* #	US-PATENT-CLASS-252-300	c 14	N72-22443* #
US-PATENT-CLASS-250-374	c 35	N74-26949* #	US-PATENT-CLASS-250-541	c 33	N79-15245* #	US-PATENT-CLASS-252-300	c 24	N76-24363* #
US-PATENT-CLASS-250-385	c 35	N74-26949* #	US-PATENT-CLASS-250-551	c 74	N79-34011* #	US-PATENT-CLASS-252-301 1R	c 35	N79-10389* #
US-PATENT-CLASS-250-385	c 35	N75-27331* #	US-PATENT-CLASS-250-563	c 38	N78-17396* #	US-PATENT-CLASS-252-301 16	c 35	N79-10389* #
US-PATENT-CLASS-250-385	c 35	N76-15433* #	US-PATENT-CLASS-250-566	c 74	N75-25706* #	US-PATENT-CLASS-252-301 2	c 18	N71-27170*
US-PATENT-CLASS-250-385	c 35	N76-16393* #	US-PATENT-CLASS-250-571	c 36	N78-14380* #	US-PATENT-CLASS-252-301 4	c 06	N73-30097* #
US-PATENT-CLASS-250-385	c 35	N82-24471* #	US-PATENT-CLASS-250-572	c 38	N78-17396* #	US-PATENT-CLASS-252-305	c 06	N73-30097* #
US-PATENT-CLASS-250-386	c 35	N82-24471* #	US-PATENT-CLASS-250-572	c 38	N78-17396* #	US-PATENT-CLASS-252-359A	c 37	N77-13418* #
US-PATENT-CLASS-250-388	c 33	N82-24763* #	US-PATENT-CLASS-250-573	c 74	N76-20958* #	US-PATENT-CLASS-252-361	c 71	N83-35781* #
US-PATENT-CLASS-250-389	c 35	N82-24471* #	US-PATENT-CLASS-250-573	c 34	N83-31993* #	US-PATENT-CLASS-252-364	c 28	N81-15119* #
US-PATENT-CLASS-250-394	c 14	N73-30392* #	US-PATENT-CLASS-250-574	c 45	N76-21742* #	US-PATENT-CLASS-252-373	c 44	N76-29704* #
US-PATENT-CLASS-250-394	c 19	N74-29410* #	US-PATENT-CLASS-250-574	c 36	N77-25501* #	US-PATENT-CLASS-252-373	c 44	N77-10636* #
US-PATENT-CLASS-250-396	c 35	N77-14408* #	US-PATENT-CLASS-250-576	c 35	N74-27860* #	US-PATENT-CLASS-252-408	c 14	N73-14428* #
US-PATENT-CLASS-250-398	c 35	N78-10429* #	US-PATENT-CLASS-250-578	c 36	N75-19552* #	US-PATENT-CLASS-252-422	c 45	N82-11634* #
US-PATENT-CLASS-250-400	c 25	N76-29379* #	US-PATENT-CLASS-250-65F	c 15	N72-25452* #	US-PATENT-CLASS-252-431N	c 06	N73-32029* #
US-PATENT-CLASS-250-400	c 25	N78-27226* #	US-PATENT-CLASS-250-65R	c 14	N73-30389* #	US-PATENT-CLASS-252-431R	c 06	N73-32029* #
US-PATENT-CLASS-250-41 9D	c 14	N72-29464* #	US-PATENT-CLASS-250-71 5R	c 14	N72-29464* #	US-PATENT-CLASS-252-472	c 25	N78-10225* #
US-PATENT-CLASS-250-41 9S	c 14	N73-12444* #	US-PATENT-CLASS-250-71 5	c 14	N72-17328* #	US-PATENT-CLASS-252-514	c 05	N72-25120* #
US-PATENT-CLASS-250-41 9S	c 14	N73-12444* #	US-PATENT-CLASS-250-71R	c 06	N73-16106* #	US-PATENT-CLASS-252-514	c 44	N79-31752* #
US-PATENT-CLASS-250-41 9S	c 14	N71-28992* #	US-PATENT-CLASS-250-71	c 14	N70-41676* #	US-PATENT-CLASS-252-514	c 25	N82-26396* #
US-PATENT-CLASS-250-41 9	c 06	N71-13461* #	US-PATENT-CLASS-250-83 3H	c 14	N72-21408* #	US-PATENT-CLASS-252-518	c 24	N79-14156* #
US-PATENT-CLASS-250-41 9	c 24	N71-16095* #	US-PATENT-CLASS-250-83 3H	c 14	N72-24477* #	US-PATENT-CLASS-252-549	c 23	N75-14834* #
US-PATENT-CLASS-250-41 9	c 14	N71-23041* #	US-PATENT-CLASS-250-83 3H	c 14	N73-12445* #	US-PATENT-CLASS-252-58	c 18	N70-39897* #
US-PATENT-CLASS-250-41 9	c 14	N71-28863* #	US-PATENT-CLASS-250-83 3H	c 14	N73-20475* #	US-PATENT-CLASS-252-5	c 25	N83-33977* #
US-PATENT-CLASS-250-41 9	c 14	N72-17328* #	US-PATENT-CLASS-250-83 3H	c 14	N73-25462* #	US-PATENT-CLASS-252-5	c 25	N83-36118* #
US-PATENT-CLASS-250-41 9	c 14	N73-32325* #	US-PATENT-CLASS-250-83 3R	c 14	N73-12445* #	US-PATENT-CLASS-252-62 3E	c 44	N80-24741* #
US-PATENT-CLASS-250-416TV	c 35	N78-15461* #	US-PATENT-CLASS-250-83 3R	c 14	N73-20477* #	US-PATENT-CLASS-252-62 3E	c 44	N81-19558* #
US-PATENT-CLASS-250-423P	c 36	N77-26477* #	US-PATENT-CLASS-250-83 3R	c 14	N73-32317* #	US-PATENT-CLASS-252-62 3GA	c 25	N75-26043* #
US-PATENT-CLASS-250-423P	c 25	N78-25148* #	US-PATENT-CLASS-250-83 3UV	c 10	N72-17173* #	US-PATENT-CLASS-252-62 3	c 26	N71-23292* #
US-PATENT-CLASS-250-423P	c 72	N80-14877* #	US-PATENT-CLASS-250-83 3UV	c 14	N72-25409* #	US-PATENT-CLASS-252-62 3	c 76	N76-25049* #
US-PATENT-CLASS-250-423	c 35	N76-15431* #	US-PATENT-CLASS-250-83 3UV	c 06	N73-16106* #	US-PATENT-CLASS-252-62	c 27	N74-27037* #
US-PATENT-CLASS-250-423	c 35	N76-16393* #	US-PATENT-CLASS-250-83 3	c 21	N70-33181* #	US-PATENT-CLASS-252-70	c 23	N75-14834* #
US-PATENT-CLASS-250-423	c 35	N83-27184* #	US-PATENT-CLASS-250-83 3	c 21	N70-34297* #	US-PATENT-CLASS-252-8 1	c 18	N73-26572* #
US-PATENT-CLASS-250-427	c 72	N80-27163* #	US-PATENT-CLASS-250-83 3	c 14	N71-15599* #	US-PATENT-CLASS-252-8 1	c 27	N74-27037* #
US-PATENT-CLASS-250-429	c 25	N76-29379* #	US-PATENT-CLASS-250-83 3	c 14	N71-18689* #	US-PATENT-CLASS-252-8 1	c 24	N78-14096* #
US-PATENT-CLASS-250-429	c 25	N78-27226* #	US-PATENT-CLASS-250-83 3	c 14	N71-21088* #	US-PATENT-CLASS-253-317	c 44	N77-22606* #
US-PATENT-CLASS-250-43 5FC	c 14	N72-11365* #	US-PATENT-CLASS-250-83 3	c 09	N71-22985* #	US-PATENT-CLASS-253-39 15	c 15	N70-33226*
US-PATENT-CLASS-250-43 5R	c 14	N71-27090* #	US-PATENT-CLASS-250-83 3	c 14	N71-25901* #	US-PATENT-CLASS-253-39 15	c 15	N70-33264*
US-PATENT-CLASS-250-43 5R	c 14	N72-21408* #	US-PATENT-CLASS-250-83 3	c 14	N71-26475* #	US-PATENT-CLASS-253-39 15	c 28	N70-33372*
US-PATENT-CLASS-250-43 5R	c 06	N72-25146* #	US-PATENT-CLASS-250-83 3	c 14	N71-27323* #	US-PATENT-CLASS-253-39 1	c 33	N71-29152*
US-PATENT-CLASS-250-43 5R	c 06	N72-31141* #	US-PATENT-CLASS-250-83 3	c 14	N72-17328* #	US-PATENT-CLASS-253-66	c 15	N70-36412* #
US-PATENT-CLASS-250-43 5	c 15	N71-16348* #	US-PATENT-CLASS-250-83 3	c 35	N75-27329* #	US-PATENT-CLASS-253-66	c 28	N70-39895* #
US-PATENT-CLASS-250-43 5	c 27	N71-24896* #	US-PATENT-CLASS-250-83 6R	c 14	N71-27090* #	US-PATENT-CLASS-253-77	c 28	N71-28928* #
US-PATENT-CLASS-250-43 5	c 14	N71-25901* #	US-PATENT-CLASS-250-83 6R	c 14	N72-20381* #	US-PATENT-CLASS-253-77	c 28	N71-29154*
US-PATENT-CLASS-250-432R	c 25	N76-22323* #	US-PATENT-CLASS-250-83 6R	c 25	N72-33696* #	US-PATENT-CLASS-253	c 25	N79-28253* #
US-PATENT-CLASS-250-432	c 45	N75-27585* #	US-PATENT-CLASS-250-83 6R	c 74	N81-19898* #	US-PATENT-CLASS-254-124	c 20	N76-22296* #
US-PATENT-CLASS-250-444	c 52	N77-14737* #	US-PATENT-CLASS-250-83 6	c 10	N70-41991* #	US-PATENT-CLASS-254-131	c 60	N82-24839* #
US-PATENT-CLASS-250-457	c 35	N80-28686* #	US-PATENT-CLASS-250-83CD	c 91	N74-13130* #	US-PATENT-CLASS-254-150	c 15	N71-24599* #
US-PATENT-CLASS-250-460	c 35	N75-26372* #	US-PATENT-CLASS-250-83R	c 14	N73-12445* #	US-PATENT-CLASS-254-156	c 15	N73-25512* #
US-PATENT-CLASS-250-474 1	c 37	N83-21311* #	US-PATENT-CLASS-250-83R	c 14	N73-20477* #	US-PATENT-CLASS-254-158	c 54	N77-21844* #
US-PATENT-CLASS-250-475	c 35	N79-10389* #	US-PATENT-CLASS-250-83	c 14	N69-27484* #	US-PATENT-CLASS-254-173	c 15	N71-24599* #
US-PATENT-CLASS-250-483	c 74	N79-20857* #	US-PATENT-CLASS-250-83	c 14	N69-39937* #	US-PATENT-CLASS-254-186	c 15	N71-24599* #
US-PATENT-CLASS-250-483	c 74	N81-24900* #	US-PATENT-CLASS-250-83	c 09	N71-18830* #	US-PATENT-CLASS-254-190	c 15	N72-25453* #
US-PATENT-CLASS-250-489	c 35	N76-15433* #	US-PATENT-CLASS-250-83	c 05	N71-19440* #	US-PATENT-CLASS-254-29A	c 15	N73-30457* #
US-PATENT-CLASS-250-49 5B	c 24	N72-11595* #	US-PATENT-CLASS-250-83	c 14	N71-20430* #	US-PATENT-CLASS-254-93R	c 35	N74-13129* #
US-PATENT-CLASS-250-49 5TE	c 24	N72-11595* #	US-PATENT-CLASS-250-83	c 14	N71-23401* #	US-PATENT-CLASS-254-93R	c 20	N76-22296* #
US-PATENT-CLASS-250-49 5	c 14	N69-39982* #	US-PATENT-CLASS-250-83	c 09	N71-27232* #	US-PATENT-CLASS-256-13 1	c 37	N79-10420* #
US-PATENT-CLASS-250-49 5	c 14	N71-28863* #	US-PATENT-CLASS-250-84	c 14	N71-24809* #	US-PATENT-CLASS-256-1	c 37	N79-10420* #
US-PATENT-CLASS-250-49 5	c 14	N72-17328* #	US-PATENT-CLASS-251-118	c 15	N71-18580* #	US-PATENT-CLASS-259-DIG 18	c 35	N74-15093* #
US-PATENT-CLASS-250-491	c 35	N80-28686* #	US-PATENT-CLASS-251-11	c 15	N70-35407* #	US-PATENT-CLASS-259-4AC	c 37	N76-19436* #
US-PATENT-CLASS-250-492A	c 33	N80-14332* #	US-PATENT-CLASS-251-120	c 37	N74-21065* #	US-PATENT-CLASS-259-4	c 15	N73-19458* #
US-PATENT-CLASS-250-492B	c 25	N78-27226* #	US-PATENT-CLASS-251-121	c 15	N71-18580* #	US-PATENT-CLASS-259-60	c 35	N74-15093* #
US-PATENT-CLASS-250-492R	c 25	N76-29379* #	US-PATENT-CLASS-251-122	c 15	N73-13462* #	US-PATENT-CLASS-259-71	c 15	N71-21177* #
US-PATENT-CLASS-250-492R	c 28	N78-24365* #	US-PATENT-CLASS-251-122	c 37	N74-21065* #	US-PATENT-CLASS-259-72	c 37	N74-18123* #
US-PATENT-CLASS-250-492	c 35	N74-15091* #	US-PATENT-CLASS-251-127	c 12	N71-18615* #	US-PATENT-CLASS-259-98	c 35	N74-15126* #
US-PATENT-CLASS-250-492	c 37	N75-26372* #	US-PATENT-CLASS-251-129	c 15	N72-20442* #	US-PATENT-CLASS-259-4R	c 34	N77-24423* #
US-PATENT-CLASS-250-493	c 73	N75-30876* #	US-PATENT-CLASS-251-138	c 37	N80-23654* #	US-PATENT-CLASS-260 46 5E	c 27	N74-21156* #
US-PATENT-CLASS-250-495	c 74	N75-12732* #	US-PATENT-CLASS-251-148	c 15	N71-23024* #	US-PATENT-CLASS-260 46 15	c 27	N78-14164* #
US-PATENT-CLASS-250-496	c 73	N75-30876* #	US-PATENT-CLASS-251-149 6	c 37	N76-14463* #	US-PATENT-CLASS-260-DIG 24	c 27	N74-27037* #
US-PATENT-CLASS-250-498	c 52	N77-14737* #	US-PATENT-CLASS-251-149 9	c 37	N79-11402* #	US-PATENT-CLASS-260-DIG 24	c 27	N76-24405* #
US-PATENT-CLASS-250-499	c 73	N74-26767* #	US-PATENT-CLASS-251-172	c 15	N71-21234* #	US-PATENT-CLASS-260-DIG 29	c 27	N80-24438* #
US-PATENT-CLASS-250-499	c 72	N76-15860* #	US-PATENT-CLASS-251-172	c 37	N79-33469* #	US-PATENT-CLASS-260-17 2	c 24	N80-26388* #
US-PATENT-CLASS-250-499	c 37	N78-13436* #	US-PATENT-CLASS-251-173	c 15	N70-33376* #	US-PATENT-CLASS-260-17 2	c 24	N81-13999* #
US-PATENT-CLASS-250-500	c 72	N76-15860* #	US-PATENT-CLASS-251-210	c 37	N74-21065* #	US-PATENT-CLASS-260-17 7 4UC	c 23	N81-29160* #
US-PATENT-CLASS-250-500	c 74	N74-27866* #	US-PATENT-CLASS-251-216	c 37	N81-17433* #	US-PATENT-CLASS-260-17A	c 27	N81-14076* #
US-PATENT-CLASS-250-505	c 35	N75-19616* #	US-PATENT-CLASS-251-31	c 15	N71-19485* #	US-PATENT-CLASS-260-18S	c 06	N72-25151* #

REPORT NUMBER INDEX

US-PATENT-CLASS-264-65

US-PATENT-CLASS-260-2 1E	c 25	N81-19244* #	US-PATENT-CLASS-260-45 9R	c 24	N78-27180* #	US-PATENT-CLASS-264-102	c 15	N73-12489* #
US-PATENT-CLASS-260-2 1	c 25	N81-17187* #	US-PATENT-CLASS-260-46 5E	c 06	N72-25151* #	US-PATENT-CLASS-264-102	c 31	N74-14133* #
US-PATENT-CLASS-260-2 2R	c 25	N81-17187* #	US-PATENT-CLASS-260-46 5G	c 06	N72-25151* #	US-PATENT-CLASS-264-102	c 31	N74-18124* #
US-PATENT-CLASS-260-2 2R	c 25	N81-19244* #	US-PATENT-CLASS-260-46 5P	c 06	N72-25151* #	US-PATENT-CLASS-264-102	c 37	N76-24575* #
US-PATENT-CLASS-260-2 5AK	c 27	N76-15310* #	US-PATENT-CLASS-260-46 5R	c 06	N73-26100* #	US-PATENT-CLASS-264-102	c 15	N79-26100* #
US-PATENT-CLASS-260-2 5AK	c 27	N78-24290* #	US-PATENT-CLASS-260-46 5	c 06	N71-11237* #	US-PATENT-CLASS-264-104	c 05	N72-25120* #
US-PATENT-CLASS-260-2 5AM	c 24	N74-12812* #	US-PATENT-CLASS-260-46 5	c 06	N71-11240* #	US-PATENT-CLASS-264-104	c 27	N81-24257* #
US-PATENT-CLASS-260-2 5AM	c 27	N77-31308* #	US-PATENT-CLASS-260-46S 5R	c 27	N81-24256* #	US-PATENT-CLASS-264-104	c 23	N81-29160* #
US-PATENT-CLASS-260-2 5AP	c 24	N78-24290* #	US-PATENT-CLASS-260-47CP	c 06	N73-27980* #	US-PATENT-CLASS-264-104	c 25	N83-13188* #
US-PATENT-CLASS-260-2 5AY	c 27	N77-31308* #	US-PATENT-CLASS-260-47CP	c 23	N76-15268* #	US-PATENT-CLASS-264-105	c 27	N81-24257* #
US-PATENT-CLASS-260-2 5A	c 27	N77-31308* #	US-PATENT-CLASS-260-47CP	c 27	N78-31232* #	US-PATENT-CLASS-264-111	c 17	N71-29137* #
US-PATENT-CLASS-260-2 5BE	c 24	N78-24290* #	US-PATENT-CLASS-260-47CP	c 27	N78-32261* #	US-PATENT-CLASS-264-118	c 24	N80-26388* #
US-PATENT-CLASS-260-2 5B	c 24	N78-24290* #	US-PATENT-CLASS-260-47UP	c 06	N73-32029* #	US-PATENT-CLASS-264-119	c 24	N80-26388* #
US-PATENT-CLASS-260-2 5EP	c 24	N78-24290* #	US-PATENT-CLASS-260-47	c 06	N71-28620* #	US-PATENT-CLASS-264-124	c 24	N80-26388* #
US-PATENT-CLASS-260-2 5FP	c 06	N72-25147* #	US-PATENT-CLASS-260-47	c 06	N71-28807* #	US-PATENT-CLASS-264-129	c 37	N76-31524* #
US-PATENT-CLASS-260-2 5FP	c 27	N74-27037* #	US-PATENT-CLASS-260-485F	c 06	N73-30098* #	US-PATENT-CLASS-264-12	c 31	N83-35176* #
US-PATENT-CLASS-260-2 5FP	c 24	N78-24290* #	US-PATENT-CLASS-260-49	c 27	N78-32261* #	US-PATENT-CLASS-264-130	c 27	N78-32262* #
US-PATENT-CLASS-260-2 5F	c 18	N73-13562* #	US-PATENT-CLASS-260-520	c 23	N75-30256* #	US-PATENT-CLASS-264-135	c 37	N74-18126* #
US-PATENT-CLASS-260-2 5L	c 27	N74-12814* #	US-PATENT-CLASS-260-535H	c 06	N72-27144* #	US-PATENT-CLASS-264-136	c 37	N74-18126* #
US-PATENT-CLASS-260-2 5N	c 24	N78-15180* #	US-PATENT-CLASS-260-53	c 27	N79-28307* #	US-PATENT-CLASS-264-137	c 27	N79-33316* #
US-PATENT-CLASS-260-2 5N	c 27	N78-31232* #	US-PATENT-CLASS-260-544F	c 06	N72-20121* #	US-PATENT-CLASS-264-137	c 27	N81-14078* #
US-PATENT-CLASS-260-2 5R	c 27	N74-27037* #	US-PATENT-CLASS-260-551P	c 27	N78-32256* #	US-PATENT-CLASS-264-137	c 27	N81-29229* #
US-PATENT-CLASS-260-2 5R	c 24	N78-15180* #	US-PATENT-CLASS-260-566B	c 27	N76-32315* #	US-PATENT-CLASS-264-137	c 27	N83-34041* #
US-PATENT-CLASS-260-2 5	c 06	N71-11242* #	US-PATENT-CLASS-260-567 6M	c 06	N73-32029* #	US-PATENT-CLASS-264-145	c 15	N79-26100* #
US-PATENT-CLASS-260-2 5	c 06	N71-24739* #	US-PATENT-CLASS-260-571	c 23	N76-15268* #	US-PATENT-CLASS-264-151	c 15	N79-26100* #
US-PATENT-CLASS-260-2 5	c 06	N71-25929* #	US-PATENT-CLASS-260-606-5P	c 27	N78-32256* #	US-PATENT-CLASS-264-157	c 24	N78-17150* #
US-PATENT-CLASS-260-2 5	c 18	N71-26155* #	US-PATENT-CLASS-260-615	c 06	N71-27254* #	US-PATENT-CLASS-264-161	c 37	N76-31524* #
US-PATENT-CLASS-260-2 5	c 06	N72-25150* #	US-PATENT-CLASS-260-615	c 06	N73-30101* #	US-PATENT-CLASS-264-175	c 15	N79-26100* #
US-PATENT-CLASS-260-2P	c 27	N78-32256* #	US-PATENT-CLASS-260-63N	c 27	N78-31232* #	US-PATENT-CLASS-264-184	c 27	N78-32262* #
US-PATENT-CLASS-260-2R	c 37	N74-18126* #	US-PATENT-CLASS-260-63N	c 27	N78-32261* #	US-PATENT-CLASS-264-1	c 44	N79-24432* #
US-PATENT-CLASS-260-2R	c 27	N74-27037* #	US-PATENT-CLASS-260-63R	c 27	N78-32261* #	US-PATENT-CLASS-264-211	c 27	N78-32262* #
US-PATENT-CLASS-260-2R	c 27	N78-15276* #	US-PATENT-CLASS-260-65	c 06	N73-27980* #	US-PATENT-CLASS-264-212	c 27	N80-32516* #
US-PATENT-CLASS-260-211 5	c 06	N72-25149* #	US-PATENT-CLASS-260-65	c 27	N78-32261* #	US-PATENT-CLASS-264-216	c 25	N82-21268* #
US-PATENT-CLASS-260-240G	c 27	N78-32315* #	US-PATENT-CLASS-260-65	c 23	N82-29358* #	US-PATENT-CLASS-264-217	c 25	N75-12087* #
US-PATENT-CLASS-260-28 5	c 27	N78-33228* #	US-PATENT-CLASS-260-67	c 27	N78-17214* #	US-PATENT-CLASS-264-219	c 37	N76-31524* #
US-PATENT-CLASS-260-29 1R	c 24	N78-24290* #	US-PATENT-CLASS-260-67	c 27	N79-21191* #	US-PATENT-CLASS-264-220	c 27	N82-28440* #
US-PATENT-CLASS-260-29 6RB	c 25	N81-19242* #	US-PATENT-CLASS-260-72 5	c 06	N71-11236* #	US-PATENT-CLASS-264-221	c 15	N72-16329* #
US-PATENT-CLASS-260-29 6S	c 27	N74-17283* #	US-PATENT-CLASS-260-72 5	c 06	N71-11239* #	US-PATENT-CLASS-264-225	c 15	N72-16329* #
US-PATENT-CLASS-260-29 6	c 26	N75-27125* #	US-PATENT-CLASS-260-72 5	c 06	N71-24740* #	US-PATENT-CLASS-264-227	c 15	N72-16329* #
US-PATENT-CLASS-260-2	c 06	N71-11243* #	US-PATENT-CLASS-260-75NN	c 27	N78-17213* #	US-PATENT-CLASS-264-229	c 24	N81-29163* #
US-PATENT-CLASS-260-2	c 06	N71-20717* #	US-PATENT-CLASS-260-75NK	c 27	N78-17213* #	US-PATENT-CLASS-264-22	c 15	N72-20446* #
US-PATENT-CLASS-260-2	c 06	N71-20905* #	US-PATENT-CLASS-260-75NT	c 27	N78-17213* #	US-PATENT-CLASS-264-22	c 14	N72-22439* #
US-PATENT-CLASS-260-2	c 06	N71-27363* #	US-PATENT-CLASS-260-77 5AM	c 27	N78-17213* #	US-PATENT-CLASS-264-22	c 25	N75-12087* #
US-PATENT-CLASS-260-2	c 06	N73-30102* #	US-PATENT-CLASS-260-77 5AN	c 27	N78-17213* #	US-PATENT-CLASS-264-22	c 27	N80-32516* #
US-PATENT-CLASS-260-2	c 27	N79-21190* #	US-PATENT-CLASS-260-77 5AP	c 06	N72-27144* #	US-PATENT-CLASS-264-22	c 37	N82-28440* #
US-PATENT-CLASS-260-30 2	c 06	N73-27980* #	US-PATENT-CLASS-260-77 5AP	c 06	N73-33076* #	US-PATENT-CLASS-264-230	c 27	N82-24491* #
US-PATENT-CLASS-260-30 4N	c 27	N78-17205* #	US-PATENT-CLASS-260-77 5AP	c 27	N77-31308* #	US-PATENT-CLASS-264-231	c 24	N81-29163* #
US-PATENT-CLASS-260-30 80S	c 06	N73-27980* #	US-PATENT-CLASS-260-77 5AP	c 27	N78-17213* #	US-PATENT-CLASS-264-236	c 27	N78-32262* #
US-PATENT-CLASS-260-307G	c 27	N79-22300* #	US-PATENT-CLASS-260-77 5AT	c 27	N78-17213* #	US-PATENT-CLASS-264-236	c 15	N79-26100* #
US-PATENT-CLASS-260-32 2R	c 27	N78-17205* #	US-PATENT-CLASS-260-77 5SP	c 27	N78-17213* #	US-PATENT-CLASS-264-23	c 71	N78-10837* #
US-PATENT-CLASS-260-32 6NT	c 27	N78-17205* #	US-PATENT-CLASS-260-77 5	c 06	N73-30099* #	US-PATENT-CLASS-264-23	c 31	N81-15154* #
US-PATENT-CLASS-260-32 6N	c 06	N73-27980* #	US-PATENT-CLASS-260-77 5	c 06	N73-30100* #	US-PATENT-CLASS-264-24	c 31	N81-33319* #
US-PATENT-CLASS-260-32 6N	c 23	N76-15268* #	US-PATENT-CLASS-260-77 5	c 06	N73-30103* #	US-PATENT-CLASS-264-24	c 31	N83-35176* #
US-PATENT-CLASS-260-32 8N	c 23	N76-15268* #	US-PATENT-CLASS-260-78 41	c 27	N78-31232* #	US-PATENT-CLASS-264-257	c 37	N74-18126* #
US-PATENT-CLASS-260-326N	c 27	N81-17260* #	US-PATENT-CLASS-260-78TF	c 06	N73-27980* #	US-PATENT-CLASS-264-258	c 24	N81-29163* #
US-PATENT-CLASS-260-326S	c 27	N81-17260* #	US-PATENT-CLASS-260-78TF	c 27	N74-23125* #	US-PATENT-CLASS-264-258	c 27	N83-34041* #
US-PATENT-CLASS-260-33 4R	c 06	N73-27980* #	US-PATENT-CLASS-260-78TF	c 23	N75-30256* #	US-PATENT-CLASS-264-259	c 24	N81-29163* #
US-PATENT-CLASS-260-33 4R	c 27	N78-17205* #	US-PATENT-CLASS-260-78TF	c 23	N76-15268* #	US-PATENT-CLASS-264-267	c 37	N76-24575* #
US-PATENT-CLASS-260-33 4R	c 27	N81-19296* #	US-PATENT-CLASS-260-78TF	c 27	N78-32261* #	US-PATENT-CLASS-264-27	c 26	N71-17818* #
US-PATENT-CLASS-260-33 6EP	c 24	N78-27180* #	US-PATENT-CLASS-260-78UA	c 06	N73-27980* #	US-PATENT-CLASS-264-28	c 15	N73-12489* #
US-PATENT-CLASS-260-33 6PQ	c 24	N78-27180* #	US-PATENT-CLASS-260-78	c 06	N71-11235* #	US-PATENT-CLASS-264-294	c 31	N74-13177* #
US-PATENT-CLASS-260-33 6R	c 06	N73-27980* #	US-PATENT-CLASS-260-78	c 06	N71-11238* #	US-PATENT-CLASS-264-3	c 28	N77-10213* #
US-PATENT-CLASS-260-33 6UB	c 27	N81-15104* #	US-PATENT-CLASS-260-830S	c 15	N79-26100* #	US-PATENT-CLASS-264-3R	c 20	N77-17143* #
US-PATENT-CLASS-260-33 8EP	c 24	N78-27180* #	US-PATENT-CLASS-260-85 5	c 06	N71-23500* #	US-PATENT-CLASS-264-304	c 37	N76-31524* #
US-PATENT-CLASS-260-33 8F	c 27	N76-24405* #	US-PATENT-CLASS-260-858	c 27	N81-14076* #	US-PATENT-CLASS-264-305	c 37	N76-31524* #
US-PATENT-CLASS-260-33 8F	c 25	N81-14016* #	US-PATENT-CLASS-260-877	c 06	N72-22107* #	US-PATENT-CLASS-264-308	c 37	N76-31524* #
US-PATENT-CLASS-260-33 8UA	c 24	N78-27180* #	US-PATENT-CLASS-260-879	c 27	N76-16228* #	US-PATENT-CLASS-264-310	c 37	N76-31524* #
US-PATENT-CLASS-260-340 9R	c 23	N82-16174* #	US-PATENT-CLASS-260-886	c 27	N81-14076* #	US-PATENT-CLASS-264-311	c 24	N81-29163* #
US-PATENT-CLASS-260-346 3	c 23	N75-30256* #	US-PATENT-CLASS-260-8900	c 27	N81-14076* #	US-PATENT-CLASS-264-318	c 37	N76-31524* #
US-PATENT-CLASS-260-346 3	c 23	N76-15268* #	US-PATENT-CLASS-260-895	c 27	N81-14076* #	US-PATENT-CLASS-264-331 46	c 27	N83-34041* #
US-PATENT-CLASS-260-346 3	c 27	N80-32515* #	US-PATENT-CLASS-260-898	c 27	N81-14076* #	US-PATENT-CLASS-264-331	c 27	N76-16230* #
US-PATENT-CLASS-260-348SC	c 06	N72-25148* #	US-PATENT-CLASS-260-900	c 27	N76-16228* #	US-PATENT-CLASS-264-332	c 37	N81-25371* #
US-PATENT-CLASS-260-37EP	c 24	N78-24290* #	US-PATENT-CLASS-260-901	c 27	N81-14076* #	US-PATENT-CLASS-264-334	c 37	N76-31524* #
US-PATENT-CLASS-260-37EP	c 24	N78-27180* #	US-PATENT-CLASS-260-92 1	c 06	N72-25150* #	US-PATENT-CLASS-264-33	c 44	N79-24432* #
US-PATENT-CLASS-260-37EP	c 15	N79-26100* #	US-PATENT-CLASS-260-92 1	c 06	N72-25152* #	US-PATENT-CLASS-264-342R	c 37	N82-24491* #
US-PATENT-CLASS-260-37EP	c 27	N81-17260* #	US-PATENT-CLASS-260-92 1	c 27	N76-16228* #	US-PATENT-CLASS-264-345	c 71	N78-10837* #
US-PATENT-CLASS-260-37N	c 27	N79-28307* #	US-PATENT-CLASS-260-92 1	c 27	N76-24405* #	US-PATENT-CLASS-264-34	c 44	N79-24432* #
US-PATENT-CLASS-260-37	c 18	N71-25881* #	US-PATENT-CLASS-260-926	c 27	N80-10358* #	US-PATENT-CLASS-264-35	c 44	N79-24432* #
US-PATENT-CLASS-260-37	c 27	N81-24258* #	US-PATENT-CLASS-260-93 5A	c 06	N73-32029* #	US-PATENT-CLASS-264-36	c 15	N73-12489* #
US-PATENT-CLASS-260-386	c 25	N82-24312* #	US-PATENT-CLASS-260-93 5S	c 06	N73-32029* #	US-PATENT-CLASS-264-36	c 32	N74-27612* #
US-PATENT-CLASS-260-389	c 25	N82-24312* #	US-PATENT-CLASS-260-94 2M	c 06	N73-32029* #	US-PATENT-CLASS-264-3	c 28	N71-26779* #
US-PATENT-CLASS-260-396N	c 27	N74-27037* #	US-PATENT-CLASS-260-94 2R	c 06	N73-32029* #	US-PATENT-CLASS-264-40 4	c 35	N80-18357* #
US-PATENT-CLASS-260-404 5	c 18	N71-15688* #	US-PATENT-CLASS-260-94 7R	c 06	N73-32029* #	US-PATENT-CLASS-264-40	c 15	N73-12489* #
US-PATENT-CLASS-260-42 17	c 27	N78-17215* #	US-PATENT-CLASS-260-94 8	c 27	N73-22710* #	US-PATENT-CLASS-264-41	c 25	N81-19244* #
US-PATENT-CLASS-260-42 43	c 24	N78-27180* #	US-PATENT-CLASS-260-959	c 27	N78-32256* #	US-PATENT-CLASS-264-453	c 25	N82-21268* #
US-PATENT-CLASS-260-429	c 06	N71-28808* #	US-PATENT-CLASS-260-96D	c 28	N81-15119* #	US-PATENT-CLASS-264-510	c 44	N79-24432* #
US-PATENT-CLASS-260-42	c 27	N79-28307* #	US-PATENT-CLASS-261-DIG 75	c 34	N77-24423* #	US-PATENT-CLASS-264-516	c 44	N79-24432* #
US-PATENT-CLASS-260-448 2D	c 06	N72-25151* #	US-PATENT-CLASS-261-118	c 31	N80-18231* #	US-PATENT-CLASS-264-53	c 25	N82-21268* #
US-PATENT-CLASS-260-448 2D	c 06	N73-32030* #	US-PATENT-CLASS-261-123	c 34	N77-24423* #	US-PATENT-CLASS-264-5	c 31	N81-33319* #
US-PATENT-CLASS-260-448 2N	c 37	N74-21058* #	US-PATENT-CLASS-261-145	c 28	N72-22772* #	US-PATENT-CLASS-264-5	c 27	N82-28442* #
US-PATENT-CLASS-260-448 2	c 06	N71-23230* #	US-PATENT-CLASS-261-28	c 07	N81-29129* #	US-PATENT-CLASS-264-5	c 31	N83-31896* #
US-PATENT-CLASS-260-45 7R	c 24	N78-27180* #	US-PATENT-CLASS-261-79A	c 54	N81-24724* #	US-PATENT-CLASS-264-5	c 31	N83-35176* #
US-PATENT-CLASS-260-45 7R								

US-PATENT-CLASS-264-66

REPORT NUMBER INDEX

US-PATENT-CLASS-264-66	c 27	N76-22376* #	US-PATENT-CLASS-285-DIG 21	c 33	N73-26958* #	US-PATENT-CLASS-29-271	c 15	N70-41371* #
US-PATENT-CLASS-264-70	c 44	N79-24432* #	US-PATENT-CLASS-285-114	c 37	N75-19686* #	US-PATENT-CLASS-29-278R	c 15	N71-29133* #
US-PATENT-CLASS-264-71	c 44	N79-24432* #	US-PATENT-CLASS-285-159	c 37	N82-24494* #	US-PATENT-CLASS-29-400	c 05	N71-12345* #
US-PATENT-CLASS-264-90	c 24	N78-17150* #	US-PATENT-CLASS-285-18	c 15	N72-20445* #	US-PATENT-CLASS-29-412	c 15	N72-20444* #
US-PATENT-CLASS-264-92	c 15	N71-17803* #	US-PATENT-CLASS-285-192	c 20	N78-24275* #	US-PATENT-CLASS-29-419	c 24	N75-28135* #
US-PATENT-CLASS-264-92	c 15	N72-24522* #	US-PATENT-CLASS-285-226	c 37	N75-19686* #	US-PATENT-CLASS-29-420 5	c 26	N74-10521* #
US-PATENT-CLASS-264-92	c 31	N81-33319* #	US-PATENT-CLASS-285-226	c 37	N76-14460* #	US-PATENT-CLASS-29-420 5	c 37	N74-13179* #
US-PATENT-CLASS-264-9	c 31	N83-31896* #	US-PATENT-CLASS-285-235	c 54	N78-31735* #	US-PATENT-CLASS-29-420 5	c 37	N75-26371* #
US-PATENT-CLASS-264-119	c 26	N80-28492* #	US-PATENT-CLASS-285-235	c 54	N79-24651* #	US-PATENT-CLASS-29-420	c 24	N75-13032* #
US-PATENT-CLASS-266-19	c 15	N70-33382* #	US-PATENT-CLASS-285-24	c 15	N71-10782* #	US-PATENT-CLASS-29-421E	c 37	N79-13364* #
US-PATENT-CLASS-266-249	c 26	N80-28492* #	US-PATENT-CLASS-285-265	c 37	N76-14460* #	US-PATENT-CLASS-29-421	c 15	N71-29018* #
US-PATENT-CLASS-266-24	c 17	N72-28535* #	US-PATENT-CLASS-285-27	c 15	N70-41808* #	US-PATENT-CLASS-29-421	c 14	N72-22439* #
US-PATENT-CLASS-266-274	c 26	N80-28492* #	US-PATENT-CLASS-285-314	c 15	N71-24903* #	US-PATENT-CLASS-29-421	c 37	N76-14461* #
US-PATENT-CLASS-267-166	c 34	N74-18552* #	US-PATENT-CLASS-285-316	c 15	N72-25450* #	US-PATENT-CLASS-29-423	c 15	N70-36409* #
US-PATENT-CLASS-267-1	c 15	N69-27504* #	US-PATENT-CLASS-285-316	c 33	N73-26958* #	US-PATENT-CLASS-29-423	c 31	N74-21059* #
US-PATENT-CLASS-267-1	c 15	N70-38225* #	US-PATENT-CLASS-285-317	c 15	N71-24903* #	US-PATENT-CLASS-29-426	c 15	N72-20444* #
US-PATENT-CLASS-267-64	c 15	N71-21530* #	US-PATENT-CLASS-285-326	c 37	N79-11402* #	US-PATENT-CLASS-29-428	c 15	N71-17686* #
US-PATENT-CLASS-269-152	c 18	N83-29303* #	US-PATENT-CLASS-285-331	c 15	N70-41629* #	US-PATENT-CLASS-29-432	c 37	N76-19437* #
US-PATENT-CLASS-269-153	c 44	N79-19447* #	US-PATENT-CLASS-285-333	c 15	N72-25450* #	US-PATENT-CLASS-29-433	c 37	N76-19437* #
US-PATENT-CLASS-269-156	c 37	N80-14398* #	US-PATENT-CLASS-285-345	c 15	N72-20445* #	US-PATENT-CLASS-29-446	c 37	N83-36482* #
US-PATENT-CLASS-269-21	c 37	N76-21554* #	US-PATENT-CLASS-285-359	c 37	N79-11402* #	US-PATENT-CLASS-29-447	c 37	N77-23482* #
US-PATENT-CLASS-269-21	c 37	N78-17383* #	US-PATENT-CLASS-285-37	c 37	N82-24490* #	US-PATENT-CLASS-29-452	c 15	N73-30457* #
US-PATENT-CLASS-269-21	c 37	N78-27423* #	US-PATENT-CLASS-285-38	c 15	N71-24903* #	US-PATENT-CLASS-29-458	c 26	N83-10170* #
US-PATENT-CLASS-269-21	c 76	N80-18951* #	US-PATENT-CLASS-285-3	c 15	N69-27490* #	US-PATENT-CLASS-29-460	c 37	N74-11301* #
US-PATENT-CLASS-269-21	c 37	N81-33482* #	US-PATENT-CLASS-285-3	c 15	N72-25450* #	US-PATENT-CLASS-29-460	c 37	N75-13261* #
US-PATENT-CLASS-269-242	c 18	N83-29303* #	US-PATENT-CLASS-285-401	c 37	N82-24494* #	US-PATENT-CLASS-29-463	c 07	N78-33101* #
US-PATENT-CLASS-269-244	c 18	N83-29303* #	US-PATENT-CLASS-285-406	c 15	N71-24903* #	US-PATENT-CLASS-29-467	c 39	N76-31562* #
US-PATENT-CLASS-269-266	c 37	N78-27423* #	US-PATENT-CLASS-285-410	c 05	N72-11085* #	US-PATENT-CLASS-29-470 1	c 37	N74-21057* #
US-PATENT-CLASS-269-287	c 37	N80-23655* #	US-PATENT-CLASS-285-45	c 15	N71-28937* #	US-PATENT-CLASS-29-470 1	c 37	N75-12326* #
US-PATENT-CLASS-269-48 1	c 39	N74-13131* #	US-PATENT-CLASS-285-89	c 37	N82-24494* #	US-PATENT-CLASS-29-472 7	c 37	N75-15992* #
US-PATENT-CLASS-27-498	c 15	N73-28515* #	US-PATENT-CLASS-287-119	c 15	N70-41829* #	US-PATENT-CLASS-29-472 9	c 15	N69-39786* #
US-PATENT-CLASS-272-DIG 1	c 05	N73-32014* #	US-PATENT-CLASS-287-189 365	c 15	N71-26312* #	US-PATENT-CLASS-29-472 9	c 26	N71-16037* #
US-PATENT-CLASS-272-DIG 4	c 05	N73-32014* #	US-PATENT-CLASS-287-189 36	c 15	N71-10799* #	US-PATENT-CLASS-29-473 1	c 15	N72-22492* #
US-PATENT-CLASS-272-DIG 5	c 05	N73-32014* #	US-PATENT-CLASS-287-54A	c 11	N72-25287* #	US-PATENT-CLASS-29-473 1	c 15	N72-22492* #
US-PATENT-CLASS-272-1R	c 09	N75-15662* #	US-PATENT-CLASS-287-85R	c 15	N73-12488* #	US-PATENT-CLASS-29-473 1	c 37	N75-15992* #
US-PATENT-CLASS-272-57A	c 09	N75-15662* #	US-PATENT-CLASS-287-92	c 31	N73-32749* #	US-PATENT-CLASS-29-475	c 37	N75-12326* #
US-PATENT-CLASS-272-70	c 05	N71-28619* #	US-PATENT-CLASS-29-DIG 1	c 44	N81-14389* #	US-PATENT-CLASS-29-482	c 05	N72-25121* #
US-PATENT-CLASS-272-73	c 14	N73-27377* #	US-PATENT-CLASS-29-DIG 24	c 24	N73-33181* #	US-PATENT-CLASS-29-482	c 37	N74-18128* #
US-PATENT-CLASS-272-73	c 37	N73-27941* #	US-PATENT-CLASS-29-DIG 35	c 37	N77-23482* #	US-PATENT-CLASS-29-487	c 15	N73-33383* #
US-PATENT-CLASS-272-73	c 37	N74-18127* #	US-PATENT-CLASS-29-DIG 39	c 24	N75-33181* #	US-PATENT-CLASS-29-487	c 37	N74-21055* #
US-PATENT-CLASS-272-79C	c 05	N73-32014* #	US-PATENT-CLASS-29-125	c 37	N79-10422* #	US-PATENT-CLASS-29-488	c 15	N70-33311* #
US-PATENT-CLASS-272-80	c 37	N74-18127* #	US-PATENT-CLASS-29-148 4A	c 37	N74-15128* #	US-PATENT-CLASS-29-488	c 37	N74-18128* #
US-PATENT-CLASS-273-1E	c 05	N73-13114* #	US-PATENT-CLASS-29-148 4B	c 37	N74-15128* #	US-PATENT-CLASS-29-492	c 15	N71-20443* #
US-PATENT-CLASS-273-240	c 31	N83-34073* #	US-PATENT-CLASS-29-148 4	c 15	N71-16052* #	US-PATENT-CLASS-29-492	c 09	N72-25261* #
US-PATENT-CLASS-274-4R	c 09	N72-11224* #	US-PATENT-CLASS-29-155 55	c 15	N71-17688* #	US-PATENT-CLASS-29-494	c 15	N73-33383* #
US-PATENT-CLASS-277-105	c 37	N82-24490* #	US-PATENT-CLASS-29-156 8R	c 37	N78-24544* #	US-PATENT-CLASS-29-494	c 37	N74-21055* #
US-PATENT-CLASS-277-134	c 37	N75-21631* #	US-PATENT-CLASS-29-157 3R	c 74	N83-19598* #	US-PATENT-CLASS-29-495	c 37	N75-13261* #
US-PATENT-CLASS-277-134	c 07	N78-25090* #	US-PATENT-CLASS-29-157 3R	c 34	N74-18552* #	US-PATENT-CLASS-29-495	c 15	N71-21078* #
US-PATENT-CLASS-277-134	c 15	N71-26294* #	US-PATENT-CLASS-29-157 3	c 28	N70-41818* #	US-PATENT-CLASS-29-497 5	c 15	N73-28515* #
US-PATENT-CLASS-277-153	c 37	N80-28711* #	US-PATENT-CLASS-29-157	c 28	N71-15658* #	US-PATENT-CLASS-29-497 5	c 15	N73-33383* #
US-PATENT-CLASS-277-153	c 37	N81-15363* #	US-PATENT-CLASS-29-182 1	c 18	N71-23710* #	US-PATENT-CLASS-29-497 5	c 37	N74-11300* #
US-PATENT-CLASS-277-181	c 37	N82-16408* #	US-PATENT-CLASS-29-182 2	c 17	N71-23046* #	US-PATENT-CLASS-29-497 5	c 37	N75-13261* #
US-PATENT-CLASS-277-189	c 37	N79-22474* #	US-PATENT-CLASS-29-182 2	c 37	N75-26371* #	US-PATENT-CLASS-29-497	c 09	N72-25261* #
US-PATENT-CLASS-277-192	c 37	N80-28711* #	US-PATENT-CLASS-29-182 5	c 17	N72-28536* #	US-PATENT-CLASS-29-497	c 15	N73-32358* #
US-PATENT-CLASS-277-193	c 37	N81-26447* #	US-PATENT-CLASS-29-182 5	c 37	N75-26371* #	US-PATENT-CLASS-29-498	c 37	N74-18128* #
US-PATENT-CLASS-277-193	c 37	N82-24490* #	US-PATENT-CLASS-29-182 5	c 27	N77-15311* #	US-PATENT-CLASS-29-498	c 09	N72-25261* #
US-PATENT-CLASS-277-1	c 37	N82-24490* #	US-PATENT-CLASS-29-182	c 27	N77-13217* #	US-PATENT-CLASS-29-498	c 15	N73-33383* #
US-PATENT-CLASS-277-204	c 37	N80-28711* #	US-PATENT-CLASS-29-182	c 37	N74-13179* #	US-PATENT-CLASS-29-498	c 37	N74-11301* #
US-PATENT-CLASS-277-224	c 37	N81-15363* #	US-PATENT-CLASS-29-182	c 34	N76-27515* #	US-PATENT-CLASS-29-498	c 37	N74-18128* #
US-PATENT-CLASS-277-229	c 15	N69-21362* #	US-PATENT-CLASS-29-183 5	c 17	N70-38490* #	US-PATENT-CLASS-29-502	c 37	N74-21055* #
US-PATENT-CLASS-277-25	c 15	N71-19570* #	US-PATENT-CLASS-29-193	c 34	N76-27515* #	US-PATENT-CLASS-29-502	c 09	N72-25261* #
US-PATENT-CLASS-277-25	c 15	N72-29488* #	US-PATENT-CLASS-29-194	c 26	N75-19408* #	US-PATENT-CLASS-29-503	c 37	N74-11301* #
US-PATENT-CLASS-277-25	c 37	N74-10474* #	US-PATENT-CLASS-29-194	c 44	N76-14595* #	US-PATENT-CLASS-29-504	c 37	N74-21055* #
US-PATENT-CLASS-277-25	c 07	N78-25090* #	US-PATENT-CLASS-29-195A	c 27	N76-16229* #	US-PATENT-CLASS-29-504	c 37	N75-13261* #
US-PATENT-CLASS-277-27	c 15	N72-29488* #	US-PATENT-CLASS-29-195Y	c 14	N73-32320* #	US-PATENT-CLASS-29-517	c 15	N71-17650* #
US-PATENT-CLASS-277-27	c 37	N74-10474* #	US-PATENT-CLASS-29-195	c 44	N76-14595* #	US-PATENT-CLASS-29-521	c 26	N83-10170* #
US-PATENT-CLASS-277-27	c 37	N74-15125* #	US-PATENT-CLASS-29-196 2	c 17	N73-32414* #	US-PATENT-CLASS-29-526	c 37	N76-19437* #
US-PATENT-CLASS-277-27	c 37	N75-21631* #	US-PATENT-CLASS-29-196 2	c 26	N75-19408* #	US-PATENT-CLASS-29-526	c 39	N76-31562* #
US-PATENT-CLASS-277-27	c 37	N82-12442* #	US-PATENT-CLASS-29-196 6	c 17	N73-32414* #	US-PATENT-CLASS-29-527 2	c 15	N72-20444* #
US-PATENT-CLASS-277-2	c 37	N82-24490* #	US-PATENT-CLASS-29-196 6	c 37	N75-13261* #	US-PATENT-CLASS-29-527 2	c 15	N73-32360* #
US-PATENT-CLASS-277-40	c 37	N75-21631* #	US-PATENT-CLASS-29-197	c 26	N75-19408* #	US-PATENT-CLASS-29-527 2	c 37	N74-11301* #
US-PATENT-CLASS-277-40	c 37	N82-12442* #	US-PATENT-CLASS-29-197	c 17	N73-32414* #	US-PATENT-CLASS-29-527 2	c 24	N75-33181* #
US-PATENT-CLASS-277-41	c 37	N76-22541* #	US-PATENT-CLASS-29-197	c 37	N75-13261* #	US-PATENT-CLASS-29-527 2	c 24	N77-19171* #
US-PATENT-CLASS-277-4	c 37	N76-22541* #	US-PATENT-CLASS-29-197	c 26	N75-19408* #	US-PATENT-CLASS-29-57-4	c 44	N79-24431* #
US-PATENT-CLASS-277-4	c 37	N82-24490* #	US-PATENT-CLASS-29-198	c 44	N76-14595* #	US-PATENT-CLASS-29-570	c 26	N72-28761* #
US-PATENT-CLASS-277-59	c 37	N82-24490* #	US-PATENT-CLASS-29-198	c 17	N70-33288* #	US-PATENT-CLASS-29-571	c 35	N75-13213* #
US-PATENT-CLASS-277-62	c 37	N79-22475* #	US-PATENT-CLASS-29-203H	c 09	N72-25259* #	US-PATENT-CLASS-29-571	c 33	N81-26360* #
US-PATENT-CLASS-277-72R	c 37	N82-24490* #	US-PATENT-CLASS-29-203MW	c 37	N74-32918* #	US-PATENT-CLASS-29-572	c 33	N81-26360* #
US-PATENT-CLASS-277-74	c 15	N72-29488* #	US-PATENT-CLASS-29-203V	c 33	N74-26977* #	US-PATENT-CLASS-29-572	c 09	N71-23027* #
US-PATENT-CLASS-277-74	c 37	N76-22541* #	US-PATENT-CLASS-29-23 5	c 15	N73-14468* #	US-PATENT-CLASS-29-572	c 03	N71-24681* #
US-PATENT-CLASS-277-81R	c 37	N82-16408* #	US-PATENT-CLASS-29-234	c 37	N78-24544* #	US-PATENT-CLASS-29-572	c 03	N72-22041* #
US-PATENT-CLASS-277-93R	c 37	N74-15125* #	US-PATENT-CLASS-29-244	c 15	N70-36901* #	US-PATENT-CLASS-29-572	c 44	N74-1784* #
US-PATENT-CLASS-277-93R	c 37	N76-22541* #	US-PATENT-CLASS-29-25 14	c 37	N78-24544* #	US-PATENT-CLASS-29-572	c 44	N76-14600* #
US-PATENT-CLASS-277-96 1	c 37	N82-12442* #	US-PATENT-CLASS-29-25 18	c 05	N72-25121* #	US-PATENT-CLASS-29-572	c 44	N76-28635* #
US-PATENT-CLASS-277-96 1	c 37	N79-22475* #	US-PATENT-CLASS-29-25 18	c 35	N82-24471* #	US-PATENT-CLASS-29-572	c 44	N77-10635* #
US-PATENT-CLASS-277-96	c 37	N74-10474* #	US-PATENT-CLASS-29-25 18	c 09	N71-26678* #	US-PATENT-CLASS-29-572	c 44	N78-24609* #
US-PATENT-CLASS-279-107	c 37	N81-24442* #	US-PATENT-CLASS-29-25 18	c 05	N72-25121* #	US-PATENT-CLASS-29-572	c 44	N78-25527* #
US-PATENT-CLASS-279-107	c 37	N75-33395* #	US-PATENT-CLASS-29-25 18	c 20	N75-18310* #	US-PATENT-CLASS-29-572	c 44	N78-25528* #
US-PATENT-CLASS-279-3	c 37	N75-33395* #	US-PATENT-CLASS-29-25 35	c 20	N76-21276* #	US-PATENT-CLASS-29-572	c 44	N78-25529* #
US-PATENT-CLASS-279-89	c 37	N78-17383* #	US-PATENT-CLASS-29-25 42	c 35	N80-20559* #	US-PATENT-CLASS-29-572	c 44	N79-11468* #
US-PATENT-CLASS-280-150SB	c 37	N75-33395* #	US-PATENT-CLASS-29-252	c 26	N72-28762* #	US-PATENT-CLASS-29-572	c 44	N79-11472* #
US-PATENT-CLASS-280-432	c 05	N75-25915* #	US-PATENT-CLASS-29-26A	c 37	N78-24544* #	US-PATENT-CLASS-29-572	c 44	N79-17314* #
US-PATENT-CLASS-280-805	c 37	N77-14477* #	US-PATENT-CLASS-29-267	c 37	N75-33395* #	US-PATENT-CLASS-29-572	c 44	N79-18444* #
US-PATENT-CLASS-285-DIG 21	c 37	N82-18601* #		c 60	N82-24839* #	US-PATENT-CLASS-29-572	c 44	N79-24431* #
	c 15	N72-25450* #		c 37	N74-32918* #		c 44	N79-26475* #

REPORT NUMBER INDEX

US-PATENT-CLASS-307-305

US-PATENT-CLASS-29-572	c 44	N79-31752* #	US-PATENT-CLASS-299-20	c 43	N81-26509* #	US-PATENT-CLASS-307-234	c 08	N71-29138*
US-PATENT-CLASS-29-572	c 44	N80-14474* #	US-PATENT-CLASS-299-67	c 46	N74-23068* #	US-PATENT-CLASS-307-235R	c 33	N75-18479* #
US-PATENT-CLASS-29-572	c 44	N82-28780* #	US-PATENT-CLASS-299-86	c 46	N74-23069* #	US-PATENT-CLASS-307-235	c 10	N71-19471*
US-PATENT-CLASS-29-572	c 44	N82-29709* #	US-PATENT-CLASS-3-1 1	c 05	N73-32013* #	US-PATENT-CLASS-307-235	c 09	N71-23545*
US-PATENT-CLASS-29-572	c 44	N83-13579* #	US-PATENT-CLASS-3-1 1	c 52	N77-14738* #	US-PATENT-CLASS-307-235	c 10	N71-24862*
US-PATENT-CLASS-29-573	c 14	N73-13417* #	US-PATENT-CLASS-3-1 1	c 54	N79-24652* #	US-PATENT-CLASS-307-237	c 09	N72-22200* #
US-PATENT-CLASS-29-576J	c 35	N82-31659* #	US-PATENT-CLASS-3-1 2	c 52	N77-14735* #	US-PATENT-CLASS-307-237	c 32	N74-19788* #
US-PATENT-CLASS-29-576S	c 35	N82-31659* #	US-PATENT-CLASS-3-1 2	c 52	N78-10686* #	US-PATENT-CLASS-307-238	c 33	N75-31331* #
US-PATENT-CLASS-29-577	c 44	N79-26475* #	US-PATENT-CLASS-3-1 9	c 27	N78-17215* #	US-PATENT-CLASS-307-238	c 33	N77-21314* #
US-PATENT-CLASS-29-578	c 26	N72-17820* #	US-PATENT-CLASS-3-1 9	c 52	N79-26772* #	US-PATENT-CLASS-307-241	c 09	N72-22201* #
US-PATENT-CLASS-29-578	c 33	N78-27326* #	US-PATENT-CLASS-3-12 5	c 54	N78-17676* #	US-PATENT-CLASS-307-242	c 10	N73-13235* #
US-PATENT-CLASS-29-578	c 44	N79-18444* #	US-PATENT-CLASS-3-12 5	c 54	N79-24652* #	US-PATENT-CLASS-307-243	c 09	N71-12516* #
US-PATENT-CLASS-29-578	c 44	N79-26475* #	US-PATENT-CLASS-3-12	c 05	N73-32013* #	US-PATENT-CLASS-307-243	c 08	N72-22162* #
US-PATENT-CLASS-29-578	c 33	N81-26360* #	US-PATENT-CLASS-3-12	c 52	N79-26772* #	US-PATENT-CLASS-307-243	c 33	N74-22814* #
US-PATENT-CLASS-29-580	c 09	N73-27150* #	US-PATENT-CLASS-3-14	c 52	N77-14735* #	US-PATENT-CLASS-307-246	c 09	N71-27016* #
US-PATENT-CLASS-29-580	c 44	N79-26475* #	US-PATENT-CLASS-3-15	c 52	N78-10686* #	US-PATENT-CLASS-307-247	c 09	N71-29139*
US-PATENT-CLASS-29-580	c 33	N81-26360* #	US-PATENT-CLASS-3-1	c 52	N77-25772* #	US-PATENT-CLASS-307-247	c 09	N72-22202* #
US-PATENT-CLASS-29-588	c 14	N71-27334* #	US-PATENT-CLASS-3-21	c 54	N77-30749* #	US-PATENT-CLASS-307-251	c 09	N71-33109*
US-PATENT-CLASS-29-588	c 14	N72-31446* #	US-PATENT-CLASS-3-29	c 52	N78-10686* #	US-PATENT-CLASS-307-251	c 08	N72-22162* #
US-PATENT-CLASS-29-588	c 44	N74-14784* #	US-PATENT-CLASS-3-2	c 05	N73-32013* #	US-PATENT-CLASS-307-252F	c 09	N72-17153* #
US-PATENT-CLASS-29-588	c 44	N80-14474* #	US-PATENT-CLASS-3-2	c 54	N77-30749* #	US-PATENT-CLASS-307-252J	c 09	N72-17153* #
US-PATENT-CLASS-29-589	c 26	N72-17820* #	US-PATENT-CLASS-3-2	c 52	N79-26772* #	US-PATENT-CLASS-307-252J	c 09	N72-22201* #
US-PATENT-CLASS-29-589	c 09	N72-25261* #	US-PATENT-CLASS-3-6	c 05	N73-32013* #	US-PATENT-CLASS-307-252K	c 09	N72-22201* #
US-PATENT-CLASS-29-589	c 15	N73-14469* #	US-PATENT-CLASS-30-102	c 37	N82-26672* #	US-PATENT-CLASS-307-252L	c 33	N74-27682* #
US-PATENT-CLASS-29-589	c 44	N79-31752* #	US-PATENT-CLASS-30-228	c 15	N70-42017* #	US-PATENT-CLASS-307-252N	c 09	N72-23171* #
US-PATENT-CLASS-29-590	c 09	N72-22199* #	US-PATENT-CLASS-30-90 6	c 37	N79-10415* #	US-PATENT-CLASS-307-252Q	c 33	N74-27682* #
US-PATENT-CLASS-29-591	c 15	N73-14469* #	US-PATENT-CLASS-301-5P	c 37	N74-18129* #	US-PATENT-CLASS-307-252R	c 09	N72-23171* #
US-PATENT-CLASS-29-591	c 44	N79-18444* #	US-PATENT-CLASS-301-82	c 33	N79-10339* #	US-PATENT-CLASS-307-252UA	c 33	N81-27395* #
US-PATENT-CLASS-29-592	c 35	N75-13213* #	US-PATENT-CLASS-302-66	c 25	N79-11152* #	US-PATENT-CLASS-307-252	c 10	N69-39888* #
US-PATENT-CLASS-29-597	c 33	N77-26385* #	US-PATENT-CLASS-303-92	c 44	N79-14527* #	US-PATENT-CLASS-307-252	c 09	N71-12514* #
US-PATENT-CLASS-29-599	c 15	N72-25447* #	US-PATENT-CLASS-305-35EB	c 11	N73-26238* #	US-PATENT-CLASS-307-253	c 10	N71-27126* #
US-PATENT-CLASS-29-599	c 26	N73-26752* #	US-PATENT-CLASS-305-39	c 11	N73-26238* #	US-PATENT-CLASS-307-254	c 10	N71-24799*
US-PATENT-CLASS-29-599	c 06	N73-32571* #	US-PATENT-CLASS-307-103	c 09	N72-25262* #	US-PATENT-CLASS-307-254	c 09	N72-22200* #
US-PATENT-CLASS-29-603	c 08	N71-27210* #	US-PATENT-CLASS-307-104	c 09	N71-24892* #	US-PATENT-CLASS-307-257	c 09	N72-21247* #
US-PATENT-CLASS-29-604	c 24	N75-13032* #	US-PATENT-CLASS-307-106	c 09	N69-21468* #	US-PATENT-CLASS-307-259	c 09	N72-21247* #
US-PATENT-CLASS-29-610	c 24	N75-30260* #	US-PATENT-CLASS-307-118	c 09	N72-27227* #	US-PATENT-CLASS-307-259	c 09	N72-23171* #
US-PATENT-CLASS-29-613	c 24	N75-30260* #	US-PATENT-CLASS-307-119	c 33	N79-28415* #	US-PATENT-CLASS-307-259	c 10	N73-13235* #
US-PATENT-CLASS-29-613	c 35	N82-24470* #	US-PATENT-CLASS-307-126	c 14	N71-27407* #	US-PATENT-CLASS-307-260	c 09	N71-23311*
US-PATENT-CLASS-29-620	c 35	N82-31659* #	US-PATENT-CLASS-307-127	c 33	N74-14956* #	US-PATENT-CLASS-307-260	c 05	N71-23317*
US-PATENT-CLASS-29-622	c 33	N77-26385* #	US-PATENT-CLASS-307-136	c 09	N69-27500* #	US-PATENT-CLASS-307-260	c 33	N75-19515* #
US-PATENT-CLASS-29-623 5	c 44	N83-32176* #	US-PATENT-CLASS-307-141 8	c 03	N72-25020* #	US-PATENT-CLASS-307-261	c 09	N71-33109*
US-PATENT-CLASS-29-624	c 15	N72-20444* #	US-PATENT-CLASS-307-149	c 09	N71-13486* #	US-PATENT-CLASS-307-261	c 09	N72-25251* #
US-PATENT-CLASS-29-624	c 14	N73-13417* #	US-PATENT-CLASS-307-149	c 54	N75-12616* #	US-PATENT-CLASS-307-262	c 10	N72-16172* #
US-PATENT-CLASS-29-627	c 44	N80-14474* #	US-PATENT-CLASS-307-151	c 32	N78-24391* #	US-PATENT-CLASS-307-262	c 09	N72-22197* #
US-PATENT-CLASS-29-628	c 15	N72-22491* #	US-PATENT-CLASS-307-157	c 16	N73-32391* #	US-PATENT-CLASS-307-262	c 09	N72-33204* #
US-PATENT-CLASS-29-628	c 09	N72-25261* #	US-PATENT-CLASS-307-18	c 03	N73-31988* #	US-PATENT-CLASS-307-263	c 09	N71-23270*
US-PATENT-CLASS-29-628	c 09	N73-28083* #	US-PATENT-CLASS-307-18	c 33	N74-34638* #	US-PATENT-CLASS-307-263	c 09	N71-28926* #
US-PATENT-CLASS-29-628	c 33	N77-26385* #	US-PATENT-CLASS-307-204	c 35	N75-30504* #	US-PATENT-CLASS-307-265	c 09	N69-39987* #
US-PATENT-CLASS-29-628	c 44	N78-25528* #	US-PATENT-CLASS-307-205	c 33	N75-14957* #	US-PATENT-CLASS-307-265	c 10	N71-23029*
US-PATENT-CLASS-29-629	c 09	N73-28083* #	US-PATENT-CLASS-307-206	c 10	N72-22236* #	US-PATENT-CLASS-307-265	c 09	N71-28468*
US-PATENT-CLASS-29-630A	c 05	N72-25121* #	US-PATENT-CLASS-307-207	c 08	N71-29034* #	US-PATENT-CLASS-307-265	c 10	N71-28860*
US-PATENT-CLASS-29-630A	c 09	N73-28083* #	US-PATENT-CLASS-307-207	c 09	N73-13209* #	US-PATENT-CLASS-307-265	c 08	N71-29138*
US-PATENT-CLASS-29-630E	c 33	N77-26385* #	US-PATENT-CLASS-307-208	c 33	N75-14957* #	US-PATENT-CLASS-307-265	c 09	N71-29139*
US-PATENT-CLASS-29-630	c 09	N73-28083* #	US-PATENT-CLASS-307-211	c 35	N75-30504* #	US-PATENT-CLASS-307-265	c 33	N78-18308* #
US-PATENT-CLASS-29-739	c 44	N79-24431* #	US-PATENT-CLASS-307-215	c 10	N71-28860* #	US-PATENT-CLASS-307-267	c 09	N71-20447*
US-PATENT-CLASS-29-764	c 60	N82-24839* #	US-PATENT-CLASS-307-215	c 09	N71-29139*	US-PATENT-CLASS-307-267	c 33	N74-32711* #
US-PATENT-CLASS-29-809	c 44	N79-24431* #	US-PATENT-CLASS-307-215	c 10	N72-22236* #	US-PATENT-CLASS-307-267	c 33	N75-18479* #
US-PATENT-CLASS-29-81C	c 75	N78-27913* #	US-PATENT-CLASS-307-215	c 09	N73-13209* #	US-PATENT-CLASS-307-268	c 09	N69-24371* #
US-PATENT-CLASS-29-81D	c 37	N76-18454* #	US-PATENT-CLASS-307-215	c 33	N74-22814* #	US-PATENT-CLASS-307-269	c 60	N81-15706* #
US-PATENT-CLASS-29-832	c 44	N81-14389* #	US-PATENT-CLASS-307-216	c 08	N71-18751* #	US-PATENT-CLASS-307-270	c 33	N78-17294* #
US-PATENT-CLASS-290-40	c 03	N71-11057* #	US-PATENT-CLASS-307-219	c 35	N75-30504* #	US-PATENT-CLASS-307-271	c 10	N73-32145* #
US-PATENT-CLASS-290-52	c 37	N77-32500* #	US-PATENT-CLASS-307-219	c 60	N81-15706* #	US-PATENT-CLASS-307-273	c 10	N71-18723*
US-PATENT-CLASS-290-52	c 37	N77-32501* #	US-PATENT-CLASS-307-220	c 10	N73-26229* #	US-PATENT-CLASS-307-273	c 09	N71-27016*
US-PATENT-CLASS-290-53	c 44	N80-29834* #	US-PATENT-CLASS-307-221R	c 10	N73-20254* #	US-PATENT-CLASS-307-273	c 09	N71-28468*
US-PATENT-CLASS-292-DIG 14	c 37	N75-19685* #	US-PATENT-CLASS-307-221R	c 33	N76-14373* #	US-PATENT-CLASS-307-273	c 10	N71-28860*
US-PATENT-CLASS-292-108	c 37	N75-19685* #	US-PATENT-CLASS-307-222	c 09	N69-27463* #	US-PATENT-CLASS-307-273	c 09	N71-29139*
US-PATENT-CLASS-292-110	c 37	N77-32499* #	US-PATENT-CLASS-307-222	c 08	N71-29034* #	US-PATENT-CLASS-307-273	c 10	N72-20221* #
US-PATENT-CLASS-292-122	c 37	N75-19685* #	US-PATENT-CLASS-307-223B	c 09	N72-22201* #	US-PATENT-CLASS-307-280	c 33	N77-21314* #
US-PATENT-CLASS-294-1R	c 35	N76-16392* #	US-PATENT-CLASS-307-223	c 09	N72-17157* #	US-PATENT-CLASS-307-284	c 09	N72-22201* #
US-PATENT-CLASS-294-106	c 37	N81-14320* #	US-PATENT-CLASS-307-225R	c 33	N74-10223* #	US-PATENT-CLASS-307-288	c 09	N71-23015*
US-PATENT-CLASS-294-113	c 37	N80-14398* #	US-PATENT-CLASS-307-225R	c 33	N75-31330* #	US-PATENT-CLASS-307-288	c 09	N71-28468*
US-PATENT-CLASS-294-116	c 37	N75-33395* #	US-PATENT-CLASS-307-225R	c 33	N77-24375* #	US-PATENT-CLASS-307-288	c 10	N72-20221* #
US-PATENT-CLASS-294-116	c 37	N82-32731* #	US-PATENT-CLASS-307-225R	c 60	N81-15706* #	US-PATENT-CLASS-307-288	c 09	N72-22202* #
US-PATENT-CLASS-294-15	c 15	N71-29133* #	US-PATENT-CLASS-307-227	c 09	N72-17157* #	US-PATENT-CLASS-307-289	c 10	N71-19547* #
US-PATENT-CLASS-294-19R	c 35	N76-16392* #	US-PATENT-CLASS-307-227	c 33	N75-19522* #	US-PATENT-CLASS-307-28	c 03	N73-31988* #
US-PATENT-CLASS-294-83	c 15	N71-24897* #	US-PATENT-CLASS-307-229	c 09	N71-12520* #	US-PATENT-CLASS-307-290	c 33	N74-22814* #
US-PATENT-CLASS-294-86 33	c 37	N75-33395* #	US-PATENT-CLASS-307-229	c 09	N72-23173* #	US-PATENT-CLASS-307-291	c 60	N81-15706* #
US-PATENT-CLASS-294-86R	c 37	N80-14398* #	US-PATENT-CLASS-307-229	c 33	N75-18479* #	US-PATENT-CLASS-307-294	c 09	N71-29139*
US-PATENT-CLASS-294-86R	c 37	N81-27519* #	US-PATENT-CLASS-307-229	c 33	N77-17354* #	US-PATENT-CLASS-307-295	c 10	N72-17171* #
US-PATENT-CLASS-294-86R	c 18	N83-29303* #	US-PATENT-CLASS-307-229	c 33	N78-32339* #	US-PATENT-CLASS-307-295	c 10	N72-20223* #
US-PATENT-CLASS-294-93	c 54	N81-26718* #	US-PATENT-CLASS-307-230	c 10	N72-16172* #	US-PATENT-CLASS-307-295	c 09	N72-21245* #
US-PATENT-CLASS-296-15	c 85	N82-33288* #	US-PATENT-CLASS-307-230	c 09	N72-21245* #	US-PATENT-CLASS-307-295	c 09	N72-33204* #
US-PATENT-CLASS-296-24C	c 85	N82-33288* #	US-PATENT-CLASS-307-230	c 09	N73-20232* #	US-PATENT-CLASS-307-295	c 33	N74-34638* #
US-PATENT-CLASS-296-91	c 85	N82-33288* #	US-PATENT-CLASS-307-230	c 33	N74-32712* #	US-PATENT-CLASS-307-295	c 33	N77-13315* #
US-PATENT-CLASS-297-216	c 05	N70-35152* #	US-PATENT-CLASS-307-230	c 33	N77-17354* #	US-PATENT-CLASS-307-296	c 08	N71-12494* #
US-PATENT-CLASS-297-232	c 05	N72-11085* #	US-PATENT-CLASS-307-230	c 33	N78-32339* #	US-PATENT-CLASS-307-296	c 07	N71-28430*
US-PATENT-CLASS-297-385	c 05	N71-12341* #	US-PATENT-CLASS-307-231	c 09	N72-22202* #	US-PATENT-CLASS-307-297	c 33	N78-17294* #
US-PATENT-CLASS-297-385	c 05	N75-25915* #	US-PATENT-CLASS-307-232	c 33	N77-21314* #	US-PATENT-CLASS-307-299	c 08	N72-21198* #
US-PATENT-CLASS-297-386	c 15	N73-30460* #	US-PATENT-CLASS-307-232	c 33	N79-11313* #	US-PATENT-CLASS-307-299	c 26	N72-21701* #
US-PATENT-CLASS-297-386	c 05	N75-25915* #	US-PATENT-CLASS-307-233R	c 32	N79-10262* #	US-PATENT-CLASS-307-29	c 03	N73-31988* #
US-PATENT-CLASS-297-389	c 05	N75-25915* #	US-PATENT-CLASS-307-233R	c 33	N81-17348* #	US-PATENT-CLASS-307-300	c 10	N71-27126* #
US-PATENT-CLASS-297-68	c 05	N71-12343* #	US-PATENT-CLASS-307-233	c 09	N72-25257* #	US-PATENT-CLASS-307-303	c 08	N72-21198* #
US-PATENT-CLASS-299-13	c 05	N72-11085* #	US-PATENT-CLASS-307-233	c 10	N73-26229* #	US-PATENT-CLASS-307-304	c 09	N72-22201* #
US-PATENT-CLASS-299-17	c 43	N81-26509* #	US-PATENT-CLASS-307-233	c 33	N77-13315* #	US-PATENT-CLASS-307-304	c 09	N73-20232* #
US-PATENT-CLASS-299-1	c 43	N79-264						

US-PATENT-CLASS-307-306

US-PATENT-CLASS-307-306 c 33 N78-13320* #
US-PATENT-CLASS-307-306 c 33 N81-17348* #
US-PATENT-CLASS-307-308 c 14 N73-28488* #
US-PATENT-CLASS-307-309 c 35 N75-13213* #
US-PATENT-CLASS-307-310 c 09 N73-14214* #
US-PATENT-CLASS-307-311 c 14 N72-18411* #
US-PATENT-CLASS-307-311 c 08 N72-21198* #
US-PATENT-CLASS-307-311 c 09 N73-14214* #
US-PATENT-CLASS-307-317 c 10 N72-20221* #
US-PATENT-CLASS-307-317 c 09 N72-22200* #
US-PATENT-CLASS-307-317 c 09 N72-22201* #
US-PATENT-CLASS-307-321 c 33 N75-19520* #
US-PATENT-CLASS-307-321 c 33 N75-25041* #
US-PATENT-CLASS-307-322 c 10 N72-22236* #
US-PATENT-CLASS-307-323 c 10 N72-22236* #
US-PATENT-CLASS-307-350 c 33 N78-18308* #
US-PATENT-CLASS-307-352 c 33 N81-27396* #
US-PATENT-CLASS-307-353 c 33 N81-27396* #
US-PATENT-CLASS-307-35 c 33 N74-34638* #
US-PATENT-CLASS-307-360 c 33 N78-18308* #
US-PATENT-CLASS-307-38 c 03 N73-31988* #
US-PATENT-CLASS-307-415 c 33 N82-24418* #
US-PATENT-CLASS-307-53 c 10 N71-26626* #
US-PATENT-CLASS-307-53 c 33 N78-17296* #
US-PATENT-CLASS-307-63 c 44 N80-14472* #
US-PATENT-CLASS-307-64 c 33 N77-30365* #
US-PATENT-CLASS-307-66 c 44 N80-14472* #
US-PATENT-CLASS-307-69 c 33 N78-17296* #
US-PATENT-CLASS-307-81 c 09 N72-17157* #
US-PATENT-CLASS-307-82 c 33 N79-24254* #
US-PATENT-CLASS-307-83 c 09 N72-25262* #
US-PATENT-CLASS-307-88 3 c 09 N72-25258* #
US-PATENT-CLASS-307-88 5 c 09 N70-34819* #
US-PATENT-CLASS-307-88 5 c 09 N70-40272* #
US-PATENT-CLASS-307-88 5 c 09 N70-41675* #
US-PATENT-CLASS-307-88 5 c 10 N70-42032* #
US-PATENT-CLASS-307-88 5 c 09 N71-10673* #
US-PATENT-CLASS-307-88 5 c 10 N71-15910* #
US-PATENT-CLASS-307-88 5 c 10 N71-16042* #
US-PATENT-CLASS-307-88 5 c 10 N71-28739* #
US-PATENT-CLASS-307-88MP c 09 N72-22197* #
US-PATENT-CLASS-307-88 c 08 N70-34743* #
US-PATENT-CLASS-307-88 c 09 N70-38604* #
US-PATENT-CLASS-307-88 c 09 N71-24803* #
US-PATENT-CLASS-307-88 c 09 N71-26000* #
US-PATENT-CLASS-307-92 c 09 N72-27227* #
US-PATENT-CLASS-307-98 c 33 N79-28415* #
US-PATENT-CLASS-308-DIG 1 c 15 N72-17451* #
US-PATENT-CLASS-308-DIG 1 c 37 N79-10418* #
US-PATENT-CLASS-308-DIG 8 c 24 N79-17916* #
US-PATENT-CLASS-308-DIG 9 c 24 N79-17916* #
US-PATENT-CLASS-308-10 c 15 N71-22997* #
US-PATENT-CLASS-308-10 c 15 N72-33476* #
US-PATENT-CLASS-308-10 c 35 N74-18323* #
US-PATENT-CLASS-308-10 c 37 N75-18574* #
US-PATENT-CLASS-308-10 c 37 N76-18459* #
US-PATENT-CLASS-308-10 c 37 N77-17464* #
US-PATENT-CLASS-308-10 c 44 N78-24608* #
US-PATENT-CLASS-308-10 c 37 N78-27424* #
US-PATENT-CLASS-308-10 c 35 N79-26372* #
US-PATENT-CLASS-308-10 c 71 N81-15767* #
US-PATENT-CLASS-308-10 c 44 N83-28574* #
US-PATENT-CLASS-308-10 c 37 N83-32067* #
US-PATENT-CLASS-308-10 c 37 N83-34323* #
US-PATENT-CLASS-308-10 c 71 N83-36846* #
US-PATENT-CLASS-308-121 c 37 N74-32921* #
US-PATENT-CLASS-308-121 c 37 N75-30562* #
US-PATENT-CLASS-308-121 c 37 N79-10418* #
US-PATENT-CLASS-308-122 c 37 N76-15461* #
US-PATENT-CLASS-308-160 c 37 N76-15461* #
US-PATENT-CLASS-308-160 c 37 N76-29588* #
US-PATENT-CLASS-308-160 c 37 N79-10418* #
US-PATENT-CLASS-308-163 c 37 N76-29588* #
US-PATENT-CLASS-308-163 c 37 N79-10418* #
US-PATENT-CLASS-308-168 c 24 N79-17916* #
US-PATENT-CLASS-308-170 c 15 N71-28465* #
US-PATENT-CLASS-308-170 c 37 N76-29588* #
US-PATENT-CLASS-308-171 c 24 N79-17916* #
US-PATENT-CLASS-308-172 c 37 N79-10418* #
US-PATENT-CLASS-308-174 c 54 N75-12616* #
US-PATENT-CLASS-308-176 c 15 N71-22982* #
US-PATENT-CLASS-308-177 c 15 N71-29136* #
US-PATENT-CLASS-308-187 c 15 N71-26189* #
US-PATENT-CLASS-308-188 c 15 N73-30458* #
US-PATENT-CLASS-308-188 c 37 N74-21064* #
US-PATENT-CLASS-308-191 c 37 N74-21064* #
US-PATENT-CLASS-308-191 c 37 N75-31446* #
US-PATENT-CLASS-308-193 c 15 N73-30458* #
US-PATENT-CLASS-308-194 c 37 N79-11404* #
US-PATENT-CLASS-308-195 c 15 N72-22490* #
US-PATENT-CLASS-308-195 c 37 N75-31446* #
US-PATENT-CLASS-308-195 c 37 N77-32500* #
US-PATENT-CLASS-308-195 c 37 N77-32501* #
US-PATENT-CLASS-308-1 c 31 N71-26537* #
US-PATENT-CLASS-308-2A c 15 N72-26371* #
US-PATENT-CLASS-308-2A c 15 N73-12488* #

US-PATENT-CLASS-308-201 c 37 N75-31446* #
US-PATENT-CLASS-308-2 c 15 N71-23812* #
US-PATENT-CLASS-308-35 c 15 N73-32359* #
US-PATENT-CLASS-308-5R c 37 N77-28488* #
US-PATENT-CLASS-308-5R c 37 N79-10418* #
US-PATENT-CLASS-308-5 c 15 N71-10617* #
US-PATENT-CLASS-308-5 c 15 N72-11388* #
US-PATENT-CLASS-308-5 c 15 N72-17451* #
US-PATENT-CLASS-308-72 c 37 N76-15461* #
US-PATENT-CLASS-308-72 c 37 N77-32500* #
US-PATENT-CLASS-308-72 c 37 N79-11404* #
US-PATENT-CLASS-308-73 c 37 N74-21061* #
US-PATENT-CLASS-308-73 c 37 N75-30562* #
US-PATENT-CLASS-308-73 c 37 N76-15461* #
US-PATENT-CLASS-308-73 c 37 N77-28488* #
US-PATENT-CLASS-308-78 c 24 N79-17916* #
US-PATENT-CLASS-308-78 c 24 N79-17916* #
US-PATENT-CLASS-308-9 c 15 N70-38620* #
US-PATENT-CLASS-308-9 c 15 N70-39898* #
US-PATENT-CLASS-308-9 c 15 N71-20739* #
US-PATENT-CLASS-308-9 c 14 N71-26627* #
US-PATENT-CLASS-308-9 c 15 N72-17451* #
US-PATENT-CLASS-308-9 c 15 N73-32359* #
US-PATENT-CLASS-308-9 c 37 N76-15461* #
US-PATENT-CLASS-308-9 c 37 N77-28488* #
US-PATENT-CLASS-308-9 c 37 N79-10418* #
US-PATENT-CLASS-310-101 c 15 N71-24696* #
US-PATENT-CLASS-310-10 c 09 N69-39890* #
US-PATENT-CLASS-310-10 c 03 N71-23443* #
US-PATENT-CLASS-310-10 c 09 N71-24904* #
US-PATENT-CLASS-310-10 c 09 N72-25255* #
US-PATENT-CLASS-310-10 c 20 N75-24837* #
US-PATENT-CLASS-310-11 c 33 N77-26387* #
US-PATENT-CLASS-310-11 c 25 N69-21929* #
US-PATENT-CLASS-310-11 c 03 N69-39893* #
US-PATENT-CLASS-310-11 c 03 N70-36803* #
US-PATENT-CLASS-310-11 c 14 N72-22439* #
US-PATENT-CLASS-310-11 c 12 N72-25292* #
US-PATENT-CLASS-310-11 c 35 N74-21018* #
US-PATENT-CLASS-310-11 c 36 N75-32441* #
US-PATENT-CLASS-310-11 c 44 N83-28573* #
US-PATENT-CLASS-310-12 c 33 N82-24421* #
US-PATENT-CLASS-310-12 c 37 N83-32067* #
US-PATENT-CLASS-310-153 c 44 N78-24608* #
US-PATENT-CLASS-310-154 c 44 N78-24608* #
US-PATENT-CLASS-310-15 c 09 N72-25255* #
US-PATENT-CLASS-310-15 c 44 N83-28574* #
US-PATENT-CLASS-310-168 c 09 N71-25999* #
US-PATENT-CLASS-310-168 c 33 N77-26387* #
US-PATENT-CLASS-310-178 c 44 N78-24608* #
US-PATENT-CLASS-310-20 c 71 N79-20827* #
US-PATENT-CLASS-310-231 c 33 N79-20314* #
US-PATENT-CLASS-310-254 c 09 N71-25999* #
US-PATENT-CLASS-310-269 c 44 N78-24608* #
US-PATENT-CLASS-310-26 c 71 N79-20827* #
US-PATENT-CLASS-310-2 c 03 N72-23048* #
US-PATENT-CLASS-310-306 c 33 N80-18287* #
US-PATENT-CLASS-310-306 c 44 N83-32175* #
US-PATENT-CLASS-310-30 c 44 N80-29834* #
US-PATENT-CLASS-310-311 c 35 N80-20559* #
US-PATENT-CLASS-310-319 c 33 N80-23559* #
US-PATENT-CLASS-310-322 c 71 N79-20827* #
US-PATENT-CLASS-310-326 c 38 N79-14398* #
US-PATENT-CLASS-310-327 c 35 N80-20559* #
US-PATENT-CLASS-310-332 c 76 N83-34796* #
US-PATENT-CLASS-310-334 c 71 N79-20827* #
US-PATENT-CLASS-310-334 c 35 N80-20559* #
US-PATENT-CLASS-310-336 c 38 N79-14398* #
US-PATENT-CLASS-310-360 c 35 N80-20559* #
US-PATENT-CLASS-310-4A c 37 N77-19458* #
US-PATENT-CLASS-310-4R c 33 N74-27683* #
US-PATENT-CLASS-310-4R c 73 N77-18891* #
US-PATENT-CLASS-310-40 c 20 N75-24837* #
US-PATENT-CLASS-310-42 c 14 N72-22439* #
US-PATENT-CLASS-310-46 c 33 N79-20314* #
US-PATENT-CLASS-310-4 c 09 N69-21313* #
US-PATENT-CLASS-310-4 c 03 N69-39898* #
US-PATENT-CLASS-310-4 c 09 N69-39929* #
US-PATENT-CLASS-310-4 c 03 N70-34134* #
US-PATENT-CLASS-310-4 c 03 N71-11055* #
US-PATENT-CLASS-310-4 c 22 N71-23599* #
US-PATENT-CLASS-310-4 c 09 N71-24807* #
US-PATENT-CLASS-310-4 c 33 N71-27862* #
US-PATENT-CLASS-310-4 c 09 N71-28421* #
US-PATENT-CLASS-310-4 c 09 N72-25260* #
US-PATENT-CLASS-310-4 c 09 N72-27228* #
US-PATENT-CLASS-310-4 c 20 N75-24837* #
US-PATENT-CLASS-310-4 c 36 N75-30524* #
US-PATENT-CLASS-310-4 c 44 N76-16612* #
US-PATENT-CLASS-310-51 c 15 N71-27169* #
US-PATENT-CLASS-310-52 c 20 N75-24837* #
US-PATENT-CLASS-310-54 c 09 N71-20446* #
US-PATENT-CLASS-310-5 c 03 N70-35408* #
US-PATENT-CLASS-310-58 c 15 N72-25456* #
US-PATENT-CLASS-310-8 2 c 35 N76-15432* #

US-PATENT-CLASS-310-8 5 c 14 N71-22993* #
US-PATENT-CLASS-310-800 c 76 N83-34796* #
US-PATENT-CLASS-310-80 c 15 N72-25456* #
US-PATENT-CLASS-310-82 c 33 N79-20314* #
US-PATENT-CLASS-310-83 c 15 N72-25456* #
US-PATENT-CLASS-310-9.1 c 15 N71-21311* #
US-PATENT-CLASS-310-93 c 15 N71-17652* #
US-PATENT-CLASS-311-37 c 35 N75-29380* #
US-PATENT-CLASS-312-1 c 05 N71-23080* #
US-PATENT-CLASS-312-1 c 05 N73-20137* #
US-PATENT-CLASS-312-1 c 37 N74-20063* #
US-PATENT-CLASS-312-209 c 37 N74-18123* #
US-PATENT-CLASS-312-257 c 31 N72-22874* #
US-PATENT-CLASS-312-296 c 09 N71-18600* #
US-PATENT-CLASS-312-319 c 37 N79-33467* #
US-PATENT-CLASS-313-DIG 8 c 28 N73-24783* #
US-PATENT-CLASS-313-104 c 14 N73-32317* #
US-PATENT-CLASS-313-106 c 24 N83-10117* #
US-PATENT-CLASS-313-107 c 24 N83-10117* #
US-PATENT-CLASS-313-109 5 c 09 N71-33519* #
US-PATENT-CLASS-313-11 5 c 28 N70-39925* #
US-PATENT-CLASS-313-110 c 09 N71-12521* #
US-PATENT-CLASS-313-146 c 33 N77-22386* #
US-PATENT-CLASS-313-153 c 33 N74-12913* #
US-PATENT-CLASS-313-156 c 25 N70-34661* #
US-PATENT-CLASS-313-156 c 72 N80-27163* #
US-PATENT-CLASS-313-161 c 25 N73-25760* #
US-PATENT-CLASS-313-161 c 09 N73-30181* #
US-PATENT-CLASS-313-161 c 33 N77-21315* #
US-PATENT-CLASS-313-175 c 33 N77-21316* #
US-PATENT-CLASS-313-175 c 31 N78-17238* #
US-PATENT-CLASS-313-176 c 31 N78-17238* #
US-PATENT-CLASS-313-180 c 33 N77-21316* #
US-PATENT-CLASS-313-180 c 31 N78-17238* #
US-PATENT-CLASS-313-182 c 33 N77-22386* #
US-PATENT-CLASS-313-184 c 33 N77-21315* #
US-PATENT-CLASS-313-184 c 33 N77-21316* #
US-PATENT-CLASS-313-184 c 31 N78-17238* #
US-PATENT-CLASS-313-186 c 25 N72-24753* #
US-PATENT-CLASS-313-209 c 33 N74-12913* #
US-PATENT-CLASS-313-212 c 25 N72-24753* #
US-PATENT-CLASS-313-217 c 28 N73-27699* #
US-PATENT-CLASS-313-217 c 33 N74-12913* #
US-PATENT-CLASS-313-218 c 28 N73-27699* #
US-PATENT-CLASS-313-224 c 25 N72-24753* #
US-PATENT-CLASS-313-224 c 33 N74-12913* #
US-PATENT-CLASS-313-224 c 33 N77-21315* #
US-PATENT-CLASS-313-224 c 31 N78-17238* #
US-PATENT-CLASS-313-22 c 09 N71-26787* #
US-PATENT-CLASS-313-22 c 31 N78-17237* #
US-PATENT-CLASS-313-22 c 31 N78-25256* #
US-PATENT-CLASS-313-22 c 34 N79-20336* #
US-PATENT-CLASS-313-230 c 28 N71-28850* #
US-PATENT-CLASS-313-230 c 28 N73-27699* #
US-PATENT-CLASS-313-230 c 20 N77-20162* #
US-PATENT-CLASS-313-231 3 c 20 N77-20162* #
US-PATENT-CLASS-313-231 3 c 75 N78-27913* #
US-PATENT-CLASS-313-231 4 c 20 N77-10148* #
US-PATENT-CLASS-313-231 4 c 72 N80-33186* #
US-PATENT-CLASS-313-231 c 06 N69-39889* #
US-PATENT-CLASS-313-231 c 09 N71-23190* #
US-PATENT-CLASS-313-231 c 09 N71-33519* #
US-PATENT-CLASS-313-231 c 25 N72-24753* #
US-PATENT-CLASS-313-231 c 25 N72-32688* #
US-PATENT-CLASS-313-231 c 28 N73-24783* #
US-PATENT-CLASS-313-231 c 25 N73-25760* #
US-PATENT-CLASS-313-236 c 09 N71-26182* #
US-PATENT-CLASS-313-237 c 09 N71-26182* #
US-PATENT-CLASS-313-240 c 20 N77-10148* #
US-PATENT-CLASS-313-250 c 31 N76-31365* #
US-PATENT-CLASS-313-271 c 25 N71-20747* #
US-PATENT-CLASS-313-306 c 31 N76-31365* #
US-PATENT-CLASS-313-309 c 10 N72-27246* #
US-PATENT-CLASS-313-309 c 31 N76-31365* #
US-PATENT-CLASS-313-311 c 73 N77-18891* #
US-PATENT-CLASS-313-32 c 33 N74-12913* #
US-PATENT-CLASS-313-32 c 33 N77-21315* #
US-PATENT-CLASS-313-336 c 10 N72-27246* #
US-PATENT-CLASS-313-338 c 31 N76-31365* #
US-PATENT-CLASS-313-348 c 35 N82-24471* #
US-PATENT-CLASS-313-351 c 10 N72-27246* #
US-PATENT-CLASS-313-352 c 09 N71-22987* #
US-PATENT-CLASS-313-355 c 28 N73-27699* #
US-PATENT-CLASS-313-356 c 14 N72-29464* #
US-PATENT-CLASS-313-35 c 34 N79-20336* #
US-PATENT-CLASS-313-360 c 20 N77-20162* #
US-PATENT-CLASS-313-361 c 20 N77-10148* #
US-PATENT-CLASS-313-362 c 72 N80-27163* #
US-PATENT-CLASS-313-362 c 72 N80-33186* #
US-PATENT-CLASS-313-363 c 72 N80-27163* #
US-PATENT-CLASS-313-442 c 74 N78-18905* #
US-PATENT-CLASS-313-44 c 15 N69-24319* #
US-PATENT-CLASS-313-60 c 33 N77-22386* #
US-PATENT-CLASS-313-61S c 73 N74-26767* #
US-PATENT-CLASS-313-61S c 37 N78-13436* #
US-PATENT-CLASS-313-63 c 28 N70-41576* #

REPORT NUMBER INDEX

REPORT NUMBER INDEX

US-PATENT-CLASS-318-649

US-PATENT-CLASS-313-63	c 09	N71-10618* #	US-PATENT-CLASS-315-367	c 33	N75-26244* #	US-PATENT-CLASS-317-31	c 33	N74-17929* #
US-PATENT-CLASS-313-63	c 28	N71-26781* #	US-PATENT-CLASS-315-369	c 33	N75-26244* #	US-PATENT-CLASS-317-31	c 33	N77-14333* #
US-PATENT-CLASS-313-63	c 28	N73-24783* #	US-PATENT-CLASS-315-36	c 10	N72-27246* #	US-PATENT-CLASS-317-33SC	c 33	N74-14956* #
US-PATENT-CLASS-313-63	c 28	N73-27699* #	US-PATENT-CLASS-315-387	c 33	N75-26244* #	US-PATENT-CLASS-317-33	c 10	N71-26531* #
US-PATENT-CLASS-313-63	c 75	N75-13625* #	US-PATENT-CLASS-315-3	c 33	N83-31952* #	US-PATENT-CLASS-317-33	c 09	N71-27001* #
US-PATENT-CLASS-313-7	c 14	N71-18482* #	US-PATENT-CLASS-315-4	c 33	N83-31952* #	US-PATENT-CLASS-317-33	c 10	N71-27366* #
US-PATENT-CLASS-313-7	c 14	N73-32324* #	US-PATENT-CLASS-315-5 35	c 33	N74-10195* #	US-PATENT-CLASS-317-33	c 09	N71-29008* #
US-PATENT-CLASS-313-93	c 35	N74-26949* #	US-PATENT-CLASS-315-5 35	c 33	N83-31952* #	US-PATENT-CLASS-317-43	c 33	N74-14956* #
US-PATENT-CLASS-313-93	c 35	N82-24471* #	US-PATENT-CLASS-315-5 38	c 09	N73-13208* #	US-PATENT-CLASS-317-46	c 33	N74-14956* #
US-PATENT-CLASS-313-94	c 33	N76-31409* #	US-PATENT-CLASS-315-5 38	c 33	N74-10195* #	US-PATENT-CLASS-317-47	c 33	N74-14956* #
US-PATENT-CLASS-313-94	c 74	N78-18905* #	US-PATENT-CLASS-315-5 38	c 33	N82-24415* #	US-PATENT-CLASS-317-48	c 33	N74-14956* #
US-PATENT-CLASS-314-129	c 15	N69-24266* #	US-PATENT-CLASS-315-5 38	c 24	N83-10117* #	US-PATENT-CLASS-317-54	c 09	N71-29008* #
US-PATENT-CLASS-314-928	c 32	N82-12298* #	US-PATENT-CLASS-315-5 38	c 33	N83-31952* #	US-PATENT-CLASS-317-60	c 09	N71-29008* #
US-PATENT-CLASS-315-DIG 2	c 16	N73-32391* #	US-PATENT-CLASS-315-5	c 33	N83-31952* #	US-PATENT-CLASS-317-9	c 09	N71-22796* #
US-PATENT-CLASS-315-101	c 16	N73-32391* #	US-PATENT-CLASS-317-DIG 3	c 10	N71-26334* #	US-PATENT-CLASS-317-9	c 09	N71-27001* #
US-PATENT-CLASS-315-108	c 09	N71-33519* #	US-PATENT-CLASS-317-DIG 6	c 10	N73-26228* #	US-PATENT-CLASS-318-116	c 71	N79-20827* #
US-PATENT-CLASS-315-108	c 33	N77-21316* #	US-PATENT-CLASS-317-100	c 10	N71-28783* #	US-PATENT-CLASS-318-135	c 33	N82-24421* #
US-PATENT-CLASS-315-108	c 36	N78-17366* #	US-PATENT-CLASS-317-100	c 10	N73-25243* #	US-PATENT-CLASS-318-137	c 33	N75-19524* #
US-PATENT-CLASS-315-10	c 33	N74-21850* #	US-PATENT-CLASS-317-101A	c 09	N72-33205* #	US-PATENT-CLASS-318-138	c 09	N71-10677* #
US-PATENT-CLASS-315-10	c 33	N75-26244* #	US-PATENT-CLASS-317-101A	c 23	N73-13560* #	US-PATENT-CLASS-318-138	c 14	N71-17585* #
US-PATENT-CLASS-315-110	c 33	N77-21316* #	US-PATENT-CLASS-317-101DH	c 15	N72-22486* #	US-PATENT-CLASS-318-138	c 10	N71-18772* #
US-PATENT-CLASS-315-111 2	c 75	N78-27913* #	US-PATENT-CLASS-317-101DH	c 10	N73-25243* #	US-PATENT-CLASS-318-138	c 09	N71-25999* #
US-PATENT-CLASS-315-111 3	c 20	N77-10148* #	US-PATENT-CLASS-317-101	c 09	N71-26133* #	US-PATENT-CLASS-318-138	c 33	N77-26386* #
US-PATENT-CLASS-315-111 3	c 20	N77-20162* #	US-PATENT-CLASS-317-117	c 15	N72-22486* #	US-PATENT-CLASS-318-138	c 33	N81-20352* #
US-PATENT-CLASS-315-111 6	c 75	N76-14931* #	US-PATENT-CLASS-317-120	c 15	N72-22486* #	US-PATENT-CLASS-318-15	c 37	N80-32716* #
US-PATENT-CLASS-315-111 6	c 20	N77-20162* #	US-PATENT-CLASS-317-122	c 15	N71-18701* #	US-PATENT-CLASS-318-167	c 33	N75-19524* #
US-PATENT-CLASS-315-111	c 25	N70-33267* #	US-PATENT-CLASS-317-123	c 09	N71-24892* #	US-PATENT-CLASS-318-176	c 33	N75-19524* #
US-PATENT-CLASS-315-111	c 25	N70-41628* #	US-PATENT-CLASS-317-140	c 09	N70-34502* #	US-PATENT-CLASS-318-183	c 33	N75-19524* #
US-PATENT-CLASS-315-111	c 25	N71-15562* #	US-PATENT-CLASS-317-148 5	c 10	N71-23271* #	US-PATENT-CLASS-318-200	c 08	N71-27057* #
US-PATENT-CLASS-315-111	c 24	N71-16213* #	US-PATENT-CLASS-317-148 5	c 09	N71-24892* #	US-PATENT-CLASS-318-200	c 33	N78-10376* #
US-PATENT-CLASS-315-111	c 25	N71-21693* #	US-PATENT-CLASS-317-153	c 10	N71-26334* #	US-PATENT-CLASS-318-227	c 07	N71-33613* #
US-PATENT-CLASS-315-111	c 28	N71-26781* #	US-PATENT-CLASS-317-155 5	c 09	N71-29008* #	US-PATENT-CLASS-318-227	c 33	N75-15874* #
US-PATENT-CLASS-315-111	c 25	N71-29184* #	US-PATENT-CLASS-317-157 5	c 15	N69-21472* #	US-PATENT-CLASS-318-227	c 33	N77-26386* #
US-PATENT-CLASS-315-111	c 09	N71-33519* #	US-PATENT-CLASS-317-158	c 15	N73-28516* #	US-PATENT-CLASS-318-227	c 33	N78-10376* #
US-PATENT-CLASS-315-111	c 25	N72-24753* #	US-PATENT-CLASS-317-158	c 26	N73-28710* #	US-PATENT-CLASS-318-22	c 15	N71-17694* #
US-PATENT-CLASS-315-111	c 25	N72-32688* #	US-PATENT-CLASS-317-158	c 15	N73-32361* #	US-PATENT-CLASS-318-230	c 07	N71-33613* #
US-PATENT-CLASS-315-111	c 14	N73-30391* #	US-PATENT-CLASS-317-16	c 09	N69-39897* #	US-PATENT-CLASS-318-230	c 10	N73-32145* #
US-PATENT-CLASS-315-111	c 75	N75-13625* #	US-PATENT-CLASS-317-16	c 33	N74-17929* #	US-PATENT-CLASS-318-230	c 33	N75-15874* #
US-PATENT-CLASS-315-111	c 33	N75-29318* #	US-PATENT-CLASS-317-2D	c 33	N77-10429* #	US-PATENT-CLASS-318-230	c 33	N78-10376* #
US-PATENT-CLASS-315-111	c 37	N75-29426* #	US-PATENT-CLASS-317-20	c 10	N71-26531* #	US-PATENT-CLASS-318-231	c 10	N73-32145* #
US-PATENT-CLASS-315-11	c 33	N74-21850* #	US-PATENT-CLASS-317-230	c 09	N71-27232* #	US-PATENT-CLASS-318-231	c 33	N75-15874* #
US-PATENT-CLASS-315-12	c 33	N74-21850* #	US-PATENT-CLASS-317-230	c 26	N72-28761* #	US-PATENT-CLASS-318-254	c 09	N71-25999* #
US-PATENT-CLASS-315-135	c 09	N72-25250* #	US-PATENT-CLASS-317-231	c 09	N71-27232* #	US-PATENT-CLASS-318-254	c 09	N73-32107* #
US-PATENT-CLASS-315-145	c 33	N80-14330* #	US-PATENT-CLASS-317-234A	c 15	N73-14469* #	US-PATENT-CLASS-318-254	c 33	N77-26386* #
US-PATENT-CLASS-315-151	c 14	N72-27411* #	US-PATENT-CLASS-317-234D	c 14	N72-31446* #	US-PATENT-CLASS-318-254	c 33	N81-20352* #
US-PATENT-CLASS-315-153	c 33	N73-16483* #	US-PATENT-CLASS-317-234E	c 33	N74-12951* #	US-PATENT-CLASS-318-254	c 33	N82-26569* #
US-PATENT-CLASS-315-153	c 74	N79-12890* #	US-PATENT-CLASS-317-234F	c 33	N74-12951* #	US-PATENT-CLASS-318-257	c 10	N71-18724* #
US-PATENT-CLASS-315-158	c 14	N72-27411* #	US-PATENT-CLASS-317-234G	c 14	N72-31446* #	US-PATENT-CLASS-318-258	c 09	N71-26092* #
US-PATENT-CLASS-315-158	c 14	N72-27411* #	US-PATENT-CLASS-317-234G	c 15	N73-14469* #	US-PATENT-CLASS-318-260	c 09	N70-38712* #
US-PATENT-CLASS-315-160	c 09	N71-12540* #	US-PATENT-CLASS-317-234G	c 09	N73-27150* #	US-PATENT-CLASS-318-265	c 15	N71-24895* #
US-PATENT-CLASS-315-169R	c 26	N73-13660* #	US-PATENT-CLASS-317-234J	c 26	N72-25679* #	US-PATENT-CLASS-318-267	c 37	N77-27400* #
US-PATENT-CLASS-315-169R	c 23	N75-19652* #	US-PATENT-CLASS-317-234L	c 09	N73-27150* #	US-PATENT-CLASS-318-308	c 11	N72-20244* #
US-PATENT-CLASS-315-169TV	c 23	N73-13660* #	US-PATENT-CLASS-317-234M	c 09	N73-27150* #	US-PATENT-CLASS-318-314	c 10	N71-20448* #
US-PATENT-CLASS-315-176	c 33	N77-28385* #	US-PATENT-CLASS-317-234M	c 33	N74-12951* #	US-PATENT-CLASS-318-314	c 09	N75-24758* #
US-PATENT-CLASS-315-18	c 32	N74-20813* #	US-PATENT-CLASS-317-234N	c 09	N73-27150* #	US-PATENT-CLASS-318-317	c 09	N71-28886* #
US-PATENT-CLASS-315-18	c 33	N75-19517* #	US-PATENT-CLASS-317-234N	c 33	N74-12951* #	US-PATENT-CLASS-318-318	c 09	N71-24805* #
US-PATENT-CLASS-315-208	c 33	N83-34189* #	US-PATENT-CLASS-317-234R	c 09	N73-27150* #	US-PATENT-CLASS-318-318	c 09	N75-24758* #
US-PATENT-CLASS-315-209CD	c 37	N79-11405* #	US-PATENT-CLASS-317-234R	c 33	N74-12951* #	US-PATENT-CLASS-318-31	c 15	N71-28952* #
US-PATENT-CLASS-315-209SC	c 37	N79-11405* #	US-PATENT-CLASS-317-234V	c 26	N72-21701* #	US-PATENT-CLASS-318-327	c 11	N72-20244* #
US-PATENT-CLASS-315-211	c 33	N74-20859* #	US-PATENT-CLASS-317-234V	c 09	N73-15235* #	US-PATENT-CLASS-318-328	c 09	N73-32107* #
US-PATENT-CLASS-315-22R	c 10	N72-31273* #	US-PATENT-CLASS-317-234	c 14	N69-23191* #	US-PATENT-CLASS-318-331	c 09	N71-28886* #
US-PATENT-CLASS-315-224	c 33	N83-34189* #	US-PATENT-CLASS-317-234	c 09	N69-27422* #	US-PATENT-CLASS-318-341	c 10	N73-32145* #
US-PATENT-CLASS-315-225	c 33	N83-34189* #	US-PATENT-CLASS-317-234	c 26	N71-18064* #	US-PATENT-CLASS-318-341	c 09	N75-24758* #
US-PATENT-CLASS-315-225	c 33	N74-20859* #	US-PATENT-CLASS-317-235AG	c 09	N73-15235* #	US-PATENT-CLASS-318-345	c 09	N71-28886* #
US-PATENT-CLASS-315-22	c 10	N72-20225* #	US-PATENT-CLASS-317-235AJ	c 26	N72-25679* #	US-PATENT-CLASS-318-376	c 10	N71-16030* #
US-PATENT-CLASS-315-22	c 32	N74-20813* #	US-PATENT-CLASS-317-235AJ	c 09	N72-33205* #	US-PATENT-CLASS-318-376	c 11	N72-20244* #
US-PATENT-CLASS-315-22	c 33	N78-17293* #	US-PATENT-CLASS-317-235AM	c 09	N73-19235* #	US-PATENT-CLASS-318-382	c 15	N71-24695* #
US-PATENT-CLASS-315-237	c 33	N83-34189* #	US-PATENT-CLASS-317-235A	c 26	N72-25679* #	US-PATENT-CLASS-318-439	c 33	N81-20352* #
US-PATENT-CLASS-315-241R	c 37	N79-11405* #	US-PATENT-CLASS-317-235A	c 09	N72-33205* #	US-PATENT-CLASS-318-468	c 37	N77-27400* #
US-PATENT-CLASS-315-241R	c 33	N83-34189* #	US-PATENT-CLASS-317-235H	c 35	N75-13213* #	US-PATENT-CLASS-318-470	c 37	N77-27400* #
US-PATENT-CLASS-315-241	c 09	N71-13518* #	US-PATENT-CLASS-317-235K	c 09	N73-15235* #	US-PATENT-CLASS-318-489	c 02	N73-19004* #
US-PATENT-CLASS-315-248	c 09	N73-30181* #	US-PATENT-CLASS-317-235M	c 14	N72-31446* #	US-PATENT-CLASS-318-504	c 09	N71-28886* #
US-PATENT-CLASS-315-24	c 08	N71-20571* #	US-PATENT-CLASS-317-235N	c 35	N74-15090* #	US-PATENT-CLASS-318-561	c 33	N82-18493* #
US-PATENT-CLASS-315-258	c 16	N73-32391* #	US-PATENT-CLASS-317-235N	c 35	N72-21701* #	US-PATENT-CLASS-318-564	c 60	N82-29013* #
US-PATENT-CLASS-315-25	c 10	N72-20225* #	US-PATENT-CLASS-317-235R	c 26	N72-21701* #	US-PATENT-CLASS-318-571	c 10	N71-27136* #
US-PATENT-CLASS-315-260	c 33	N80-14330* #	US-PATENT-CLASS-317-235R	c 26	N72-25679* #	US-PATENT-CLASS-318-573	c 35	N79-14348* #
US-PATENT-CLASS-315-26	c 09	N71-23189* #	US-PATENT-CLASS-317-235R	c 14	N72-31446* #	US-PATENT-CLASS-318-576	c 09	N72-21246* #
US-PATENT-CLASS-315-297	c 14	N72-27411* #	US-PATENT-CLASS-317-235R	c 09	N73-19235* #	US-PATENT-CLASS-318-580	c 08	N74-10942* #
US-PATENT-CLASS-315-3 5	c 09	N73-13208* #	US-PATENT-CLASS-317-235R	c 09	N73-32112* #	US-PATENT-CLASS-318-580	c 04	N82-23231* #
US-PATENT-CLASS-315-3 5	c 33	N79-10339* #	US-PATENT-CLASS-317-235T	c 09	N73-19235* #	US-PATENT-CLASS-318-584	c 08	N81-24106* #
US-PATENT-CLASS-315-3 5	c 33	N82-26568* #	US-PATENT-CLASS-317-235UA	c 09	N73-19235* #	US-PATENT-CLASS-318-585	c 08	N79-23097* #
US-PATENT-CLASS-315-3 6	c 33	N79-10339* #	US-PATENT-CLASS-317-235VW	c 09	N73-32112* #	US-PATENT-CLASS-318-594	c 35	N79-14348* #
US-PATENT-CLASS-315-3 6	c 33	N82-24415* #	US-PATENT-CLASS-317-235	c 09	N69-24318* #	US-PATENT-CLASS-318-599	c 10	N71-24861* #
US-PATENT-CLASS-315-3 6	c 33	N82-26568* #	US-PATENT-CLASS-317-235	c 09	N72-33205* #	US-PATENT-CLASS-318-602	c 33	N74-29556* #
US-PATENT-CLASS-315-30R	c 10	N72-31273* #	US-PATENT-CLASS-317-238	c 09	N71-27232* #	US-PATENT-CLASS-318-603	c 33	N74-29556* #
US-PATENT-CLASS-315-307	c 14	N72-27411* #	US-PATENT-CLASS-317-245	c 33	N79-21265* #	US-PATENT-CLASS-318-608	c 33	N75-13139* #
US-PATENT-CLASS-315-30	c 33	N75-27250* #	US-PATENT-CLASS-317-246	c 14	N69-21541* #	US-PATENT-CLASS-318-616	c 08	N79-23097* #
US-PATENT-CLASS-315-310	c 14	N72-27411* #	US-PATENT-CLASS-317-246	c 33	N76-21390* #	US-PATENT-CLASS-318-620	c 33	N82-18493* #
US-PATENT-CLASS-315-311	c 14	N72-27411* #	US-PATENT-CLASS-317-246	c 35	N76-22509* #	US-PATENT-CLASS-318-621	c 33	N82-18493* #
US-PATENT-CLASS-315-324	c 09	N73-30181* #	US-PATENT-CLASS-317-247	c 14	N72-24477* #	US-PATENT-CLASS-318-622	c 33	N82-18493* #
US-PATENT-CLASS-315-326	c 25	N72-24753* #	US-PATENT-CLASS-317-258	c 09	N71-13522* #	US-PATENT-CLASS-318-628	c 08	N74-10942* #
US-PATENT-CLASS-315-334	c 33	N80-14330* #	US-PATENT-CLASS-317-258	c 33	N76-15373* #	US-PATENT-CLASS-318-640	c 33	N75-13139* #
US-PATENT-CLASS-315-344	c 33	N77-21315* #	US-PATENT-CLASS-317-261	c 26	N72-28761* #	US-PATENT-CLASS-318		

US-PATENT-CLASS-318-653

REPORT NUMBER INDEX

US-PATENT-CLASS-318-653	c 10	N71-27136*	US-PATENT-CLASS-322-35	c 33	N83-28319*	US-PATENT-CLASS-324-181	c 09	N71-24717*
US-PATENT-CLASS-318-663	c 37	N81-33483*	US-PATENT-CLASS-322-47	c 33	N83-28319*	US-PATENT-CLASS-324-186	c 09	N72-25257*
US-PATENT-CLASS-318-664	c 33	N74-29556*	US-PATENT-CLASS-322-95	c 33	N83-28319*	US-PATENT-CLASS-324-186	c 52	N74-12778*
US-PATENT-CLASS-318-675	c 33	N75-13139*	US-PATENT-CLASS-322-96	c 33	N77-26387*	US-PATENT-CLASS-324-20R	c 79	N72-23172*
US-PATENT-CLASS-318-675	c 37	N77-27400*	US-PATENT-CLASS-323-DIG.1	c 09	N72-21243*	US-PATENT-CLASS-324-20R	c 44	N79-12541*
US-PATENT-CLASS-318-685	c 33	N83-35227*	US-PATENT-CLASS-323-DIG.1	c 09	N72-25249*	US-PATENT-CLASS-324-207	c 35	N78-32396*
US-PATENT-CLASS-318-729	c 33	N83-34190*	US-PATENT-CLASS-323-DIG.1	c 33	N74-11049*	US-PATENT-CLASS-324-22	c 44	N79-12541*
US-PATENT-CLASS-318-798	c 33	N83-34190*	US-PATENT-CLASS-323-DIG.1	c 33	N77-10428*	US-PATENT-CLASS-324-249	c 35	N78-32397*
US-PATENT-CLASS-318-798	c 33	N83-35227*	US-PATENT-CLASS-323-106	c 33	N74-22885*	US-PATENT-CLASS-324-29 5	c 03	N72-25020*
US-PATENT-CLASS-318-799	c 33	N81-27395*	US-PATENT-CLASS-323-122	c 33	N74-22885*	US-PATENT-CLASS-324-29 5	c 14	N73-30388*
US-PATENT-CLASS-318-800	c 33	N83-31953*	US-PATENT-CLASS-323-128	c 33	N74-22885*	US-PATENT-CLASS-324-29 5	c 44	N74-27519*
US-PATENT-CLASS-318-803	c 33	N83-10345*	US-PATENT-CLASS-323-15	c 20	N79-20179*	US-PATENT-CLASS-324-30B	c 33	N76-19339*
US-PATENT-CLASS-318-803	c 33	N83-31953*	US-PATENT-CLASS-323-17	c 44	N80-14472*	US-PATENT-CLASS-324-30R	c 14	N73-20478*
US-PATENT-CLASS-318-806	c 33	N82-26569*	US-PATENT-CLASS-323-17	c 09	N72-25249*	US-PATENT-CLASS-324-32	c 14	N71-16014*
US-PATENT-CLASS-318-806	c 33	N83-34190*	US-PATENT-CLASS-323-17	c 33	N77-10428*	US-PATENT-CLASS-324-32	c 33	N75-18477*
US-PATENT-CLASS-318-806	c 33	N83-35227*	US-PATENT-CLASS-323-18	c 33	N78-17295*	US-PATENT-CLASS-324-32	c 33	N75-19522*
US-PATENT-CLASS-318-809	c 33	N83-31953*	US-PATENT-CLASS-323-19	c 08	N72-31226*	US-PATENT-CLASS-324-32	c 35	N78-28411*
US-PATENT-CLASS-318-810	c 33	N81-27395*	US-PATENT-CLASS-323-19	c 33	N78-17296*	US-PATENT-CLASS-324-33	c 25	N69-39884*
US-PATENT-CLASS-318-812	c 33	N82-26569*	US-PATENT-CLASS-323-19	c 44	N80-14472*	US-PATENT-CLASS-324-33	c 14	N70-35666*
US-PATENT-CLASS-318-830	c 33	N82-26569*	US-PATENT-CLASS-323-20	c 14	N71-27407*	US-PATENT-CLASS-324-33	c 24	N71-20518*
US-PATENT-CLASS-32-28	c 05	N73-27062*	US-PATENT-CLASS-323-20	c 20	N79-20179*	US-PATENT-CLASS-324-33	c 14	N71-21090*
US-PATENT-CLASS-32-58	c 05	N73-27062*	US-PATENT-CLASS-323-22T	c 09	N72-21243*	US-PATENT-CLASS-324-33	c 14	N71-27090*
US-PATENT-CLASS-320-13	c 03	N71-29129*	US-PATENT-CLASS-323-22T	c 09	N72-25249*	US-PATENT-CLASS-324-34FL	c 35	N74-21018*
US-PATENT-CLASS-320-13	c 44	N78-25531*	US-PATENT-CLASS-323-22T	c 33	N77-10428*	US-PATENT-CLASS-324-34R	c 26	N76-18257*
US-PATENT-CLASS-320-15	c 44	N78-14625*	US-PATENT-CLASS-323-22T	c 33	N79-23345*	US-PATENT-CLASS-324-34	c 25	N71-16073*
US-PATENT-CLASS-320-15	c 44	N78-25531*	US-PATENT-CLASS-323-22	c 09	N71-21449*	US-PATENT-CLASS-324-404	c 44	N80-18551*
US-PATENT-CLASS-320-17	c 03	N71-24605*	US-PATENT-CLASS-323-22	c 09	N72-23316*	US-PATENT-CLASS-324-40	c 38	N74-15395*
US-PATENT-CLASS-320-18	c 44	N78-14625*	US-PATENT-CLASS-323-23	c 33	N77-10428*	US-PATENT-CLASS-324-41	c 10	N72-28240*
US-PATENT-CLASS-320-21	c 44	N76-18643*	US-PATENT-CLASS-323-269	c 33	N83-27126*	US-PATENT-CLASS-324-43R	c 35	N76-16390*
US-PATENT-CLASS-320-22	c 44	N76-18643*	US-PATENT-CLASS-323-303	c 33	N83-27126*	US-PATENT-CLASS-324-43	c 14	N69-27423*
US-PATENT-CLASS-320-23	c 03	N71-19438*	US-PATENT-CLASS-323-350	c 33	N83-27126*	US-PATENT-CLASS-324-43	c 09	N70-40123*
US-PATENT-CLASS-320-2	c 44	N77-14581*	US-PATENT-CLASS-323-38	c 09	N72-21243*	US-PATENT-CLASS-324-43	c 14	N71-15962*
US-PATENT-CLASS-320-32	c 44	N78-25531*	US-PATENT-CLASS-323-44F	c 33	N79-17133*	US-PATENT-CLASS-324-43	c 14	N71-26135*
US-PATENT-CLASS-320-39	c 03	N71-24719*	US-PATENT-CLASS-323-48	c 09	N71-27053*	US-PATENT-CLASS-324-43	c 14	N71-27325*
US-PATENT-CLASS-320-39	c 44	N78-25531*	US-PATENT-CLASS-323-48	c 09	N72-25262*	US-PATENT-CLASS-324-466	c 33	N83-31954*
US-PATENT-CLASS-320-40	c 44	N78-14625*	US-PATENT-CLASS-323-4	c 33	N78-17294*	US-PATENT-CLASS-324-51	c 33	N80-26599*
US-PATENT-CLASS-320-48	c 03	N72-25020*	US-PATENT-CLASS-323-56	c 10	N71-22961*	US-PATENT-CLASS-324-51	c 33	N81-26359*
US-PATENT-CLASS-320-53	c 33	N78-17296*	US-PATENT-CLASS-323-56	c 09	N71-24893*	US-PATENT-CLASS-324-52	c 33	N82-24420*
US-PATENT-CLASS-320-6	c 44	N78-14625*	US-PATENT-CLASS-323-56	c 09	N72-22196*	US-PATENT-CLASS-324-52	c 14	N72-17325*
US-PATENT-CLASS-320-9	c 44	N78-25531*	US-PATENT-CLASS-323-60	c 09	N71-27053*	US-PATENT-CLASS-324-52	c 14	N73-28486*
US-PATENT-CLASS-321-1 5	c 09	N73-32109*	US-PATENT-CLASS-323-82	c 09	N72-25262*	US-PATENT-CLASS-324-52	c 33	N79-18193*
US-PATENT-CLASS-321-10	c 09	N72-17154*	US-PATENT-CLASS-323-89C	c 09	N72-22196*	US-PATENT-CLASS-324-52	c 33	N82-24420*
US-PATENT-CLASS-321-11	c 09	N69-39984*	US-PATENT-CLASS-323-8	c 10	N71-10578*	US-PATENT-CLASS-324-54	c 33	N75-18477*
US-PATENT-CLASS-321-11	c 09	N72-25252*	US-PATENT-CLASS-323-93	c 33	N77-31404*	US-PATENT-CLASS-324-57DE	c 33	N78-25319*
US-PATENT-CLASS-321-11	c 10	N73-26228*	US-PATENT-CLASS-324-5R	c 16	N73-13489*	US-PATENT-CLASS-324-57H	c 35	N77-32455*
US-PATENT-CLASS-321-12	c 10	N71-27366*	US-PATENT-CLASS-324-5	c 14	N71-20428*	US-PATENT-CLASS-324-57PS	c 35	N75-21582*
US-PATENT-CLASS-321-13	c 33	N77-14333*	US-PATENT-CLASS-324-DIG.1	c 33	N75-19520*	US-PATENT-CLASS-324-57R	c 15	N72-21464*
US-PATENT-CLASS-321-14	c 09	N72-22196*	US-PATENT-CLASS-324-DIG.1	c 33	N75-25041*	US-PATENT-CLASS-324-57R	c 14	N73-30388*
US-PATENT-CLASS-321-15	c 09	N72-22203*	US-PATENT-CLASS-324-0 5	c 14	N71-26137*	US-PATENT-CLASS-324-57R	c 35	N74-18090*
US-PATENT-CLASS-321-15	c 33	N75-19522*	US-PATENT-CLASS-324-0 5	c 14	N71-26266*	US-PATENT-CLASS-324-57R	c 33	N79-10338*
US-PATENT-CLASS-321-18	c 09	N72-22203*	US-PATENT-CLASS-324-0 5	c 36	N79-14362*	US-PATENT-CLASS-324-57R	c 35	N79-14349*
US-PATENT-CLASS-321-18	c 09	N72-25251*	US-PATENT-CLASS-324-102	c 09	N72-11225*	US-PATENT-CLASS-324-57SS	c 33	N78-25319*
US-PATENT-CLASS-321-18	c 09	N72-25252*	US-PATENT-CLASS-324-102	c 33	N74-17930*	US-PATENT-CLASS-324-57	c 10	N71-16057*
US-PATENT-CLASS-321-18	c 33	N74-11049*	US-PATENT-CLASS-324-102	c 33	N75-19521*	US-PATENT-CLASS-324-57	c 09	N71-20569*
US-PATENT-CLASS-321-19	c 09	N72-22196*	US-PATENT-CLASS-324-102	c 33	N79-11315*	US-PATENT-CLASS-324-58 5A	c 33	N75-26245*
US-PATENT-CLASS-321-19	c 09	N72-25252*	US-PATENT-CLASS-324-102	c 33	N79-14305*	US-PATENT-CLASS-324-58 5B	c 43	N78-10529*
US-PATENT-CLASS-321-19	c 33	N77-10428*	US-PATENT-CLASS-324-103	c 10	N71-27338*	US-PATENT-CLASS-324-58 5C	c 33	N75-26245*
US-PATENT-CLASS-321-25	c 09	N72-22196*	US-PATENT-CLASS-324-106	c 14	N70-38602*	US-PATENT-CLASS-324-58 5	c 15	N71-17822*
US-PATENT-CLASS-321-2	c 03	N69-21330*	US-PATENT-CLASS-324-106	c 08	N71-29138*	US-PATENT-CLASS-324-58 5	c 25	N71-20563*
US-PATENT-CLASS-321-2	c 03	N69-25146*	US-PATENT-CLASS-324-107	c 10	N71-27338*	US-PATENT-CLASS-324-58 5	c 14	N71-26137*
US-PATENT-CLASS-321-2	c 09	N71-12255*	US-PATENT-CLASS-324-112	c 33	N79-14305*	US-PATENT-CLASS-324-58 5	c 18	N71-27397*
US-PATENT-CLASS-321-2	c 03	N71-23188*	US-PATENT-CLASS-324-113	c 09	N70-41655*	US-PATENT-CLASS-324-58A	c 33	N78-25319*
US-PATENT-CLASS-321-2	c 03	N71-23239*	US-PATENT-CLASS-324-113	c 33	N75-19521*	US-PATENT-CLASS-324-59	c 35	N77-32455*
US-PATENT-CLASS-321-2	c 10	N71-26085*	US-PATENT-CLASS-324-113	c 33	N79-11315*	US-PATENT-CLASS-324-5	c 14	N71-28991*
US-PATENT-CLASS-321-2	c 09	N72-22196*	US-PATENT-CLASS-324-115	c 33	N79-14305*	US-PATENT-CLASS-324-60C	c 35	N75-12270*
US-PATENT-CLASS-321-2	c 09	N72-22203*	US-PATENT-CLASS-324-115	c 14	N71-26244*	US-PATENT-CLASS-324-60C	c 76	N76-20994*
US-PATENT-CLASS-321-2	c 03	N72-23048*	US-PATENT-CLASS-324-115	c 10	N72-20222*	US-PATENT-CLASS-324-60	c 33	N77-31404*
US-PATENT-CLASS-321-2	c 09	N72-25249*	US-PATENT-CLASS-324-117	c 14	N71-23037*	US-PATENT-CLASS-324-61R	c 14	N72-24477*
US-PATENT-CLASS-321-2	c 09	N72-25251*	US-PATENT-CLASS-324-118	c 33	N74-17930*	US-PATENT-CLASS-324-61R	c 35	N76-22509*
US-PATENT-CLASS-321-2	c 09	N72-25252*	US-PATENT-CLASS-324-119	c 09	N72-11225*	US-PATENT-CLASS-324-61	c 14	N69-39785*
US-PATENT-CLASS-321-2	c 09	N72-25253*	US-PATENT-CLASS-324-120	c 14	N71-19431*	US-PATENT-CLASS-324-61	c 14	N70-36618*
US-PATENT-CLASS-321-2	c 09	N72-25254*	US-PATENT-CLASS-324-120	c 09	N71-23021*	US-PATENT-CLASS-324-61	c 14	N71-10797*
US-PATENT-CLASS-321-2	c 33	N74-11049*	US-PATENT-CLASS-324-123C	c 33	N79-22373*	US-PATENT-CLASS-324-61	c 18	N71-27397*
US-PATENT-CLASS-321-2	c 33	N77-10428*	US-PATENT-CLASS-324-123R	c 09	N72-11225*	US-PATENT-CLASS-324-61	c 14	N72-22442*
US-PATENT-CLASS-321-45C	c 10	N73-26228*	US-PATENT-CLASS-324-127	c 33	N79-18193*	US-PATENT-CLASS-324-62R	c 14	N73-30388*
US-PATENT-CLASS-321-45ER	c 09	N72-25252*	US-PATENT-CLASS-324-130	c 35	N78-28411*	US-PATENT-CLASS-324-62	c 33	N80-32650*
US-PATENT-CLASS-321-45R	c 09	N72-25252*	US-PATENT-CLASS-324-132	c 09	N71-13530*	US-PATENT-CLASS-324-64	c 15	N72-21464*
US-PATENT-CLASS-321-45R	c 09	N72-25254*	US-PATENT-CLASS-324-132	c 10	N72-20222*	US-PATENT-CLASS-324-64	c 33	N80-32650*
US-PATENT-CLASS-321-45S	c 33	N74-22864*	US-PATENT-CLASS-324-133	c 10	N71-27338*	US-PATENT-CLASS-324-65P	c 14	N73-20478*
US-PATENT-CLASS-321-45S	c 33	N74-11049*	US-PATENT-CLASS-324-133	c 33	N79-10337*	US-PATENT-CLASS-324-65R	c 15	N72-23497*
US-PATENT-CLASS-321-45	c 09	N71-24800*	US-PATENT-CLASS-324-133	c 33	N79-11315*	US-PATENT-CLASS-324-65	c 14	N71-27186*
US-PATENT-CLASS-321-45	c 09	N72-22203*	US-PATENT-CLASS-324-133	c 33	N79-14305*	US-PATENT-CLASS-324-66	c 05	N72-16015*
US-PATENT-CLASS-321-47	c 09	N71-33109*	US-PATENT-CLASS-324-133	c 33	N79-18193*	US-PATENT-CLASS-324-70	c 14	N70-41332*
US-PATENT-CLASS-321-47	c 09	N72-25253*	US-PATENT-CLASS-324-158D	c 15	N72-25457*	US-PATENT-CLASS-324-70	c 14	N71-22990*
US-PATENT-CLASS-321-48	c 12	N71-20896*	US-PATENT-CLASS-324-158D	c 76	N76-20994*	US-PATENT-CLASS-324-70	c 10	N71-24863*
US-PATENT-CLASS-321-5	c 08	N71-18752*	US-PATENT-CLASS-324-158D	c 44	N80-18551*	US-PATENT-CLASS-324-71CP	c 35	N76-22509*
US-PATENT-CLASS-321-60	c 14	N71-23174*	US-PATENT-CLASS-324-158R	c 76	N76-20994*	US-PATENT-CLASS-324-71CP	c 35	N82-11431*
US-PATENT-CLASS-321-61	c 09	N71-27364*	US-PATENT-CLASS-324-158T	c 15	N72-25457*	US-PATENT-CLASS-324-71R	c 09	N72-21246*
US-PATENT-CLASS-321-64	c 09	N71-27364*	US-PATENT-CLASS-324-158T	c 35	N75-12270*	US-PATENT-CLASS-324-71R	c 15	N72-21464*
US-PATENT-CLASS-321-69	c 10	N71-26414*	US-PATENT-CLASS-324-158T	c 76	N76-20994*	US-PATENT-CLASS-324-71	c 09	N71-24843*
US-PATENT-CLASS-321-8R	c 35	N74-18090*	US-PATENT-CLASS-324-158T	c 33	N80-14332*	US-PATENT-CLASS-324-72 5	c 44	N74-27519*
US-PATENT-CLASS-321-9	c 10	N71-25139*	US-PATENT-CLASS-324-158	c 09	N69-21926*	US-PATENT-CLASS-324-72	c 10	N71-19421*
US-PATENT-CLASS-322-2R	c 07	N83-20944*	US-PATENT-CLASS-324-163	c 35	N77-30436*	US-PATENT-CLASS-324-72	c 14	N71-23699*
US-PATENT-CLASS-322-29	c 33	N83-28319*	US-PATENT-CLASS-324-165	c 35	N77-30436*	US-PATENT-CLASS-324-72	c 07	N73-20175*
US-PATENT-CLASS-322-2	c 03	N72-23048*	US-PATENT-CLASS-324-173	c 35	N78-32396*	US-PATENT-CLASS-324-72	c 14	N73-32318*
US-PATENT-CLASS-322-32	c 09	N71-27364*	US-PATENT-CLASS-324-174	c 35	N77-30436*	US-PATENT-CLASS-324-72	c 33	N74-27862*

REPORT NUMBER INDEX

US-PATENT-CLASS-329-104

US-PATENT-CLASS-324-72	c 33	N75-26246* #	US-PATENT-CLASS-325-349	c 32	N77-10392* #	US-PATENT-CLASS-328-129	c 14	N73-30386* #
US-PATENT-CLASS-324-72	c 33	N77-10429* #	US-PATENT-CLASS-325-363	c 07	N71-11267* #	US-PATENT-CLASS-328-133	c 09	N71-24596* #
US-PATENT-CLASS-324-72	c 33	N79-10337* #	US-PATENT-CLASS-325-363	c 14	N71-26774* #	US-PATENT-CLASS-328-133	c 10	N72-20224* #
US-PATENT-CLASS-324-72	c 33	N79-14305* #	US-PATENT-CLASS-325-363	c 14	N72-28437* #	US-PATENT-CLASS-328-133	c 33	N75-26243* #
US-PATENT-CLASS-324-72	c 47	N82-24779* #	US-PATENT-CLASS-325-363	c 10	N73-25241* #	US-PATENT-CLASS-328-133	c 33	N77-13315* #
US-PATENT-CLASS-324-73AT	c 08	N72-22166* #	US-PATENT-CLASS-325-363	c 35	N80-18359* #	US-PATENT-CLASS-328-133	c 33	N79-11313* #
US-PATENT-CLASS-324-73AT	c 33	N81-26359* #	US-PATENT-CLASS-325-369	c 07	N71-27056* #	US-PATENT-CLASS-328-134	c 08	N71-18692* #
US-PATENT-CLASS-324-73R	c 33	N83-18996* #	US-PATENT-CLASS-325-372	c 32	N76-14321* #	US-PATENT-CLASS-328-134	c 14	N73-30386* #
US-PATENT-CLASS-324-73	c 14	N71-28991* #	US-PATENT-CLASS-325-373	c 07	N72-33146* #	US-PATENT-CLASS-328-134	c 33	N76-16331* #
US-PATENT-CLASS-324-74	c 35	N78-28411* #	US-PATENT-CLASS-325-388	c 35	N74-17885* #	US-PATENT-CLASS-328-134	c 33	N81-17349* #
US-PATENT-CLASS-324-77B	c 60	N75-13539* #	US-PATENT-CLASS-325-38	c 07	N72-20140* #	US-PATENT-CLASS-328-136	c 09	N72-25257* #
US-PATENT-CLASS-324-77B	c 32	N79-10262* #	US-PATENT-CLASS-325-38	c 07	N72-25173* #	US-PATENT-CLASS-328-140	c 09	N72-25257* #
US-PATENT-CLASS-324-77C	c 32	N79-10262* #	US-PATENT-CLASS-325-39	c 07	N72-11149* #	US-PATENT-CLASS-328-142	c 09	N72-21245* #
US-PATENT-CLASS-324-77G	c 08	N72-20177* #	US-PATENT-CLASS-325-40	c 07	N73-26118* #	US-PATENT-CLASS-328-145	c 32	N76-14321* #
US-PATENT-CLASS-324-77H	c 35	N75-21582* #	US-PATENT-CLASS-325-419	c 10	N73-16205* #	US-PATENT-CLASS-328-145	c 09	N72-23173* #
US-PATENT-CLASS-324-77K	c 35	N79-10391* #	US-PATENT-CLASS-325-419	c 07	N73-28012* #	US-PATENT-CLASS-328-145	c 33	N76-32339* #
US-PATENT-CLASS-324-77R	c 10	N73-25240* #	US-PATENT-CLASS-325-419	c 32	N74-20810* #	US-PATENT-CLASS-328-150	c 33	N78-18308* #
US-PATENT-CLASS-324-77R	c 47	N82-24779* #	US-PATENT-CLASS-325-419	c 32	N74-20811* #	US-PATENT-CLASS-328-151	c 09	N72-22200* #
US-PATENT-CLASS-324-77	c 09	N71-10659* #	US-PATENT-CLASS-325-419	c 32	N80-18253* #	US-PATENT-CLASS-328-151	c 33	N75-18479* #
US-PATENT-CLASS-324-77	c 07	N71-24622* #	US-PATENT-CLASS-325-41	c 10	N71-26577* #	US-PATENT-CLASS-328-151	c 33	N81-27396* #
US-PATENT-CLASS-324-78D	c 09	N72-25257* #	US-PATENT-CLASS-325-41	c 32	N77-12240* #	US-PATENT-CLASS-328-154	c 08	N72-22162* #
US-PATENT-CLASS-324-78D	c 52	N74-12778* #	US-PATENT-CLASS-325-41	c 32	N79-10263* #	US-PATENT-CLASS-328-154	c 10	N73-13235* #
US-PATENT-CLASS-324-78E	c 14	N73-24473* #	US-PATENT-CLASS-325-420	c 07	N73-30113* #	US-PATENT-CLASS-328-154	c 33	N74-22814* #
US-PATENT-CLASS-324-78J	c 10	N73-25240* #	US-PATENT-CLASS-325-422	c 07	N73-30113* #	US-PATENT-CLASS-328-155	c 10	N72-16172* #
US-PATENT-CLASS-324-78J	c 33	N73-19515* #	US-PATENT-CLASS-325-423	c 32	N74-20809* #	US-PATENT-CLASS-328-155	c 09	N72-33204* #
US-PATENT-CLASS-324-79D	c 14	N73-30386* #	US-PATENT-CLASS-325-42	c 07	N71-11266* #	US-PATENT-CLASS-328-155	c 33	N74-17927* #
US-PATENT-CLASS-324-79D	c 33	N76-16331* #	US-PATENT-CLASS-325-42	c 32	N76-21366* #	US-PATENT-CLASS-328-155	c 17	N76-22245* #
US-PATENT-CLASS-324-79R	c 14	N72-27408* #	US-PATENT-CLASS-325-42	c 32	N77-30308* #	US-PATENT-CLASS-328-160	c 32	N74-19788* #
US-PATENT-CLASS-324-83A	c 10	N72-20224* #	US-PATENT-CLASS-325-445	c 07	N72-20141* #	US-PATENT-CLASS-328-161	c 33	N77-17354* #
US-PATENT-CLASS-324-83D	c 33	N79-10338* #	US-PATENT-CLASS-325-446	c 09	N69-24324* #	US-PATENT-CLASS-328-163	c 33	N79-10338* #
US-PATENT-CLASS-324-83Q	c 35	N74-21017* #	US-PATENT-CLASS-325-45	c 07	N73-25160* #	US-PATENT-CLASS-328-164	c 07	N71-33696* #
US-PATENT-CLASS-324-83Q	c 33	N75-26243* #	US-PATENT-CLASS-325-473	c 07	N71-33696* #	US-PATENT-CLASS-328-165	c 09	N71-24806* #
US-PATENT-CLASS-324-85	c 10	N72-20224* #	US-PATENT-CLASS-325-473	c 10	N73-12244* #	US-PATENT-CLASS-328-165	c 07	N71-33696* #
US-PATENT-CLASS-324-85	c 33	N79-10338* #	US-PATENT-CLASS-325-476	c 32	N77-30308* #	US-PATENT-CLASS-328-166	c 10	N72-20223* #
US-PATENT-CLASS-324-92	c 26	N72-25680* #	US-PATENT-CLASS-325-476	c 32	N77-10392* #	US-PATENT-CLASS-328-166	c 33	N82-29539* #
US-PATENT-CLASS-324-95	c 10	N71-12554* #	US-PATENT-CLASS-325-478	c 07	N71-33696* #	US-PATENT-CLASS-328-167	c 10	N71-22986* #
US-PATENT-CLASS-324-95	c 14	N73-30388* #	US-PATENT-CLASS-325-480	c 07	N71-33696* #	US-PATENT-CLASS-328-167	c 08	N71-29034* #
US-PATENT-CLASS-324-96	c 26	N72-25680* #	US-PATENT-CLASS-325-480	c 10	N73-12244* #	US-PATENT-CLASS-328-167	c 10	N72-17171* #
US-PATENT-CLASS-324-96	c 33	N79-10337* #	US-PATENT-CLASS-325-482	c 07	N71-33696* #	US-PATENT-CLASS-328-167	c 09	N72-21245* #
US-PATENT-CLASS-324-99D	c 33	N79-22373* #	US-PATENT-CLASS-325-492	c 09	N72-17153* #	US-PATENT-CLASS-328-167	c 09	N73-20231* #
US-PATENT-CLASS-325-10	c 07	N72-12081* #	US-PATENT-CLASS-325-492	c 09	N72-22202* #	US-PATENT-CLASS-328-167	c 08	N73-26175* #
US-PATENT-CLASS-325-113	c 07	N71-24840* #	US-PATENT-CLASS-325-4	c 09	N71-16088* #	US-PATENT-CLASS-328-167	c 33	N82-24417* #
US-PATENT-CLASS-325-113	c 07	N73-25160* #	US-PATENT-CLASS-325-4	c 07	N71-19773* #	US-PATENT-CLASS-328-168	c 32	N74-19788* #
US-PATENT-CLASS-325-113	c 52	N74-26625* #	US-PATENT-CLASS-325-4	c 07	N71-24621* #	US-PATENT-CLASS-328-16	c 10	N72-20223* #
US-PATENT-CLASS-325-114	c 07	N72-25171* #	US-PATENT-CLASS-325-4	c 07	N72-11149* #	US-PATENT-CLASS-328-171	c 10	N71-24844* #
US-PATENT-CLASS-325-114	c 03	N76-32140* #	US-PATENT-CLASS-325-4	c 07	N72-12080* #	US-PATENT-CLASS-328-172	c 32	N74-19788* #
US-PATENT-CLASS-325-115	c 03	N76-32140* #	US-PATENT-CLASS-325-4	c 07	N72-20140* #	US-PATENT-CLASS-328-172	c 33	N78-17294* #
US-PATENT-CLASS-325-118	c 17	N78-17140* #	US-PATENT-CLASS-325-4	c 07	N72-25171* #	US-PATENT-CLASS-328-186	c 09	N72-17157* #
US-PATENT-CLASS-325-12	c 07	N73-20174* #	US-PATENT-CLASS-325-4	c 07	N73-20174* #	US-PATENT-CLASS-328-187	c 10	N73-20254* #
US-PATENT-CLASS-325-139	c 07	N73-25160* #	US-PATENT-CLASS-325-4	c 15	N75-13007* #	US-PATENT-CLASS-328-189	c 14	N72-27408* #
US-PATENT-CLASS-325-13	c 07	N72-12081* #	US-PATENT-CLASS-325-4	c 32	N75-26185* #	US-PATENT-CLASS-328-190	c 33	N76-14371* #
US-PATENT-CLASS-325-141	c 07	N72-25173* #	US-PATENT-CLASS-325-4	c 32	N77-20289* #	US-PATENT-CLASS-328-192	c 60	N81-15706* #
US-PATENT-CLASS-325-141	c 52	N74-26625* #	US-PATENT-CLASS-325-4	c 32	N79-11265* #	US-PATENT-CLASS-328-1	c 23	N71-16099* #
US-PATENT-CLASS-325-143	c 05	N71-12342* #	US-PATENT-CLASS-325-4	c 32	N80-20448* #	US-PATENT-CLASS-328-1	c 10	N71-19472* #
US-PATENT-CLASS-325-145	c 32	N77-14292* #	US-PATENT-CLASS-325-51	c 07	N72-25173* #	US-PATENT-CLASS-328-1	c 09	N72-22200* #
US-PATENT-CLASS-325-148	c 32	N74-19790* #	US-PATENT-CLASS-325-55	c 07	N72-25173* #	US-PATENT-CLASS-328-207	c 09	N71-28468* #
US-PATENT-CLASS-325-14	c 17	N76-21250* #	US-PATENT-CLASS-325-58	c 07	N72-11149* #	US-PATENT-CLASS-328-207	c 10	N71-28860* #
US-PATENT-CLASS-325-14	c 32	N80-20448* #	US-PATENT-CLASS-325-58	c 07	N72-20140* #	US-PATENT-CLASS-328-207	c 09	N71-29139* #
US-PATENT-CLASS-325-151 11	c 08	N71-27057* #	US-PATENT-CLASS-325-58	c 07	N72-25173* #	US-PATENT-CLASS-328-207	c 10	N72-20221* #
US-PATENT-CLASS-325-159	c 33	N78-32340* #	US-PATENT-CLASS-325-58	c 32	N78-15323* #	US-PATENT-CLASS-328-20	c 10	N72-20223* #
US-PATENT-CLASS-325-163	c 07	N71-23405* #	US-PATENT-CLASS-325-58	c 32	N79-20296* #	US-PATENT-CLASS-328-233	c 10	N71-22962* #
US-PATENT-CLASS-325-16	c 07	N71-27056* #	US-PATENT-CLASS-325-5	c 07	N73-20174* #	US-PATENT-CLASS-328-233	c 75	N75-13625* #
US-PATENT-CLASS-325-17	c 07	N73-20174* #	US-PATENT-CLASS-325-60	c 08	N71-19763* #	US-PATENT-CLASS-328-233	c 37	N78-17386* #
US-PATENT-CLASS-325-185	c 07	N71-28430* #	US-PATENT-CLASS-325-60	c 07	N73-16121* #	US-PATENT-CLASS-328-24	c 09	N72-33204* #
US-PATENT-CLASS-325-186	c 03	N76-32140* #	US-PATENT-CLASS-325-60	c 32	N75-24981* #	US-PATENT-CLASS-328-37	c 08	N71-12503* #
US-PATENT-CLASS-325-187	c 33	N78-32340* #	US-PATENT-CLASS-325-61	c 07	N73-25160* #	US-PATENT-CLASS-328-37	c 10	N73-20254* #
US-PATENT-CLASS-325-23	c 07	N71-27056* #	US-PATENT-CLASS-325-62	c 08	N72-25208* #	US-PATENT-CLASS-328-37	c 33	N76-14373* #
US-PATENT-CLASS-325-28	c 09	N72-22202* #	US-PATENT-CLASS-325-62	c 44	N74-19870* #	US-PATENT-CLASS-328-37	c 33	N81-17349* #
US-PATENT-CLASS-325-302	c 07	N72-25173* #	US-PATENT-CLASS-325-63	c 10	N71-19487* #	US-PATENT-CLASS-328-38	c 10	N72-20223* #
US-PATENT-CLASS-325-304	c 32	N76-14321* #	US-PATENT-CLASS-325-63	c 07	N73-20174* #	US-PATENT-CLASS-328-38	c 33	N77-24375* #
US-PATENT-CLASS-325-305	c 07	N71-10775* #	US-PATENT-CLASS-325-63	c 32	N78-15323* #	US-PATENT-CLASS-328-39	c 33	N77-24375* #
US-PATENT-CLASS-325-305	c 10	N71-20841* #	US-PATENT-CLASS-325-63	c 32	N79-20296* #	US-PATENT-CLASS-328-4-8	c 33	N77-24375* #
US-PATENT-CLASS-325-305	c 07	N71-23098* #	US-PATENT-CLASS-325-64	c 07	N72-25173* #	US-PATENT-CLASS-328-41	c 33	N75-31330* #
US-PATENT-CLASS-325-305	c 32	N80-18253* #	US-PATENT-CLASS-325-65	c 07	N70-41331* #	US-PATENT-CLASS-328-42	c 08	N71-19432* #
US-PATENT-CLASS-325-306	c 32	N76-14321* #	US-PATENT-CLASS-325-65	c 07	N70-41372* #	US-PATENT-CLASS-328-44	c 08	N71-29034* #
US-PATENT-CLASS-325-307	c 32	N80-18253* #	US-PATENT-CLASS-325-65	c 07	N71-11284* #	US-PATENT-CLASS-328-48	c 14	N73-30386* #
US-PATENT-CLASS-325-30	c 32	N74-26654* #	US-PATENT-CLASS-325-65	c 32	N77-30308* #	US-PATENT-CLASS-328-48	c 33	N74-10223* #
US-PATENT-CLASS-325-30	c 32	N75-24981* #	US-PATENT-CLASS-325-66	c 17	N78-17140* #	US-PATENT-CLASS-328-48	c 60	N81-15706* #
US-PATENT-CLASS-325-30	c 32	N77-30308* #	US-PATENT-CLASS-325-67	c 07	N71-26292* #	US-PATENT-CLASS-328-49	c 10	N71-27137* #
US-PATENT-CLASS-325-31	c 07	N71-20791* #	US-PATENT-CLASS-325-67	c 10	N73-25241* #	US-PATENT-CLASS-328-55	c 33	N81-17349* #
US-PATENT-CLASS-325-320	c 33	N74-12887* #	US-PATENT-CLASS-325-67	c 35	N75-21582* #	US-PATENT-CLASS-328-58	c 08	N71-29138* #
US-PATENT-CLASS-325-320	c 32	N74-20809* #	US-PATENT-CLASS-325-67	c 32	N79-11265* #	US-PATENT-CLASS-328-58	c 33	N74-32711* #
US-PATENT-CLASS-325-320	c 32	N74-20811* #	US-PATENT-CLASS-325-7	c 07	N73-20174* #	US-PATENT-CLASS-328-58	c 33	N75-18479* #
US-PATENT-CLASS-325-320	c 33	N74-27705* #	US-PATENT-CLASS-325-8	c 07	N73-20174* #	US-PATENT-CLASS-328-59	c 33	N75-19515* #
US-PATENT-CLASS-325-321	c 07	N72-20140* #	US-PATENT-CLASS-325-9	c 32	N80-20448* #	US-PATENT-CLASS-328-61	c 09	N71-23525* #
US-PATENT-CLASS-325-321	c 32	N74-20810* #	US-PATENT-CLASS-325-9	c 07	N73-20174* #	US-PATENT-CLASS-328-61	c 10	N73-20254* #
US-PATENT-CLASS-325-321	c 32	N76-16249* #	US-PATENT-CLASS-325-9	c 32	N80-20448* #	US-PATENT-CLASS-328-61	c 35	N75-30504* #
US-PATENT-CLASS-325-323	c 32	N77-10392* #	US-PATENT-CLASS-328-104	c 08	N72-22162* #	US-PATENT-CLASS-328-62	c 35	N75-30504* #
US-PATENT-CLASS-325-325	c 07	N71-24613* #	US-PATENT-CLASS-328-104	c 10	N73-13235* #	US-PATENT-CLASS-328-63	c 33	N76-14371* #
US-PATENT-CLASS-325-325	c 07	N72-25173* #	US-PATENT-CLASS-328-106	c 09	N72-22201* #	US-PATENT-CLASS-328-63	c 33	N77-24375* #
US-PATENT-CLASS-325-325	c 07	N73-13149* #	US-PATENT-CLASS-328-110	c 09	N71-12519* #	US-PATENT-CLASS-328-67	c 10	N71-28960* #
US-PATENT-CLASS-325-346	c 10	N73-16205* #	US-PATENT-CLASS-328-111	c 60	N77-12721* #	US-PATENT-CLASS-328-67	c 33	N82-24418* #
US-PATENT-CLASS-325-346	c 32	N74-30523* #	US-PATENT-CLASS-328-115	c 33	N75-18479* #	US-PATENT-CLASS-328-71	c 60	N81-15706* #
US-PATENT-CLASS-325-346	c 32	N77-24331* #	US-PATENT-CLASS-328-116	c 09	N69-39885* #	US-PATENT-CLASS-328-92	c 10	N71-28860* #
US-PATENT-CLASS-								

US-PATENT-CLASS-329-104

REPORT NUMBER INDEX

US-PATENT-CLASS-329-104	c 32	N77-24331* #	US-PATENT-CLASS-330-24	c 33	N75-30429* #	US-PATENT-CLASS-331-113	c 09	N70-38995* #
US-PATENT-CLASS-329-107	c 35	N81-19427* #	US-PATENT-CLASS-330-26	c 10	N72-17172* #	US-PATENT-CLASS-331-113	c 10	N71-19418* #
US-PATENT-CLASS-329-119	c 33	N77-21314* #	US-PATENT-CLASS-330-27R	c 10	N72-31273* #	US-PATENT-CLASS-331-113	c 09	N71-19470* #
US-PATENT-CLASS-329-120	c 07	N73-30113* #	US-PATENT-CLASS-330-282	c 33	N83-36356* #	US-PATENT-CLASS-331-113	c 10	N71-25882* #
US-PATENT-CLASS-329-122	c 10	N71-19469* #	US-PATENT-CLASS-330-289	c 33	N83-34191* #	US-PATENT-CLASS-331-113	c 10	N71-25950* #
US-PATENT-CLASS-329-122	c 07	N73-28012* #	US-PATENT-CLASS-330-28	c 33	N74-21851* #	US-PATENT-CLASS-331-113	c 09	N71-28810* #
US-PATENT-CLASS-329-122	c 33	N74-12887* #	US-PATENT-CLASS-330-28	c 33	N77-14335* #	US-PATENT-CLASS-331-114	c 33	N77-17351* #
US-PATENT-CLASS-329-122	c 32	N74-20811* #	US-PATENT-CLASS-330-290	c 33	N82-24417* #	US-PATENT-CLASS-331-115	c 10	N72-33230* #
US-PATENT-CLASS-329-122	c 33	N77-14334* #	US-PATENT-CLASS-330-294	c 33	N82-24417* #	US-PATENT-CLASS-331-115	c 33	N74-20862* #
US-PATENT-CLASS-329-122	c 32	N77-24331* #	US-PATENT-CLASS-330-29	c 09	N69-24330* #	US-PATENT-CLASS-331-116R	c 10	N72-33230* #
US-PATENT-CLASS-329-122	c 32	N79-14267* #	US-PATENT-CLASS-330-29	c 10	N72-28241* #	US-PATENT-CLASS-331-116R	c 33	N74-20862* #
US-PATENT-CLASS-329-122	c 33	N81-33405* #	US-PATENT-CLASS-330-2	c 09	N69-39986* #	US-PATENT-CLASS-331-117R	c 33	N74-26732* #
US-PATENT-CLASS-329-124	c 33	N77-14334* #	US-PATENT-CLASS-330-2	c 09	N72-25250* #	US-PATENT-CLASS-331-117	c 10	N71-27271* #
US-PATENT-CLASS-329-124	c 33	N78-32338* #	US-PATENT-CLASS-330-2	c 33	N78-10375* #	US-PATENT-CLASS-331-117	c 09	N72-22203* #
US-PATENT-CLASS-329-126	c 33	N74-12887* #	US-PATENT-CLASS-330-2	c 33	N79-22373* #	US-PATENT-CLASS-331-12	c 33	N78-32338* #
US-PATENT-CLASS-329-140	c 07	N71-24583* #	US-PATENT-CLASS-330-30D	c 10	N72-20221* #	US-PATENT-CLASS-331-135	c 10	N73-32145* #
US-PATENT-CLASS-329-145	c 07	N71-33696* #	US-PATENT-CLASS-330-30D	c 09	N72-20232* #	US-PATENT-CLASS-331-14	c 09	N72-21247* #
US-PATENT-CLASS-329-161	c 07	N72-20141* #	US-PATENT-CLASS-330-306	c 33	N82-24417* #	US-PATENT-CLASS-331-14	c 33	N74-10194* #
US-PATENT-CLASS-329-162	c 07	N72-20141* #	US-PATENT-CLASS-330-30	c 09	N71-19466* #	US-PATENT-CLASS-331-14	c 33	N79-11313* #
US-PATENT-CLASS-329-166	c 33	N75-19520* #	US-PATENT-CLASS-330-30	c 09	N71-19516* #	US-PATENT-CLASS-331-159	c 33	N74-20862* #
US-PATENT-CLASS-329-166	c 33	N75-25041* #	US-PATENT-CLASS-330-30	c 09	N71-27016* #	US-PATENT-CLASS-331-177R	c 09	N73-15235* #
US-PATENT-CLASS-329-204	c 33	N75-19520* #	US-PATENT-CLASS-330-310	c 33	N83-34191* #	US-PATENT-CLASS-331-177V	c 09	N77-17351* #
US-PATENT-CLASS-329-204	c 33	N75-25041* #	US-PATENT-CLASS-330-31	c 10	N71-26331* #	US-PATENT-CLASS-331-177	c 10	N71-27271* #
US-PATENT-CLASS-329-205	c 33	N77-21314* #	US-PATENT-CLASS-330-31	c 10	N72-17172* #	US-PATENT-CLASS-331-178	c 33	N74-10194* #
US-PATENT-CLASS-329-50	c 33	N74-17930* #	US-PATENT-CLASS-330-35	c 09	N72-17156* #	US-PATENT-CLASS-331-17	c 10	N71-20852* #
US-PATENT-CLASS-329-50	c 35	N81-19427* #	US-PATENT-CLASS-330-35	c 09	N73-20232* #	US-PATENT-CLASS-331-17	c 10	N73-27171* #
US-PATENT-CLASS-33 8UB	c 27	N81-15104* #	US-PATENT-CLASS-330-35	c 33	N74-14939* #	US-PATENT-CLASS-331-17	c 33	N74-10194* #
US-PATENT-CLASS-33-DIG 13	c 35	N75-12273* #	US-PATENT-CLASS-330-4 3	c 16	N73-32391* #	US-PATENT-CLASS-331-183	c 33	N74-26732* #
US-PATENT-CLASS-33-1G	c 37	N76-21554* #	US-PATENT-CLASS-330-4 3	c 36	N75-19655* #	US-PATENT-CLASS-331-18	c 10	N71-26374* #
US-PATENT-CLASS-33-1M	c 35	N74-32877* #	US-PATENT-CLASS-330-4 3	c 36	N75-27364* #	US-PATENT-CLASS-331-18	c 33	N74-10194* #
US-PATENT-CLASS-33-1N	c 43	N79-26439* #	US-PATENT-CLASS-330-4 3	c 36	N75-32441* #	US-PATENT-CLASS-331-18	c 33	N75-25040* #
US-PATENT-CLASS-33-1Q	c 43	N79-26439* #	US-PATENT-CLASS-330-4 3	c 36	N76-29575* #	US-PATENT-CLASS-331-23	c 09	N72-21247* #
US-PATENT-CLASS-33-1SA	c 14	N72-28436* #	US-PATENT-CLASS-330-4 3	c 36	N77-25502* #	US-PATENT-CLASS-331-23	c 33	N77-14334* #
US-PATENT-CLASS-33-1SA	c 19	N74-21015* #	US-PATENT-CLASS-330-4 3	c 73	N78-19920* #	US-PATENT-CLASS-331-23	c 33	N79-11313* #
US-PATENT-CLASS-33-125R	c 52	N80-20702* #	US-PATENT-CLASS-330-4 3	c 36	N82-28616* #	US-PATENT-CLASS-331-25	c 10	N73-27171* #
US-PATENT-CLASS-33-125	c 14	N72-11364* #	US-PATENT-CLASS-330-4 5	c 09	N72-25258* #	US-PATENT-CLASS-331-25	c 33	N75-25040* #
US-PATENT-CLASS-33-143C	c 52	N82-22875* #	US-PATENT-CLASS-330-4 9	c 33	N74-32660* #	US-PATENT-CLASS-331-27	c 33	N79-11313* #
US-PATENT-CLASS-33-147	c 15	N71-19489* #	US-PATENT-CLASS-330-40	c 07	N71-28430* #	US-PATENT-CLASS-331-30	c 09	N72-21247* #
US-PATENT-CLASS-33-148D	c 35	N75-19615* #	US-PATENT-CLASS-330-40	c 09	N72-17155* #	US-PATENT-CLASS-331-34	c 07	N72-11150* #
US-PATENT-CLASS-33-149	c 14	N71-17657* #	US-PATENT-CLASS-330-40	c 09	N73-20232* #	US-PATENT-CLASS-331-36C	c 33	N77-14334* #
US-PATENT-CLASS-33-15A	c 08	N72-11172* #	US-PATENT-CLASS-330-40	c 33	N75-30428* #	US-PATENT-CLASS-331-3	c 35	N76-15436* #
US-PATENT-CLASS-33-155R	c 33	N76-19338* #	US-PATENT-CLASS-330-43	c 33	N79-10339* #	US-PATENT-CLASS-331-44	c 14	N72-27408* #
US-PATENT-CLASS-33-174B	c 37	N76-21554* #	US-PATENT-CLASS-330-43	c 33	N82-26568* #	US-PATENT-CLASS-331-45	c 10	N73-16206* #
US-PATENT-CLASS-33-174D	c 33	N76-19338* #	US-PATENT-CLASS-330-49	c 14	N70-35220* #	US-PATENT-CLASS-331-48	c 33	N81-17349* #
US-PATENT-CLASS-33-174L	c 43	N79-26439* #	US-PATENT-CLASS-330-4	c 16	N71-15550* #	US-PATENT-CLASS-331-4	c 09	N69-21543* #
US-PATENT-CLASS-33-174S	c 14	N72-22445* #	US-PATENT-CLASS-330-4	c 16	N71-24831* #	US-PATENT-CLASS-331-4	c 33	N74-10194* #
US-PATENT-CLASS-33-174	c 14	N69-21363* #	US-PATENT-CLASS-330-4	c 16	N72-28521* #	US-PATENT-CLASS-331-4	c 33	N78-32338* #
US-PATENT-CLASS-33-174	c 14	N71-17658* #	US-PATENT-CLASS-330-4	c 36	N75-15029* #	US-PATENT-CLASS-331-62	c 33	N74-11049* #
US-PATENT-CLASS-33-174	c 14	N74-26493* #	US-PATENT-CLASS-330-4	c 36	N76-31512* #	US-PATENT-CLASS-331-64	c 33	N78-32338* #
US-PATENT-CLASS-33-180R	c 35	N75-12273* #	US-PATENT-CLASS-330-4	c 36	N78-18410* #	US-PATENT-CLASS-331-65	c 35	N75-29380* #
US-PATENT-CLASS-33-189	c 15	N71-26145* #	US-PATENT-CLASS-330-4	c 36	N80-18372* #	US-PATENT-CLASS-331-65	c 33	N80-23559* #
US-PATENT-CLASS-33-1	c 14	N70-36907* #	US-PATENT-CLASS-330-4	c 36	N83-35350* #	US-PATENT-CLASS-331-66	c 07	N72-11150* #
US-PATENT-CLASS-33-204C	c 08	N72-11172* #	US-PATENT-CLASS-330-5 5	c 71	N77-26919* #	US-PATENT-CLASS-331-78	c 09	N71-23598* #
US-PATENT-CLASS-33-207	c 15	N71-15571* #	US-PATENT-CLASS-330-51	c 10	N71-28859* #	US-PATENT-CLASS-331-78	c 08	N73-12175* #
US-PATENT-CLASS-33-23R	c 35	N74-32877* #	US-PATENT-CLASS-330-51	c 33	N79-22373* #	US-PATENT-CLASS-331-78	c 33	N75-19515* #
US-PATENT-CLASS-33-268	c 89	N74-30886* #	US-PATENT-CLASS-330-52	c 71	N78-14867* #	US-PATENT-CLASS-331-7	c 07	N72-11150* #
US-PATENT-CLASS-33-285	c 36	N74-21091* #	US-PATENT-CLASS-330-53	c 33	N74-32660* #	US-PATENT-CLASS-331-90	c 09	N73-15235* #
US-PATENT-CLASS-33-286	c 18	N76-14186* #	US-PATENT-CLASS-330-59	c 09	N72-25250* #	US-PATENT-CLASS-331-94 5A	c 16	N73-33397* #
US-PATENT-CLASS-33-31	c 14	N71-21079* #	US-PATENT-CLASS-330-59	c 33	N74-21851* #	US-PATENT-CLASS-331-94 5A	c 36	N75-27364* #
US-PATENT-CLASS-33-322	c 06	N83-33882* #	US-PATENT-CLASS-330-59	c 33	N77-14335* #	US-PATENT-CLASS-331-94 5C	c 36	N75-31427* #
US-PATENT-CLASS-33-356	c 04	N76-20114* #	US-PATENT-CLASS-330-5	c 33	N75-27251* #	US-PATENT-CLASS-331-94 5C	c 36	N76-18428* #
US-PATENT-CLASS-33-356	c 04	N77-19056* #	US-PATENT-CLASS-330-61	c 09	N71-23097* #	US-PATENT-CLASS-331-94 5C	c 36	N76-24553* #
US-PATENT-CLASS-33-366	c 35	N78-32395* #	US-PATENT-CLASS-330-63	c 33	N75-30428* #	US-PATENT-CLASS-331-94 5C	c 36	N76-29575* #
US-PATENT-CLASS-33-46R	c 19	N74-21015* #	US-PATENT-CLASS-330-69	c 33	N74-32712* #	US-PATENT-CLASS-331-94 5C	c 36	N80-14384* #
US-PATENT-CLASS-33-72	c 15	N72-11366* #	US-PATENT-CLASS-330-69	c 33	N75-19518* #	US-PATENT-CLASS-331-94 5C	c 36	N82-13415* #
US-PATENT-CLASS-33-75R	c 14	N72-28436* #	US-PATENT-CLASS-330-6	c 35	N75-13213* #	US-PATENT-CLASS-331-94 5D	c 33	N74-20859* #
US-PATENT-CLASS-33-96	c 33	N75-30430* #	US-PATENT-CLASS-330-70CR	c 10	N73-27171* #	US-PATENT-CLASS-331-94 5D	c 36	N77-19416* #
US-PATENT-CLASS-330-103	c 32	N74-22096* #	US-PATENT-CLASS-330-70R	c 09	N72-21245* #	US-PATENT-CLASS-331-94 5D	c 36	N77-25502* #
US-PATENT-CLASS-330-107	c 10	N72-11256* #	US-PATENT-CLASS-330-80T	c 09	N73-20232* #	US-PATENT-CLASS-331-94 5D	c 35	N77-27366* #
US-PATENT-CLASS-330-107	c 10	N72-17172* #	US-PATENT-CLASS-330-85	c 09	N72-21245* #	US-PATENT-CLASS-331-94 5D	c 36	N82-13415* #
US-PATENT-CLASS-330-109	c 10	N72-11256* #	US-PATENT-CLASS-330-86	c 09	N73-20231* #	US-PATENT-CLASS-331-94 5G	c 36	N75-31426* #
US-PATENT-CLASS-330-109	c 10	N72-17171* #	US-PATENT-CLASS-330-86	c 33	N75-19518* #	US-PATENT-CLASS-331-94 5G	c 36	N77-19416* #
US-PATENT-CLASS-330-109	c 10	N72-17172* #	US-PATENT-CLASS-330-86	c 33	N79-22373* #	US-PATENT-CLASS-331-94 5G	c 36	N78-17366* #
US-PATENT-CLASS-330-109	c 09	N73-20231* #	US-PATENT-CLASS-330-8	c 33	N81-24338* #	US-PATENT-CLASS-331-94 5G	c 36	N78-27402* #
US-PATENT-CLASS-330-109	c 33	N82-24417* #	US-PATENT-CLASS-330-94	c 10	N72-17172* #	US-PATENT-CLASS-331-94 5G	c 36	N79-18307* #
US-PATENT-CLASS-330-10	c 33	N74-14939* #	US-PATENT-CLASS-330-9	c 33	N74-14939* #	US-PATENT-CLASS-331-94 5G	c 33	N82-24418* #
US-PATENT-CLASS-330-110	c 33	N83-36356* #	US-PATENT-CLASS-331-DIG 1	c 36	N75-30524* #	US-PATENT-CLASS-331-94 5K	c 36	N74-15145* #
US-PATENT-CLASS-330-11	c 09	N71-13531* #	US-PATENT-CLASS-331-DIG 2	c 33	N81-33405* #	US-PATENT-CLASS-331-94 5L	c 72	N79-13826* #
US-PATENT-CLASS-330-11	c 10	N71-33129* #	US-PATENT-CLASS-331-1A	c 33	N74-10194* #	US-PATENT-CLASS-331-94 5M	c 36	N75-19654* #
US-PATENT-CLASS-330-11	c 09	N72-17156* #	US-PATENT-CLASS-331-1A	c 33	N75-25040* #	US-PATENT-CLASS-331-94 5PE	c 36	N75-32441* #
US-PATENT-CLASS-330-124	c 07	N71-28430* #	US-PATENT-CLASS-331-1A	c 33	N79-11313* #	US-PATENT-CLASS-331-94 5PE	c 36	N77-19416* #
US-PATENT-CLASS-330-12	c 10	N72-33230* #	US-PATENT-CLASS-331-107A	c 71	N77-26919* #	US-PATENT-CLASS-331-94 5PE	c 36	N78-27402* #
US-PATENT-CLASS-330-13	c 10	N71-26415* #	US-PATENT-CLASS-331-107G	c 26	N72-25679* #	US-PATENT-CLASS-331-94 5PE	c 72	N79-13826* #
US-PATENT-CLASS-330-13	c 33	N75-30428* #	US-PATENT-CLASS-331-107G	c 09	N73-15235* #	US-PATENT-CLASS-331-94 5PE	c 33	N82-24418* #
US-PATENT-CLASS-330-14	c 09	N70-35440* #	US-PATENT-CLASS-331-107	c 09	N71-18721* #	US-PATENT-CLASS-331-94 5P	c 36	N75-19655* #
US-PATENT-CLASS-330-14	c 33	N77-14335* #	US-PATENT-CLASS-331-107	c 26	N72-21701* #	US-PATENT-CLASS-331-94 5P	c 36	N75-31426* #
US-PATENT-CLASS-330-16	c 10	N71-33129* #	US-PATENT-CLASS-331-108A	c 33	N74-20862* #	US-PATENT-CLASS-331-94 5P	c 36	N77-25502* #
US-PATENT-CLASS-330-176	c 10	N72-17171* #	US-PATENT-CLASS-331-109	c 10	N71-27271* #	US-PATENT-CLASS-331-94 5P	c 36	N78-27402* #
US-PATENT-CLASS-330-18	c 09	N72-17155* #	US-PATENT-CLASS-331-109	c 33	N74-26732* #	US-PATENT-CLASS-331-94 5P	c 72	N79-13826* #
US-PATENT-CLASS-330-18	c 33	N75-30428* #	US-PATENT-CLASS-331-10	c 07	N72-11150* #	US-PATENT-CLASS-331-94 5P	c 36	N79-18307* #
US-PATENT-CLASS-330-200	c 07	N71-28430* #	US-PATENT-CLASS-331-111	c 10	N71-23689* #	US-PATENT-CLASS-331-94 5P	c 36	N80-14384* #
US-PATENT-CLASS-330-207A	c 33	N75-30429* #	US-PATENT-CLASS-331-111	c 09	N72-21247* #	US-PATENT-CLASS-331-94 5P	c 36	N82-13415* #
US-PATENT-CLASS-330-20	c 09	N72-20232* #	US-PATENT-CLASS-331-113A	c 09	N72-25253* #	US-PATENT-CLASS-331-94 5S	c 36	N74-15145* #
US-PATENT-CLASS-330-22	c 09	N71-10798* #	US-PATENT-CLASS-331-113A	c 09	N72-25254* #	US-P		

REPORT NUMBER INDEX

US-PATENT-CLASS-340-173.2

US-PATENT-CLASS-331-94 5	c 16	N71-18614* #	US-PATENT-CLASS-333-80	c 09	N72-21245* #	US-PATENT-CLASS-339-176	c 09	N70-34596* #
US-PATENT-CLASS-331-94 5	c 16	N71-24832* #	US-PATENT-CLASS-333-81B	c 14	N73-13420* #	US-PATENT-CLASS-339-176	c 09	N70-36494* #
US-PATENT-CLASS-331-94 5	c 23	N71-26722* #	US-PATENT-CLASS-333-81R	c 07	N72-25170* #	US-PATENT-CLASS-339-177	c 09	N71-20851* #
US-PATENT-CLASS-331-94 5	c 15	N71-27135* #	US-PATENT-CLASS-333-81R	c 33	N73-32340* #	US-PATENT-CLASS-339-17	c 14	N69-27431* #
US-PATENT-CLASS-331-94 5	c 23	N71-29125* #	US-PATENT-CLASS-333-81R	c 32	N80-14281* #	US-PATENT-CLASS-339-17	c 15	N71-17685* #
US-PATENT-CLASS-331-94 5	c 16	N71-33410* #	US-PATENT-CLASS-333-81	c 07	N71-29065* #	US-PATENT-CLASS-339-17	c 09	N71-26133* #
US-PATENT-CLASS-331-94 5	c 16	N72-12440* #	US-PATENT-CLASS-333-82A	c 09	N73-26195* #	US-PATENT-CLASS-339-18C	c 37	N76-27567* #
US-PATENT-CLASS-331-94 5	c 25	N72-24753* #	US-PATENT-CLASS-333-82B	c 32	N77-18307* #	US-PATENT-CLASS-339-198R	c 33	N76-16332* #
US-PATENT-CLASS-331-94 5	c 16	N72-25485* #	US-PATENT-CLASS-333-83BT	c 33	N75-30430* #	US-PATENT-CLASS-339-218M	c 09	N72-28225* #
US-PATENT-CLASS-331-94 5	c 07	N73-26119* #	US-PATENT-CLASS-333-83R	c 36	N74-11313* #	US-PATENT-CLASS-339-242	c 33	N76-16332* #
US-PATENT-CLASS-331-94 5	c 09	N73-32111* #	US-PATENT-CLASS-333-83	c 09	N71-24841* #	US-PATENT-CLASS-339-252R	c 52	N77-14738* #
US-PATENT-CLASS-331-94 5	c 16	N73-32391* #	US-PATENT-CLASS-333-84M	c 09	N73-26195* #	US-PATENT-CLASS-339-275R	c 33	N76-16332* #
US-PATENT-CLASS-331-94 5	c 36	N76-18427* #	US-PATENT-CLASS-333-8	c 07	N69-24334* #	US-PATENT-CLASS-339-275T	c 09	N72-20200* #
US-PATENT-CLASS-331-94-5G	c 36	N75-32441* #	US-PATENT-CLASS-333-85	c 07	N71-27191* #	US-PATENT-CLASS-339-276T	c 09	N72-20200* #
US-PATENT-CLASS-331-94	c 16	N70-41578* #	US-PATENT-CLASS-333-96	c 09	N71-20445* #	US-PATENT-CLASS-339-278M	c 15	N72-17455* #
US-PATENT-CLASS-331-94	c 16	N72-28521* #	US-PATENT-CLASS-333-96	c 07	N71-27191* #	US-PATENT-CLASS-339-39	c 07	N83-20944* #
US-PATENT-CLASS-331-94	c 16	N73-13489* #	US-PATENT-CLASS-333-97R	c 36	N74-11313* #	US-PATENT-CLASS-339-45M	c 15	N72-25450* #
US-PATENT-CLASS-331-94	c 35	N76-15436* #	US-PATENT-CLASS-333-97	c 07	N69-27462* #	US-PATENT-CLASS-339-46	c 15	N72-17455* #
US-PATENT-CLASS-331-94	c 36	N76-31512* #	US-PATENT-CLASS-333-98P	c 07	N72-25170* #	US-PATENT-CLASS-339-5R	c 07	N83-20944* #
US-PATENT-CLASS-331-94	c 36	N79-14362* #	US-PATENT-CLASS-333-98P	c 09	N72-29172* #	US-PATENT-CLASS-339-5	c 15	N71-23049* #
US-PATENT-CLASS-331-94	c 36	N80-18372* #	US-PATENT-CLASS-333-98R	c 07	N72-25170* #	US-PATENT-CLASS-339-75MP	c 09	N72-28225* #
US-PATENT-CLASS-332-10	c 08	N71-29138* #	US-PATENT-CLASS-333-98R	c 09	N72-29172* #	US-PATENT-CLASS-339-91B	c 15	N72-25450* #
US-PATENT-CLASS-332-11D	c 35	N74-17885* #	US-PATENT-CLASS-333-98R	c 14	N73-13420* #	US-PATENT-CLASS-339-91	c 09	N69-21927* #
US-PATENT-CLASS-332-16	c 33	N77-21314* #	US-PATENT-CLASS-333-98S	c 33	N75-30430* #	US-PATENT-CLASS-339-94M	c 09	N72-28225* #
US-PATENT-CLASS-332-18	c 33	N77-17351* #	US-PATENT-CLASS-333-98S	c 07	N72-25170* #	US-PATENT-CLASS-339-95	c 09	N69-39734* #
US-PATENT-CLASS-332-19	c 10	N71-23544* #	US-PATENT-CLASS-333-98	c 09	N71-23548* #	US-PATENT-CLASS-339-12R	c 52	N77-25772* #
US-PATENT-CLASS-332-1	c 10	N71-23084* #	US-PATENT-CLASS-333-98	c 09	N71-24808* #	US-PATENT-CLASS-34-155	c 14	N73-28489* #
US-PATENT-CLASS-332-21	c 08	N72-25208* #	US-PATENT-CLASS-333-99S	c 32	N80-32605* #	US-PATENT-CLASS-34-15	c 28	N78-24365* #
US-PATENT-CLASS-332-22	c 32	N77-14292* #	US-PATENT-CLASS-335-205	c 09	N72-20199* #	US-PATENT-CLASS-34-160	c 14	N73-28489* #
US-PATENT-CLASS-332-22	c 33	N81-15192* #	US-PATENT-CLASS-335-216	c 16	N71-28554* #	US-PATENT-CLASS-34-162	c 14	N73-28489* #
US-PATENT-CLASS-332-23R	c 32	N77-14292* #	US-PATENT-CLASS-335-216	c 23	N71-29049* #	US-PATENT-CLASS-34-162	c 35	N74-15831* #
US-PATENT-CLASS-332-23R	c 33	N81-15192* #	US-PATENT-CLASS-335-216	c 26	N73-32571* #	US-PATENT-CLASS-34-57A	c 35	N83-24828* #
US-PATENT-CLASS-332-29	c 07	N71-28429* #	US-PATENT-CLASS-335-216	c 20	N75-24837* #	US-PATENT-CLASS-340-12R	c 35	N74-16135* #
US-PATENT-CLASS-332-2	c 35	N75-19614* #	US-PATENT-CLASS-335-216	c 33	N79-21264* #	US-PATENT-CLASS-340-12R	c 46	N79-23555* #
US-PATENT-CLASS-332-30V	c 33	N77-14334* #	US-PATENT-CLASS-335-229	c 33	N82-24421* #	US-PATENT-CLASS-340-146 1AL	c 08	N72-25210* #
US-PATENT-CLASS-332-30V	c 33	N77-17351* #	US-PATENT-CLASS-335-256	c 33	N82-11357* #	US-PATENT-CLASS-340-146 1AL	c 08	N73-12175* #
US-PATENT-CLASS-332-30	c 10	N71-27271* #	US-PATENT-CLASS-335-266	c 33	N82-11357* #	US-PATENT-CLASS-340-146 1AL	c 32	N77-12240* #
US-PATENT-CLASS-332-30	c 07	N71-28429* #	US-PATENT-CLASS-335-266	c 33	N82-24421* #	US-PATENT-CLASS-340-146 1AQ	c 08	N73-12177* #
US-PATENT-CLASS-332-30	c 33	N77-21314* #	US-PATENT-CLASS-335-296	c 09	N73-30185* #	US-PATENT-CLASS-340-146 1AQ	c 32	N74-32598* #
US-PATENT-CLASS-332-31	c 08	N71-12500* #	US-PATENT-CLASS-335-297	c 09	N73-30185* #	US-PATENT-CLASS-340-146 1AQ	c 32	N77-12240* #
US-PATENT-CLASS-332-31	c 26	N72-21701* #	US-PATENT-CLASS-335-300	c 09	N70-41929* #	US-PATENT-CLASS-340-146 1AV	c 08	N73-12177* #
US-PATENT-CLASS-332-47	c 33	N75-19520* #	US-PATENT-CLASS-336-DIG 1	c 26	N73-26752* #	US-PATENT-CLASS-340-146 1AV	c 32	N77-12240* #
US-PATENT-CLASS-332-51W	c 07	N72-20141* #	US-PATENT-CLASS-336-DIG 1	c 33	N79-17133* #	US-PATENT-CLASS-340-146 1AX	c 32	N79-10263* #
US-PATENT-CLASS-332-52	c 33	N77-21314* #	US-PATENT-CLASS-336-120	c 33	N82-24422* #	US-PATENT-CLASS-340-146 1C	c 07	N73-20176* #
US-PATENT-CLASS-332-7 51	c 16	N72-25485* #	US-PATENT-CLASS-336-178	c 09	N72-17154* #	US-PATENT-CLASS-340-146 1E	c 32	N79-10263* #
US-PATENT-CLASS-332-7 51	c 07	N73-26119* #	US-PATENT-CLASS-336-198	c 09	N72-27226* #	US-PATENT-CLASS-340-146 1	c 09	N71-18843* #
US-PATENT-CLASS-332-7 51	c 33	N74-20859* #	US-PATENT-CLASS-336-200	c 26	N73-26752* #	US-PATENT-CLASS-340-146 1	c 08	N71-22749* #
US-PATENT-CLASS-332-7 51	c 36	N76-18427* #	US-PATENT-CLASS-336-210	c 33	N74-17928* #	US-PATENT-CLASS-340-146 1	c 10	N71-26103* #
US-PATENT-CLASS-332-7 5	c 36	N75-15029* #	US-PATENT-CLASS-336-220	c 09	N72-27226* #	US-PATENT-CLASS-340-146 1	c 08	N71-27255* #
US-PATENT-CLASS-332-7 5	c 36	N78-18410* #	US-PATENT-CLASS-336-60	c 09	N72-27226* #	US-PATENT-CLASS-340-146 1	c 08	N72-22167* #
US-PATENT-CLASS-332-7 5	c 36	N83-35350* #	US-PATENT-CLASS-336-83	c 33	N82-24422* #	US-PATENT-CLASS-340-146 1	c 08	N72-25207* #
US-PATENT-CLASS-332-751	c 36	N80-16321* #	US-PATENT-CLASS-337-114	c 09	N71-29035* #	US-PATENT-CLASS-340-146 1	c 07	N73-13149* #
US-PATENT-CLASS-332-9R	c 08	N71-29138* #	US-PATENT-CLASS-337-121	c 09	N71-29035* #	US-PATENT-CLASS-340-146 2	c 08	N71-12505* #
US-PATENT-CLASS-332-9	c 07	N71-12390* #	US-PATENT-CLASS-337-14	c 31	N83-31897* #	US-PATENT-CLASS-340-146 2	c 08	N71-23295* #
US-PATENT-CLASS-333-104	c 33	N82-16340* #	US-PATENT-CLASS-337-334	c 37	N77-19458* #	US-PATENT-CLASS-340-146 3H	c 74	N81-18996* #
US-PATENT-CLASS-333-12	c 32	N80-32605* #	US-PATENT-CLASS-337-354	c 15	N72-12409* #	US-PATENT-CLASS-340-146 3P	c 43	N77-10584* #
US-PATENT-CLASS-333-12	c 33	N81-27397* #	US-PATENT-CLASS-337-359	c 15	N72-12409* #	US-PATENT-CLASS-340-146 3Q	c 43	N77-10584* #
US-PATENT-CLASS-333-14	c 32	N74-19788* #	US-PATENT-CLASS-337-75	c 15	N72-12409* #	US-PATENT-CLASS-340-146 3S	c 74	N81-18996* #
US-PATENT-CLASS-333-16	c 33	N74-17927* #	US-PATENT-CLASS-337	c 25	N79-28253* #	US-PATENT-CLASS-340-146 3Y	c 74	N81-18996* #
US-PATENT-CLASS-333-17R	c 33	N78-32340* #	US-PATENT-CLASS-338-100	c 35	N78-17359* #	US-PATENT-CLASS-340-147C	c 60	N76-14818* #
US-PATENT-CLASS-333-17	c 44	N74-19870* #	US-PATENT-CLASS-338-114	c 52	N74-27864* #	US-PATENT-CLASS-340-147R	c 07	N73-20176* #
US-PATENT-CLASS-333-18	c 33	N74-17927* #	US-PATENT-CLASS-338-113	c 24	N75-30260* #	US-PATENT-CLASS-340-147R	c 60	N76-14818* #
US-PATENT-CLASS-333-18	c 32	N76-21366* #	US-PATENT-CLASS-338-162	c 37	N75-13265* #	US-PATENT-CLASS-340-147SY	c 17	N76-22245* #
US-PATENT-CLASS-333-204	c 33	N81-17348* #	US-PATENT-CLASS-338-18	c 35	N79-33449* #	US-PATENT-CLASS-340-147	c 09	N70-33182* #
US-PATENT-CLASS-333-20	c 33	N82-24418* #	US-PATENT-CLASS-338-229	c 35	N77-24454* #	US-PATENT-CLASS-340-147	c 09	N70-38998* #
US-PATENT-CLASS-333-21A	c 07	N71-33606* #	US-PATENT-CLASS-338-25	c 35	N77-21393* #	US-PATENT-CLASS-340-150	c 14	N73-26432* #
US-PATENT-CLASS-333-21R	c 33	N75-30430* #	US-PATENT-CLASS-338-25	c 35	N82-24470* #	US-PATENT-CLASS-340-151	c 10	N71-27272* #
US-PATENT-CLASS-333-21	c 07	N71-10676* #	US-PATENT-CLASS-338-275	c 35	N82-24470* #	US-PATENT-CLASS-340-163	c 33	N74-27862* #
US-PATENT-CLASS-333-22F	c 32	N83-27085* #	US-PATENT-CLASS-338-283	c 24	N75-30260* #	US-PATENT-CLASS-340-163	c 07	N73-20176* #
US-PATENT-CLASS-333-24 2	c 36	N83-35350* #	US-PATENT-CLASS-338-28	c 35	N77-20400* #	US-PATENT-CLASS-340-164	c 10	N71-27272* #
US-PATENT-CLASS-333-24R	c 09	N72-29172* #	US-PATENT-CLASS-338-28	c 35	N77-24454* #	US-PATENT-CLASS-340-166	c 10	N71-27272* #
US-PATENT-CLASS-333-24R	c 36	N80-18372* #	US-PATENT-CLASS-338-28	c 35	N82-24470* #	US-PATENT-CLASS-340-166	c 10	N73-32144* #
US-PATENT-CLASS-333-246	c 33	N82-16340* #	US-PATENT-CLASS-338-2	c 33	N75-31329* #	US-PATENT-CLASS-340-167	c 07	N72-25173* #
US-PATENT-CLASS-333-252	c 32	N80-32605* #	US-PATENT-CLASS-338-2	c 35	N80-20560* #	US-PATENT-CLASS-340-171	c 09	N72-22202* #
US-PATENT-CLASS-333-254	c 32	N83-27085* #	US-PATENT-CLASS-338-2	c 52	N80-27072* #	US-PATENT-CLASS-340-171	c 16	N73-16536* #
US-PATENT-CLASS-333-262	c 33	N80-18285* #	US-PATENT-CLASS-338-32S	c 33	N78-13320* #	US-PATENT-CLASS-340-172 5	c 08	N69-21928* #
US-PATENT-CLASS-333-30	c 10	N71-25900* #	US-PATENT-CLASS-338-320	c 33	N74-14935* #	US-PATENT-CLASS-340-172 5	c 09	N69-24333* #
US-PATENT-CLASS-333-6	c 07	N71-33606* #	US-PATENT-CLASS-338-36	c 35	N78-17359* #	US-PATENT-CLASS-340-172 5	c 08	N71-12502* #
US-PATENT-CLASS-333-70CR	c 10	N72-17171* #	US-PATENT-CLASS-338-5	c 32	N71-15974* #	US-PATENT-CLASS-340-172 5	c 08	N71-12506* #
US-PATENT-CLASS-333-70R	c 32	N77-18307* #	US-PATENT-CLASS-338-5	c 52	N74-27864* #	US-PATENT-CLASS-340-172 5	c 31	N71-15566* #
US-PATENT-CLASS-333-72	c 10	N71-25900* #	US-PATENT-CLASS-338-64	c 09	N71-21583* #	US-PATENT-CLASS-340-172 5	c 08	N71-19288* #
US-PATENT-CLASS-333-72	c 71	N77-26919* #	US-PATENT-CLASS-338-6	c 35	N76-14430* #	US-PATENT-CLASS-340-172 5	c 08	N71-22707* #
US-PATENT-CLASS-333-73R	c 09	N73-26195* #	US-PATENT-CLASS-338-6	c 52	N76-29895* #	US-PATENT-CLASS-340-172 5	c 08	N71-22710* #
US-PATENT-CLASS-333-73S	c 09	N73-26195* #	US-PATENT-CLASS-338-75	c 37	N75-13265* #	US-PATENT-CLASS-340-172 5	c 07	N71-24624* #
US-PATENT-CLASS-333-73W	c 07	N72-20141* #	US-PATENT-CLASS-338-82	c 09	N71-20842* #	US-PATENT-CLASS-340-172 5	c 08	N71-27255* #
US-PATENT-CLASS-333-73	c 07	N69-24323* #	US-PATENT-CLASS-338-89	c 35	N74-32877* #	US-PATENT-CLASS-340-172 5	c 07	N72-25172* #
US-PATENT-CLASS-333-73	c 09	N71-23573* #	US-PATENT-CLASS-338-97	c 37	N75-13265* #	US-PATENT-CLASS-340-172 5	c 08	N72-25207* #
US-PATENT-CLASS-333-75	c 32	N77-18307* #	US-PATENT-CLASS-338-99	c 35	N78-17359* #	US-PATENT-CLASS-340-172 5	c 09	N72-25248* #
US-PATENT-CLASS-333-76	c 32	N77-18307* #	US-PATENT-CLASS-339-143C	c 33	N76-16332* #	US-PATENT-CLASS-340-172 5	c 08	N73-13187* #
US-PATENT-CLASS-333-79	c 10	N70-41964* #	US-PATENT-CLASS-339-143R	c 09	N72-25256* #	US-PATENT-CLASS-340-172 5	c 08	N73-26176* #
US-PATENT-CLASS-333-79	c 09	N72-25256* #	US-PATENT-CLASS-339-147R	c 09	N72-25256* #	US-PATENT-CLASS-340-172 5	c 60	N76-18800* #
US-PATENT-CLASS-333-7	c 07	N71-33606* #	US-PATENT-CLASS-339-150	c 09	N69-21470* #	US-PATENT-CLASS-340-172 5	c 60	N76-21914* #
US-PATENT-CLASS-333-7	c 07	N72-25170* #	US-PATENT-CLASS-339-17M	c 37	N76-27567* #	US-PATENT-CLASS-340-172 5	c 60	

US-PATENT-CLASS-340-173CA

REPORT NUMBER INDEX

US-PATENT-CLASS-340-173CA	c 33	N75-31331* #	US-PATENT-CLASS-340-336	c 09	N71-33519* #	US-PATENT-CLASS-343-100ST	c 33	N80-18287* #
US-PATENT-CLASS-340-173CR	c 60	N74-12888* #	US-PATENT-CLASS-340-33	c 21	N73-13643* #	US-PATENT-CLASS-343-100TD	c 32	N79-24210* #
US-PATENT-CLASS-340-173LM	c 60	N74-12888* #	US-PATENT-CLASS-340-347AD	c 14	N71-28991* #	US-PATENT-CLASS-343-100TD	c 32	N81-14185* #
US-PATENT-CLASS-340-173LM	c 60	N78-10709* #	US-PATENT-CLASS-340-347AD	c 08	N72-21200* #	US-PATENT-CLASS-343-100	c 10	N71-18722* #
US-PATENT-CLASS-340-173LS	c 08	N72-21198* #	US-PATENT-CLASS-340-347AD	c 08	N72-22163* #	US-PATENT-CLASS-343-100	c 07	N71-19854* #
US-PATENT-CLASS-340-173LS	c 36	N75-19652* #	US-PATENT-CLASS-340-347AD	c 08	N72-22166* #	US-PATENT-CLASS-343-100	c 30	N71-23723* #
US-PATENT-CLASS-340-173	c 10	N73-32144* #	US-PATENT-CLASS-340-347AD	c 08	N72-31226* #	US-PATENT-CLASS-343-100	c 07	N71-24621* #
US-PATENT-CLASS-340-174 1L	c 35	N74-11283* #	US-PATENT-CLASS-340-347AD	c 08	N73-20217* #	US-PATENT-CLASS-343-100	c 09	N71-24804* #
US-PATENT-CLASS-340-174 1M	c 36	N74-13205* #	US-PATENT-CLASS-340-347AD	c 35	N74-17885* #	US-PATENT-CLASS-343-100	c 31	N71-24813* #
US-PATENT-CLASS-340-174 1M	c 35	N78-29421* #	US-PATENT-CLASS-340-347AD	c 35	N74-32877* #	US-PATENT-CLASS-343-100	c 07	N71-27056* #
US-PATENT-CLASS-340-174 1R	c 35	N79-16246* #	US-PATENT-CLASS-340-347AD	c 33	N76-18345* #	US-PATENT-CLASS-343-100	c 07	N71-28900* #
US-PATENT-CLASS-340-174 1R	c 21	N73-13644* #	US-PATENT-CLASS-340-347AD	c 60	N77-32731* #	US-PATENT-CLASS-343-105R	c 32	N75-26194* #
US-PATENT-CLASS-340-174 1	c 08	N71-21042* #	US-PATENT-CLASS-340-347DA	c 08	N71-27057* #	US-PATENT-CLASS-343-108R	c 04	N74-13420* #
US-PATENT-CLASS-340-174 1	c 07	N71-23001* #	US-PATENT-CLASS-340-347DA	c 08	N72-20176* #	US-PATENT-CLASS-343-110	c 32	N71-24621* #
US-PATENT-CLASS-340-174 1	c 08	N71-27210* #	US-PATENT-CLASS-340-347DA	c 08	N72-25206* #	US-PATENT-CLASS-343-111R	c 09	N73-12211* #
US-PATENT-CLASS-340-174AG	c 23	N72-17747* #	US-PATENT-CLASS-340-347DA	c 08	N73-32081* #	US-PATENT-CLASS-343-11VB	c 09	N73-12211* #
US-PATENT-CLASS-340-174CS	c 08	N72-21199* #	US-PATENT-CLASS-340-347DD	c 10	N71-33407* #	US-PATENT-CLASS-343-112CA	c 21	N73-13643* #
US-PATENT-CLASS-340-174CT	c 23	N72-17747* #	US-PATENT-CLASS-340-347DD	c 08	N72-18184* #	US-PATENT-CLASS-343-112CA	c 21	N73-30641* #
US-PATENT-CLASS-340-174GA	c 23	N72-17747* #	US-PATENT-CLASS-340-347DD	c 08	N72-20176* #	US-PATENT-CLASS-343-112CA	c 03	N75-30132* #
US-PATENT-CLASS-340-174LC	c 08	N72-21199* #	US-PATENT-CLASS-340-347DD	c 08	N72-21197* #	US-PATENT-CLASS-343-112D	c 14	N72-28437* #
US-PATENT-CLASS-340-174MA	c 24	N75-13032* #	US-PATENT-CLASS-340-347DD	c 08	N73-12176* #	US-PATENT-CLASS-343-112D	c 32	N75-26194* #
US-PATENT-CLASS-340-174M	c 08	N72-21199* #	US-PATENT-CLASS-340-347DD	c 60	N76-23850* #	US-PATENT-CLASS-343-112D	c 46	N80-14603* #
US-PATENT-CLASS-340-174SC	c 23	N72-17747* #	US-PATENT-CLASS-340-347DD	c 32	N77-12239* #	US-PATENT-CLASS-343-112R	c 09	N73-32110* #
US-PATENT-CLASS-340-174SR	c 08	N72-21199* #	US-PATENT-CLASS-340-347DD	c 60	N78-17691* #	US-PATENT-CLASS-343-112R	c 17	N78-17140* #
US-PATENT-CLASS-340-174YC	c 36	N74-13205* #	US-PATENT-CLASS-340-347DD	c 60	N79-20751* #	US-PATENT-CLASS-343-112R	c 04	N80-32359* #
US-PATENT-CLASS-340-174YC	c 35	N78-29421* #	US-PATENT-CLASS-340-347DD	c 33	N82-28570* #	US-PATENT-CLASS-343-112R	c 32	N81-27341* #
US-PATENT-CLASS-340-174	c 08	N71-12504* #	US-PATENT-CLASS-340-347P	c 60	N76-23850* #	US-PATENT-CLASS-343-112C	c 17	N76-21250* #
US-PATENT-CLASS-340-174	c 09	N71-12515* #	US-PATENT-CLASS-340-347P	c 35	N77-30436* #	US-PATENT-CLASS-343-112	c 21	N71-13958* #
US-PATENT-CLASS-340-174	c 08	N71-18595* #	US-PATENT-CLASS-340-347R	c 08	N72-22165* #	US-PATENT-CLASS-343-112	c 02	N71-19287* #
US-PATENT-CLASS-340-174	c 08	N71-18694* #	US-PATENT-CLASS-340-347SH	c 33	N77-31404* #	US-PATENT-CLASS-343-112	c 21	N71-24948* #
US-PATENT-CLASS-340-174	c 10	N71-23033* #	US-PATENT-CLASS-340-347SY	c 62	N76-31946* #	US-PATENT-CLASS-343-113R	c 09	N73-32110* #
US-PATENT-CLASS-340-174	c 10	N71-26418* #	US-PATENT-CLASS-340-347SY	c 35	N77-30436* #	US-PATENT-CLASS-343-113R	c 44	N78-28594* #
US-PATENT-CLASS-340-174	c 10	N71-26434* #	US-PATENT-CLASS-340-347	c 08	N70-35423* #	US-PATENT-CLASS-343-113	c 10	N71-21473* #
US-PATENT-CLASS-340-174	c 08	N71-28925* #	US-PATENT-CLASS-340-347	c 08	N70-40125* #	US-PATENT-CLASS-343-113	c 07	N71-24625* #
US-PATENT-CLASS-340-174	c 10	N71-29135* #	US-PATENT-CLASS-340-347	c 08	N71-12501* #	US-PATENT-CLASS-343-117R	c 32	N79-13214* #
US-PATENT-CLASS-340-177VA	c 06	N80-18036* #	US-PATENT-CLASS-340-347	c 08	N71-18594* #	US-PATENT-CLASS-343-117	c 07	N71-27056* #
US-PATENT-CLASS-340-177	c 09	N72-17153* #	US-PATENT-CLASS-340-347	c 08	N71-19435* #	US-PATENT-CLASS-343-118	c 32	N79-13214* #
US-PATENT-CLASS-340-182	c 33	N74-27862* #	US-PATENT-CLASS-340-347	c 08	N71-19544* #	US-PATENT-CLASS-343-119	c 44	N78-28594* #
US-PATENT-CLASS-340-183	c 52	N74-26625* #	US-PATENT-CLASS-340-347	c 08	N71-19687* #	US-PATENT-CLASS-343-12R	c 08	N72-25209* #
US-PATENT-CLASS-340-189M	c 17	N76-29347* #	US-PATENT-CLASS-340-347	c 08	N71-24650* #	US-PATENT-CLASS-343-12	c 21	N70-41930* #
US-PATENT-CLASS-340-198	c 14	N70-33179* #	US-PATENT-CLASS-340-347	c 10	N71-25917* #	US-PATENT-CLASS-343-12	c 10	N72-20224* #
US-PATENT-CLASS-340-198	c 07	N71-11298* #	US-PATENT-CLASS-340-347	c 10	N71-26544* #	US-PATENT-CLASS-343-13	c 09	N71-18598* #
US-PATENT-CLASS-340-200	c 33	N74-27862* #	US-PATENT-CLASS-340-347	c 08	N73-28045* #	US-PATENT-CLASS-343-14	c 07	N70-41680* #
US-PATENT-CLASS-340-200	c 33	N77-31404* #	US-PATENT-CLASS-340-348	c 08	N72-22167* #	US-PATENT-CLASS-343-14	c 08	N72-25209* #
US-PATENT-CLASS-340-203	c 09	N72-22202* #	US-PATENT-CLASS-340-38P	c 66	N76-19888* #	US-PATENT-CLASS-343-14	c 14	N73-25461* #
US-PATENT-CLASS-340-203	c 52	N74-26625* #	US-PATENT-CLASS-340-403	c 10	N71-27272* #	US-PATENT-CLASS-343-14	c 32	N79-14267* #
US-PATENT-CLASS-340-206	c 17	N76-29347* #	US-PATENT-CLASS-340-407	c 71	N74-21014* #	US-PATENT-CLASS-343-14	c 31	N79-28370* #
US-PATENT-CLASS-340-207P	c 17	N76-22245* #	US-PATENT-CLASS-340-412	c 10	N71-24798* #	US-PATENT-CLASS-343-16M	c 10	N72-22235* #
US-PATENT-CLASS-340-207R	c 52	N74-26625* #	US-PATENT-CLASS-340-415	c 10	N73-32144* #	US-PATENT-CLASS-343-16M	c 44	N78-28594* #
US-PATENT-CLASS-340-207	c 07	N73-25160* #	US-PATENT-CLASS-340-418	c 14	N73-16484* #	US-PATENT-CLASS-343-16	c 09	N71-20864* #
US-PATENT-CLASS-340-210	c 03	N72-20031* #	US-PATENT-CLASS-340-5C	c 14	N73-27379* #	US-PATENT-CLASS-343-16	c 10	N71-21483* #
US-PATENT-CLASS-340-213 1	c 10	N71-19417* #	US-PATENT-CLASS-340-5H	c 32	N77-21267* #	US-PATENT-CLASS-343-17 1PF	c 32	N82-23376* #
US-PATENT-CLASS-340-213R	c 54	N78-32720* #	US-PATENT-CLASS-340-5R	c 35	N74-16135* #	US-PATENT-CLASS-343-17 2PC	c 35	N79-10391* #
US-PATENT-CLASS-340-213	c 10	N71-27272* #	US-PATENT-CLASS-340-518	c 35	N83-34272* #	US-PATENT-CLASS-343-17 2	c 07	N70-36911* #
US-PATENT-CLASS-340-223	c 10	N73-32144* #	US-PATENT-CLASS-340-566	c 35	N83-34272* #	US-PATENT-CLASS-343-17 5	c 14	N73-25461* #
US-PATENT-CLASS-340-224	c 37	N77-19458* #	US-PATENT-CLASS-340-57	c 14	N71-15620* #	US-PATENT-CLASS-343-17 5	c 32	N75-15854* #
US-PATENT-CLASS-340-227R	c 14	N72-25412* #	US-PATENT-CLASS-340-602	c 33	N80-23559* #	US-PATENT-CLASS-343-17 7	c 07	N71-12391* #
US-PATENT-CLASS-340-227	c 10	N71-16058* #	US-PATENT-CLASS-340-604	c 33	N80-23559* #	US-PATENT-CLASS-343-17 7	c 44	N74-19870* #
US-PATENT-CLASS-340-227	c 14	N71-27186* #	US-PATENT-CLASS-340-650	c 33	N79-18193* #	US-PATENT-CLASS-343-17 7	c 32	N77-31350* #
US-PATENT-CLASS-340-228 2	c 10	N72-17173* #	US-PATENT-CLASS-340-664	c 33	N79-18193* #	US-PATENT-CLASS-343-17 7	c 32	N79-11265* #
US-PATENT-CLASS-340-228S	c 14	N73-16484* #	US-PATENT-CLASS-340-8LF	c 71	N79-23753* #	US-PATENT-CLASS-343-176	c 07	N71-27056* #
US-PATENT-CLASS-340-233	c 14	N71-25901* #	US-PATENT-CLASS-340-8R	c 35	N74-16135* #	US-PATENT-CLASS-343-176	c 32	N76-14321* #
US-PATENT-CLASS-340-235	c 10	N71-26334* #	US-PATENT-CLASS-340-825 89	c 33	N82-29538* #	US-PATENT-CLASS-343-179	c 07	N72-11149* #
US-PATENT-CLASS-340-237S	c 45	N76-17656* #	US-PATENT-CLASS-340-870 24	c 33	N81-14221* #	US-PATENT-CLASS-343-179	c 07	N73-20174* #
US-PATENT-CLASS-340-240	c 09	N72-27227* #	US-PATENT-CLASS-340-97	c 21	N73-13643* #	US-PATENT-CLASS-343-179	c 32	N78-15323* #
US-PATENT-CLASS-340-242	c 35	N75-19612* #	US-PATENT-CLASS-343-DIG 2	c 07	N73-24176* #	US-PATENT-CLASS-343-179	c 32	N79-20296* #
US-PATENT-CLASS-340-248	c 10	N71-27338* #	US-PATENT-CLASS-343-DIG 3	c 33	N74-20860* #	US-PATENT-CLASS-343-18A	c 32	N80-14281* #
US-PATENT-CLASS-340-258R	c 07	N73-25160* #	US-PATENT-CLASS-343-DIG 2	c 09	N72-12136* #	US-PATENT-CLASS-343-18B	c 32	N74-12912* #
US-PATENT-CLASS-340-258	c 10	N72-28240* #	US-PATENT-CLASS-343-DIG2	c 07	N83-20944* #	US-PATENT-CLASS-343-18B	c 32	N77-21267* #
US-PATENT-CLASS-340-25	c 14	N73-16483* #	US-PATENT-CLASS-343-100AP	c 33	N83-36355* #	US-PATENT-CLASS-343-18B	c 43	N80-18498* #
US-PATENT-CLASS-340-262	c 54	N78-32720* #	US-PATENT-CLASS-343-100CL	c 32	N77-32342* #	US-PATENT-CLASS-343-18D	c 43	N80-18498* #
US-PATENT-CLASS-340-26	c 21	N72-22619* #	US-PATENT-CLASS-343-100CL	c 32	N79-14268* #	US-PATENT-CLASS-343-18	c 31	N70-37981* #
US-PATENT-CLASS-340-26	c 04	N82-16059* #	US-PATENT-CLASS-343-100CL	c 32	N81-29308* #	US-PATENT-CLASS-343-18	c 07	N70-40063* #
US-PATENT-CLASS-340-27AT	c 21	N73-14692* #	US-PATENT-CLASS-343-100CL	c 32	N83-18975* #	US-PATENT-CLASS-343-18	c 30	N70-40309* #
US-PATENT-CLASS-340-27NA	c 21	N73-13643* #	US-PATENT-CLASS-343-100CL	c 32	N83-19968* #	US-PATENT-CLASS-343-18	c 07	N70-41678* #
US-PATENT-CLASS-340-27NA	c 06	N82-16075* #	US-PATENT-CLASS-343-100ME	c 14	N72-28437* #	US-PATENT-CLASS-343-200	c 07	N73-16121* #
US-PATENT-CLASS-340-27R	c 14	N73-16483* #	US-PATENT-CLASS-343-100ME	c 14	N73-26432* #	US-PATENT-CLASS-343-204	c 07	N73-26118* #
US-PATENT-CLASS-340-27R	c 14	N73-20474* #	US-PATENT-CLASS-343-100ME	c 46	N80-14603* #	US-PATENT-CLASS-343-225	c 17	N78-17140* #
US-PATENT-CLASS-340-27SS	c 35	N78-14364* #	US-PATENT-CLASS-343-100ME	c 35	N80-18359* #	US-PATENT-CLASS-343-5CM	c 07	N72-21118* #
US-PATENT-CLASS-340-271	c 35	N77-30436* #	US-PATENT-CLASS-343-100ME	c 46	N82-16845* #	US-PATENT-CLASS-343-5CM	c 32	N77-21267* #
US-PATENT-CLASS-340-277	c 10	N73-30205* #	US-PATENT-CLASS-343-100ME	c 06	N83-10040* #	US-PATENT-CLASS-343-5CM	c 32	N77-32342* #
US-PATENT-CLASS-340-279	c 05	N72-16015* #	US-PATENT-CLASS-343-100PE	c 32	N75-24982* #	US-PATENT-CLASS-343-5CM	c 35	N79-10391* #
US-PATENT-CLASS-340-279	c 10	N73-30205* #	US-PATENT-CLASS-343-100PE	c 33	N81-26358* #	US-PATENT-CLASS-343-5CM	c 32	N79-14268* #
US-PATENT-CLASS-340-279	c 54	N78-32720* #	US-PATENT-CLASS-343-100PE	c 46	N82-12685* #	US-PATENT-CLASS-343-5CM	c 43	N80-18498* #
US-PATENT-CLASS-340-285	c 14	N71-25901* #	US-PATENT-CLASS-343-100PE	c 35	N82-15381* #	US-PATENT-CLASS-343-5CM	c 32	N82-12297* #
US-PATENT-CLASS-340-285	c 54	N78-32720* #	US-PATENT-CLASS-343-100R	c 10	N73-16206* #	US-PATENT-CLASS-343-5CM	c 32	N83-18975* #
US-PATENT-CLASS-340-309 1	c 54	N78-32720* #	US-PATENT-CLASS-343-100R	c 33	N80-18287* #	US-PATENT-CLASS-343-5CM	c 32	N83-19968* #
US-PATENT-CLASS-340-309 4	c 33	N81-14221* #	US-PATENT-CLASS-343-100SA	c 10	N73-16206* #	US-PATENT-CLASS-343-5CM	c 32	N83-31918* #
US-PATENT-CLASS-340-310A	c 33	N81-14221* #	US-PATENT-CLASS-343-100SA	c 33	N74-20860* #	US-PATENT-CLASS-343-5DP	c 07	N72-11149* #
US-PATENT-CLASS-340-310R	c 33	N81-14221* #	US-PATENT-CLASS-343-100SA	c 17	N76-21250* #	US-PATENT-CLASS-343-5DP	c 09	N73-12211* #
US-PATENT-CLASS-340-324AD	c 33	N75-19517* #	US-PATENT-CLASS-343-100SA	c 32	N80-28578* #	US-PATENT-CLASS-343-5DP	c 32	N77-32342* #
US-PATENT-CLASS-340-324A	c 09	N72-25248* #	US-PATENT-CLASS-343-100ST	c 07	N72-21118* #	US-PATENT-CLASS-343-5DP	c 32	N82-23376* #
US-PATENT-CLASS-340-324R	c 26	N72-25680* #	US-PATENT-CLASS-343-100ST	c 33	N74-20860* #	US-PATENT-CLASS-343-5GC	c 32	N75-24982* #
US-PATENT-CLASS-340-324	c 08	N71-12507* #	US-PATENT-CLASS-343-100ST	c 32	N75-15854*			

REPORT NUMBER INDEX

US-PATENT-CLASS-350-269

US-PATENT-CLASS-343-5W	c 43	N80-18498* #	US-PATENT-CLASS-343-786	c 07	N72-25174* #	US-PATENT-CLASS-346-23	c 14	N72-18411* #
US-PATENT-CLASS-343-6 BR	c 32	N77-20289* #	US-PATENT-CLASS-343-786	c 09	N72-31235* #	US-PATENT-CLASS-346-24	c 35	N74-15831* #
US-PATENT-CLASS-343-6 5R	c 07	N72-12080* #	US-PATENT-CLASS-343-786	c 32	N74-20863* #	US-PATENT-CLASS-346-29	c 09	N72-21246* #
US-PATENT-CLASS-343-6 5R	c 07	N72-21118* #	US-PATENT-CLASS-343-786	c 32	N76-15330* #	US-PATENT-CLASS-346-33R	c 35	N74-32877* #
US-PATENT-CLASS-343-6 5R	c 07	N72-25171* #	US-PATENT-CLASS-343-786	c 32	N76-21365* #	US-PATENT-CLASS-346-44	c 09	N69-21467* #
US-PATENT-CLASS-343-6 5R	c 08	N72-25209* #	US-PATENT-CLASS-343-786	c 32	N80-23524* #	US-PATENT-CLASS-346-50	c 14	N71-21006* #
US-PATENT-CLASS-343-6 5R	c 07	N73-25161* #	US-PATENT-CLASS-343-786	c 32	N80-29539* #	US-PATENT-CLASS-346-74MD	c 21	N73-13644* #
US-PATENT-CLASS-343-6 5R	c 21	N73-30641* #	US-PATENT-CLASS-343-786	c 32	N81-25278* #	US-PATENT-CLASS-346-74MT	c 35	N79-16246* #
US-PATENT-CLASS-343-6 5R	c 32	N74-12912* #	US-PATENT-CLASS-343-789	c 32	N81-14187* #	US-PATENT-CLASS-346R	c 73	N77-18891* #
US-PATENT-CLASS-343-6 5R	c 32	N75-15854* #	US-PATENT-CLASS-343-789	c 32	N82-27558* #	US-PATENT-CLASS-349	c 25	N79-28253* #
US-PATENT-CLASS-343-6 5R	c 03	N75-30132* #	US-PATENT-CLASS-343-795	c 32	N82-11336* #	US-PATENT-CLASS-35-10 2	c 14	N71-15621* #
US-PATENT-CLASS-343-6 5R	c 32	N77-20289* #	US-PATENT-CLASS-343-797	c 09	N71-24842* #	US-PATENT-CLASS-35-12C	c 14	N73-27377* #
US-PATENT-CLASS-343-6 5SS	c 32	N74-12912* #	US-PATENT-CLASS-343-797	c 07	N72-22127* #	US-PATENT-CLASS-35-12C	c 09	N75-15662* #
US-PATENT-CLASS-343-6 5	c 21	N71-11766* #	US-PATENT-CLASS-343-797	c 09	N72-31235* #	US-PATENT-CLASS-35-12C	c 74	N79-13855* #
US-PATENT-CLASS-343-6 5	c 10	N71-23099* #	US-PATENT-CLASS-343-797	c 07	N73-28013* #	US-PATENT-CLASS-35-12E	c 09	N74-30597* #
US-PATENT-CLASS-343-6 BR	c 07	N72-12080* #	US-PATENT-CLASS-343-797	c 32	N74-20863* #	US-PATENT-CLASS-35-12E	c 09	N79-31228* #
US-PATENT-CLASS-343-6 BR	c 07	N73-25161* #	US-PATENT-CLASS-343-797	c 33	N76-14372* #	US-PATENT-CLASS-35-12H	c 09	N79-31228* #
US-PATENT-CLASS-343-6 BR	c 14	N73-25461* #	US-PATENT-CLASS-343-797	c 32	N81-14187* #	US-PATENT-CLASS-35-12N	c 09	N76-24280* #
US-PATENT-CLASS-343-6R	c 32	N79-10264* #	US-PATENT-CLASS-343-799	c 07	N71-27233* #	US-PATENT-CLASS-35-12N	c 09	N78-18083* #
US-PATENT-CLASS-343-6	c 30	N71-16090* #	US-PATENT-CLASS-343-803	c 07	N73-28013* #	US-PATENT-CLASS-35-12N	c 74	N79-13855* #
US-PATENT-CLASS-343-7 4	c 10	N72-22235* #	US-PATENT-CLASS-343-823	c 07	N71-28979* #	US-PATENT-CLASS-35-12	c 11	N70-34815* #
US-PATENT-CLASS-343-7 4	c 32	N79-13214* #	US-PATENT-CLASS-343-830	c 32	N80-32604* #	US-PATENT-CLASS-35-12	c 31	N70-34966* #
US-PATENT-CLASS-343-7 5	c 07	N69-39974* #	US-PATENT-CLASS-343-833	c 31	N70-34135* #	US-PATENT-CLASS-35-12	c 11	N71-10746* #
US-PATENT-CLASS-343-7 5	c 09	N71-24595* #	US-PATENT-CLASS-343-837	c 07	N72-32169* #	US-PATENT-CLASS-35-12	c 11	N71-10748* #
US-PATENT-CLASS-343-7 5	c 07	N72-11149* #	US-PATENT-CLASS-343-837	c 07	N73-14130* #	US-PATENT-CLASS-35-12	c 11	N71-10776* #
US-PATENT-CLASS-343-7 5	c 44	N74-19870* #	US-PATENT-CLASS-343-837	c 33	N75-19516* #	US-PATENT-CLASS-35-12	c 11	N71-18793* #
US-PATENT-CLASS-343-7 5	c 32	N82-23376* #	US-PATENT-CLASS-343-837	c 32	N76-15329* #	US-PATENT-CLASS-35-12	c 11	N71-19474* #
US-PATENT-CLASS-343-700MS	c 32	N78-24391* #	US-PATENT-CLASS-343-837	c 32	N76-18295* #	US-PATENT-CLASS-35-12	c 11	N71-21474* #
US-PATENT-CLASS-343-700MS	c 32	N80-32604* #	US-PATENT-CLASS-343-837	c 32	N78-31321* #	US-PATENT-CLASS-35-12	c 18	N76-14186* #
US-PATENT-CLASS-343-700MS	c 32	N82-11336* #	US-PATENT-CLASS-343-839	c 09	N73-19234* #	US-PATENT-CLASS-35-17	c 05	N71-24606* #
US-PATENT-CLASS-343-703	c 09	N71-13521* #	US-PATENT-CLASS-343-840	c 07	N71-27233* #	US-PATENT-CLASS-35-19	c 10	N71-27365* #
US-PATENT-CLASS-343-703	c 07	N71-24614* #	US-PATENT-CLASS-343-840	c 09	N72-12136* #	US-PATENT-CLASS-35-22R	c 05	N73-13114* #
US-PATENT-CLASS-343-705	c 07	N70-38200* #	US-PATENT-CLASS-343-840	c 07	N72-32169* #	US-PATENT-CLASS-35-29	c 11	N71-16028* #
US-PATENT-CLASS-343-705	c 07	N70-40202* #	US-PATENT-CLASS-343-840	c 32	N76-18295* #	US-PATENT-CLASS-35-29	c 05	N71-28619* #
US-PATENT-CLASS-343-705	c 31	N71-10747* #	US-PATENT-CLASS-343-844	c 33	N83-36355* #	US-PATENT-CLASS-35-35A	c 71	N74-21014* #
US-PATENT-CLASS-343-705	c 03	N76-32140* #	US-PATENT-CLASS-343-844	c 32	N79-11264* #	US-PATENT-CLASS-35-45	c 14	N70-35394* #
US-PATENT-CLASS-343-706	c 07	N72-21117* #	US-PATENT-CLASS-343-844	c 32	N80-28578* #	US-PATENT-CLASS-35-49	c 12	N69-39988* #
US-PATENT-CLASS-343-708	c 09	N71-22888* #	US-PATENT-CLASS-343-846	c 33	N76-14372* #	US-PATENT-CLASS-35-8	c 05	N72-16015* #
US-PATENT-CLASS-343-708	c 07	N71-22984* #	US-PATENT-CLASS-343-846	c 32	N82-11336* #	US-PATENT-CLASS-350-100	c 36	N77-25501* #
US-PATENT-CLASS-343-708	c 07	N71-28980* #	US-PATENT-CLASS-343-853	c 07	N72-11148* #	US-PATENT-CLASS-350-102	c 23	N71-29123* #
US-PATENT-CLASS-343-708	c 09	N72-25247* #	US-PATENT-CLASS-343-853	c 07	N72-22127* #	US-PATENT-CLASS-350-102	c 36	N77-25501* #
US-PATENT-CLASS-343-708	c 32	N74-20864* #	US-PATENT-CLASS-343-853	c 07	N72-25174* #	US-PATENT-CLASS-350-138	c 23	N72-27728* #
US-PATENT-CLASS-343-708	c 32	N82-11336* #	US-PATENT-CLASS-343-853	c 09	N72-31235* #	US-PATENT-CLASS-350-145	c 74	N77-20882* #
US-PATENT-CLASS-343-718	c 09	N71-18720* #	US-PATENT-CLASS-343-853	c 10	N73-16206* #	US-PATENT-CLASS-350-147	c 14	N72-27409* #
US-PATENT-CLASS-343-720	c 09	N72-12136* #	US-PATENT-CLASS-343-853	c 32	N74-20863* #	US-PATENT-CLASS-350-150	c 26	N72-25680* #
US-PATENT-CLASS-343-725	c 07	N73-28013* #	US-PATENT-CLASS-343-853	c 32	N74-20864* #	US-PATENT-CLASS-350-150	c 36	N76-18427* #
US-PATENT-CLASS-343-727	c 32	N81-14187* #	US-PATENT-CLASS-343-854	c 07	N69-27460* #	US-PATENT-CLASS-350-151	c 36	N74-13205* #
US-PATENT-CLASS-343-727	c 32	N82-11336* #	US-PATENT-CLASS-343-854	c 07	N71-27233* #	US-PATENT-CLASS-350-151	c 35	N78-29421* #
US-PATENT-CLASS-343-729	c 07	N73-28013* #	US-PATENT-CLASS-343-854	c 09	N73-19234* #	US-PATENT-CLASS-350-157	c 74	N79-14891* #
US-PATENT-CLASS-343-730	c 32	N74-20863* #	US-PATENT-CLASS-343-854	c 33	N74-20860* #	US-PATENT-CLASS-350-159	c 74	N78-17665* #
US-PATENT-CLASS-343-754	c 09	N73-19234* #	US-PATENT-CLASS-343-854	c 33	N76-27472* #	US-PATENT-CLASS-350-160R	c 14	N72-25410* #
US-PATENT-CLASS-343-755	c 33	N76-27472* #	US-PATENT-CLASS-343-854	c 32	N79-11264* #	US-PATENT-CLASS-350-160R	c 26	N72-25680* #
US-PATENT-CLASS-343-755	c 32	N81-25278* #	US-PATENT-CLASS-343-854	c 32	N80-28578* #	US-PATENT-CLASS-350-160	c 36	N76-18427* #
US-PATENT-CLASS-343-761	c 33	N75-19516* #	US-PATENT-CLASS-343-872	c 07	N71-28980* #	US-PATENT-CLASS-350-161	c 26	N72-27784* #
US-PATENT-CLASS-343-761	c 32	N76-21365* #	US-PATENT-CLASS-343-873	c 07	N71-19493* #	US-PATENT-CLASS-350-161	c 36	N75-31427* #
US-PATENT-CLASS-343-762	c 07	N72-25174* #	US-PATENT-CLASS-343-873	c 09	N72-25247* #	US-PATENT-CLASS-350-162R	c 74	N80-21140* #
US-PATENT-CLASS-343-768	c 10	N71-26142* #	US-PATENT-CLASS-343-876	c 32	N76-15329* #	US-PATENT-CLASS-350-162SF	c 23	N73-30666* #
US-PATENT-CLASS-343-769	c 32	N74-20864* #	US-PATENT-CLASS-343-880	c 07	N73-26117* #	US-PATENT-CLASS-350-162SF	c 74	N76-31998* #
US-PATENT-CLASS-343-770	c 09	N72-31235* #	US-PATENT-CLASS-343-882	c 18	N80-14183* #	US-PATENT-CLASS-350-162SF	c 74	N77-28932* #
US-PATENT-CLASS-343-770	c 33	N76-14372* #	US-PATENT-CLASS-343-882	c 33	N76-32457* #	US-PATENT-CLASS-350-162SF	c 36	N77-32478* #
US-PATENT-CLASS-343-771	c 07	N71-28809* #	US-PATENT-CLASS-343-883	c 07	N73-26117* #	US-PATENT-CLASS-350-162	c 14	N72-17323* #
US-PATENT-CLASS-343-771	c 07	N72-11148* #	US-PATENT-CLASS-343-883	c 18	N80-14183* #	US-PATENT-CLASS-350-165	c 27	N78-17323* #
US-PATENT-CLASS-343-771	c 09	N72-21244* #	US-PATENT-CLASS-343-884	c 07	N71-27191* #	US-PATENT-CLASS-350-166	c 44	N83-34448* #
US-PATENT-CLASS-343-771	c 07	N72-22127* #	US-PATENT-CLASS-343-889	c 07	N73-26117* #	US-PATENT-CLASS-350-16	c 14	N72-22444* #
US-PATENT-CLASS-343-771	c 09	N72-25247* #	US-PATENT-CLASS-343-893	c 09	N72-21244* #	US-PATENT-CLASS-350-170	c 73	N78-32848* #
US-PATENT-CLASS-343-771	c 09	N72-31235* #	US-PATENT-CLASS-343-893	c 07	N73-28013* #	US-PATENT-CLASS-350-170	c 74	N83-10900* #
US-PATENT-CLASS-343-772	c 07	N72-20141* #	US-PATENT-CLASS-343-895	c 09	N73-19234* #	US-PATENT-CLASS-350-171	c 23	N72-23695* #
US-PATENT-CLASS-343-772	c 32	N81-25278* #	US-PATENT-CLASS-343-895	c 07	N73-26117* #	US-PATENT-CLASS-350-171	c 74	N83-17305* #
US-PATENT-CLASS-343-773	c 07	N72-20141* #	US-PATENT-CLASS-343-895	c 32	N80-23524* #	US-PATENT-CLASS-350-173	c 73	N78-32848* #
US-PATENT-CLASS-343-776	c 07	N71-12396* #	US-PATENT-CLASS-343-895	c 32	N82-27558* #	US-PATENT-CLASS-350-173	c 74	N78-36898* #
US-PATENT-CLASS-343-777	c 07	N71-27233* #	US-PATENT-CLASS-343-9PS	c 32	N83-19968* #	US-PATENT-CLASS-350-174	c 74	N77-20882* #
US-PATENT-CLASS-343-777	c 07	N72-25174* #	US-PATENT-CLASS-343-9PS	c 32	N83-31918* #	US-PATENT-CLASS-350-174	c 73	N78-32848* #
US-PATENT-CLASS-343-779	c 07	N71-11285* #	US-PATENT-CLASS-343-909	c 32	N74-11000* #	US-PATENT-CLASS-350-175E	c 74	N80-27185* #
US-PATENT-CLASS-343-779	c 10	N72-22235* #	US-PATENT-CLASS-343-909	c 35	N76-15435* #	US-PATENT-CLASS-350-175FS	c 14	N72-25414* #
US-PATENT-CLASS-343-779	c 07	N72-25174* #	US-PATENT-CLASS-343-909	c 33	N79-28416* #	US-PATENT-CLASS-350-175NG	c 27	N78-31233* #
US-PATENT-CLASS-343-779	c 32	N76-15329* #	US-PATENT-CLASS-343-909	c 32	N80-14281* #	US-PATENT-CLASS-350-189	c 23	N71-24857* #
US-PATENT-CLASS-343-779	c 33	N76-27472* #	US-PATENT-CLASS-343-912	c 07	N72-21117* #	US-PATENT-CLASS-350-199	c 14	N73-30393* #
US-PATENT-CLASS-343-781CA	c 32	N78-31321* #	US-PATENT-CLASS-343-912	c 07	N72-22127* #	US-PATENT-CLASS-350-199	c 14	N72-22441* #
US-PATENT-CLASS-343-781P	c 46	N82-12685* #	US-PATENT-CLASS-343-912	c 32	N76-18295* #	US-PATENT-CLASS-350-1	c 23	N69-24332* #
US-PATENT-CLASS-343-781R	c 32	N81-25278* #	US-PATENT-CLASS-343-915	c 31	N71-16102* #	US-PATENT-CLASS-350-1	c 07	N71-29065* #
US-PATENT-CLASS-343-781	c 09	N70-35219* #	US-PATENT-CLASS-343-915	c 09	N71-20658* #	US-PATENT-CLASS-350-1	c 16	N72-12440* #
US-PATENT-CLASS-343-781	c 09	N70-35382* #	US-PATENT-CLASS-343-915	c 07	N72-32169* #	US-PATENT-CLASS-350-1	c 24	N78-24363* #
US-PATENT-CLASS-343-781	c 09	N70-35425* #	US-PATENT-CLASS-343-915	c 07	N73-14130* #	US-PATENT-CLASS-350-1	c 74	N78-15879* #
US-PATENT-CLASS-343-781	c 07	N72-32169* #	US-PATENT-CLASS-343-915	c 07	N73-24176* #	US-PATENT-CLASS-350-202	c 23	N73-20741* #
US-PATENT-CLASS-343-781	c 32	N74-11000* #	US-PATENT-CLASS-343-915	c 32	N76-18295* #	US-PATENT-CLASS-350-202	c 74	N77-28932* #
US-PATENT-CLASS-343-781	c 33	N75-19516* #	US-PATENT-CLASS-343-915	c 33	N76-32457* #	US-PATENT-CLASS-350-203	c 14	N72-25409* #
US-PATENT-CLASS-343-781	c 32	N76-21365* #	US-PATENT-CLASS-343-9	c 32	N75-15854* #	US-PATENT-CLASS-350-204	c 14	N73-30393* #
US-PATENT-CLASS-343-782	c 07	N73-14130* #	US-PATENT-CLASS-346-107A	c 32	N79-10264* #	US-PATENT-CLASS-350-204	c 74	N78-17866* #
US-PATENT-CLASS-343-782	c 32	N78-31321* #	US-PATENT-CLASS-346-107	c 14	N72-18411* #	US-PATENT-CLASS-350-211	c 44	N76-14602* #
US-PATENT-CLASS-343-784	c 07	N71-28980* #	US-PATENT-CLASS-346-110	c 23	N71-23976* #	US-PATENT-CLASS-350-213	c 14	N71-15622* #
US-PATENT-CLASS-343-786	c 07	N71-15907* #	US-PATENT-CLASS-346-138	c 35	N74-15831* #	US-PATENT-CLASS-350-226	c 74	N80-27185* #
US-PATENT-CLASS-343-786	c 07	N71-22750* #	US-PATENT-CLASS-346-138	c 14	N73-32322* #	US-PATENT-CLASS-350-236	c 74	N74-15095* #
US-PATENT-CLASS-343-786	c 07	N71-26101* #	US-PATENT-CLASS-346-138	c 21	N73-13644* #	US-PATENT-CLASS-350-23	c 14	N72-22441* #
US-PATENT-CLASS-343-786	c 07	N71-272						

US-PATENT-CLASS-350-26

US-PATENT-CLASS-350-26 c 14 N72-22441* #
US-PATENT-CLASS-350-270 c 70 N74-21300* #
US-PATENT-CLASS-350-275 c 09 N71-19479* #
US-PATENT-CLASS-350-285 c 14 N71-15605* #
US-PATENT-CLASS-350-285 c 14 N71-17662* #
US-PATENT-CLASS-350-285 c 19 N71-26674* #
US-PATENT-CLASS-350-285 c 15 N72-11386* #
US-PATENT-CLASS-350-285 c 16 N73-33397* #
US-PATENT-CLASS-350-285 c 74 N74-15095* #
US-PATENT-CLASS-350-285 c 74 N80-21138* #
US-PATENT-CLASS-350-286 c 07 N71-29065* #
US-PATENT-CLASS-350-286 c 73 N78-32848* #
US-PATENT-CLASS-350-286 c 74 N83-10900* #
US-PATENT-CLASS-350-287 c 15 N72-11386* #
US-PATENT-CLASS-350-287 c 74 N83-13978* #
US-PATENT-CLASS-350-288 c 23 N71-29123* #
US-PATENT-CLASS-350-288 c 12 N76-15189* #
US-PATENT-CLASS-350-288 c 74 N77-28933* #
US-PATENT-CLASS-350-288 c 44 N79-11471* #
US-PATENT-CLASS-350-288 c 44 N79-24433* #
US-PATENT-CLASS-350-292 c 35 N75-12273* #
US-PATENT-CLASS-350-292 c 44 N79-14529* #
US-PATENT-CLASS-350-292 c 44 N79-24432* #
US-PATENT-CLASS-350-293 c 16 N73-16536* #
US-PATENT-CLASS-350-293 c 12 N76-15189* #
US-PATENT-CLASS-350-293 c 44 N76-24696* #
US-PATENT-CLASS-350-293 c 44 N78-10554* #
US-PATENT-CLASS-350-293 c 44 N79-14529* #
US-PATENT-CLASS-350-294 c 89 N79-10969* #
US-PATENT-CLASS-350-294 c 44 N79-24432* #
US-PATENT-CLASS-350-294 c 32 N80-24510* #
US-PATENT-CLASS-350-295 c 44 N77-32583* #
US-PATENT-CLASS-350-295 c 44 N80-14473* #
US-PATENT-CLASS-350-296 c 44 N79-24432* #
US-PATENT-CLASS-350-296 c 44 N80-14473* #
US-PATENT-CLASS-350-299 c 74 N74-21304* #
US-PATENT-CLASS-350-299 c 44 N76-24696* #
US-PATENT-CLASS-350-299 c 74 N77-28932* #
US-PATENT-CLASS-350-299 c 44 N78-10554* #
US-PATENT-CLASS-350-299 c 44 N78-31526* #
US-PATENT-CLASS-350-299 c 44 N79-11471* #
US-PATENT-CLASS-350-299 c 44 N79-24433* #
US-PATENT-CLASS-350-2 c 23 N71-30027* #
US-PATENT-CLASS-350-3 c 16 N71-15551* #
US-PATENT-CLASS-350-3 c 16 N71-15565* #
US-PATENT-CLASS-350-3 c 16 N71-15567* #
US-PATENT-CLASS-350-3 c 16 N71-26154* #
US-PATENT-CLASS-350-3 c 16 N71-29131* #
US-PATENT-CLASS-350-3 c 14 N72-17324* #
US-PATENT-CLASS-350-3 c 16 N73-30476* #
US-PATENT-CLASS-350-3 c 35 N74-15146* #
US-PATENT-CLASS-350-3 c 35 N74-17153* #
US-PATENT-CLASS-350-3 c 35 N74-26946* #
US-PATENT-CLASS-350-3 c 35 N75-25124* #
US-PATENT-CLASS-350-3 c 35 N75-27328* #
US-PATENT-CLASS-350-3 c 35 N76-18402* #
US-PATENT-CLASS-350-3 c 35 N78-17357* #
US-PATENT-CLASS-350-3 c 38 N78-32447* #
US-PATENT-CLASS-350-301 c 74 N81-17886* #
US-PATENT-CLASS-350-310 c 11 N69-24321* #
US-PATENT-CLASS-350-310 c 23 N71-24868* #
US-PATENT-CLASS-350-310 c 23 N71-29123* #
US-PATENT-CLASS-350-310 c 23 N71-33229* #
US-PATENT-CLASS-350-310 c 23 N72-22673* #
US-PATENT-CLASS-350-310 c 74 N77-28933* #
US-PATENT-CLASS-350-311 c 74 N75-25706* #
US-PATENT-CLASS-350-312 c 16 N72-12440* #
US-PATENT-CLASS-350-316 c 27 N83-36220* #
US-PATENT-CLASS-350-320 c 74 N77-28933* #
US-PATENT-CLASS-350-320 c 44 N77-32583* #
US-PATENT-CLASS-350-320 c 73 N78-32848* #
US-PATENT-CLASS-350-320 c 44 N79-14529* #
US-PATENT-CLASS-350-353 c 74 N83-19597* #
US-PATENT-CLASS-350-358 c 36 N82-29589* #
US-PATENT-CLASS-350-359 c 36 N80-16321* #
US-PATENT-CLASS-350-35 c 14 N72-22441* #
US-PATENT-CLASS-350-36 c 14 N72-22441* #
US-PATENT-CLASS-350-370 c 35 N81-33448* #
US-PATENT-CLASS-350-445 c 74 N83-36898* #
US-PATENT-CLASS-350-453 c 36 N82-32712* #
US-PATENT-CLASS-350-486 c 74 N83-13978* #
US-PATENT-CLASS-350-49 c 14 N72-22441* #
US-PATENT-CLASS-350-52 c 14 N72-22441* #
US-PATENT-CLASS-350-52 c 14 N72-22444* #
US-PATENT-CLASS-350-55 c 23 N71-33229* #
US-PATENT-CLASS-350-55 c 14 N73-30393* #
US-PATENT-CLASS-350-55 c 23 N73-30666* #
US-PATENT-CLASS-350-55 c 89 N79-10969* #
US-PATENT-CLASS-350-55 c 74 N80-33210* #
US-PATENT-CLASS-350-58 c 14 N71-15604* #
US-PATENT-CLASS-350-6 c 32 N80-24510* #
US-PATENT-CLASS-350-6 c 32 N80-24510* #
US-PATENT-CLASS-350-6 c 14 N69-27461* #
US-PATENT-CLASS-350-6 c 36 N74-15145* #
US-PATENT-CLASS-350-7 c 14 N72-32452* #
US-PATENT-CLASS-350-7 c 74 N74-15095* #

US-PATENT-CLASS-350-86 c 14 N72-22445* #
US-PATENT-CLASS-350-96 16 c 74 N83-29032* #
US-PATENT-CLASS-350-96 25 c 33 N81-29342* #
US-PATENT-CLASS-350-96R c 60 N77-14751* #
US-PATENT-CLASS-350-96R c 60 N77-32731* #
US-PATENT-CLASS-350-96R c 60 N78-10709* #
US-PATENT-CLASS-350-96WG c 36 N75-31427* #
US-PATENT-CLASS-350-96WG c 36 N76-18428* #
US-PATENT-CLASS-350-96WG c 36 N76-24553* #
US-PATENT-CLASS-350-96 c 07 N71-26291* #
US-PATENT-CLASS-351-166 c 74 N78-32854* #
US-PATENT-CLASS-351-23 c 05 N73-26072* #
US-PATENT-CLASS-351-23 c 52 N76-30793* #
US-PATENT-CLASS-351-30 c 05 N73-26072* #
US-PATENT-CLASS-351-30 c 52 N76-30793* #
US-PATENT-CLASS-351-36 c 05 N73-26072* #
US-PATENT-CLASS-351-36 c 52 N76-30793* #
US-PATENT-CLASS-351-38 c 54 N75-27759* #
US-PATENT-CLASS-352-169 c 14 N73-14427* #
US-PATENT-CLASS-352-171 c 35 N82-26628* #
US-PATENT-CLASS-352-84 c 16 N71-33410* #
US-PATENT-CLASS-352-84 c 14 N72-18411* #
US-PATENT-CLASS-353-54 c 34 N74-23066* #
US-PATENT-CLASS-353-61 c 34 N74-23066* #
US-PATENT-CLASS-354-118 c 74 N81-17886* #
US-PATENT-CLASS-354-217 c 35 N82-26628* #
US-PATENT-CLASS-354-234 c 33 N74-20861* #
US-PATENT-CLASS-354-234 c 70 N74-21300* #
US-PATENT-CLASS-354-289 c 35 N82-26628* #
US-PATENT-CLASS-354-77 c 74 N79-20856* #
US-PATENT-CLASS-355-18 c 14 N73-33361* #
US-PATENT-CLASS-355-103 c 14 N71-28994* #
US-PATENT-CLASS-355-103 c 36 N75-15028* #
US-PATENT-CLASS-355-103 c 74 N78-13874* #
US-PATENT-CLASS-355-104 c 16 N71-24074* #
US-PATENT-CLASS-355-104 c 74 N78-13874* #
US-PATENT-CLASS-355-106LR c 36 N75-19653* #
US-PATENT-CLASS-355-106R c 72 N74-19310* #
US-PATENT-CLASS-355-106R c 36 N76-14447* #
US-PATENT-CLASS-355-106R c 35 N77-10493* #
US-PATENT-CLASS-355-106R c 47 N77-10753* #
US-PATENT-CLASS-355-106S c 23 N73-13661* #
US-PATENT-CLASS-355-106S c 35 N76-31490* #
US-PATENT-CLASS-355-106S c 35 N78-18391* #
US-PATENT-CLASS-355-106S c 35 N74-23040* #
US-PATENT-CLASS-355-106 c 14 N71-17627* #
US-PATENT-CLASS-355-106 c 14 N71-17655* #
US-PATENT-CLASS-355-106 c 14 N71-27215* #
US-PATENT-CLASS-355-106 c 14 N73-12446* #
US-PATENT-CLASS-355-106 c 35 N74-15146* #
US-PATENT-CLASS-355-107 c 16 N71-24170* #
US-PATENT-CLASS-355-108 c 26 N73-26751* #
US-PATENT-CLASS-355-108 c 16 N73-30476* #
US-PATENT-CLASS-355-109 c 16 N73-30476* #
US-PATENT-CLASS-355-110 c 14 N73-25463* #
US-PATENT-CLASS-355-110 c 35 N78-18391* #
US-PATENT-CLASS-355-112 c 72 N74-19310* #
US-PATENT-CLASS-355-113 c 14 N72-17323* #
US-PATENT-CLASS-355-113 c 35 N74-23040* #
US-PATENT-CLASS-355-114 c 14 N73-12446* #
US-PATENT-CLASS-355-114 c 35 N76-31490* #
US-PATENT-CLASS-355-117 c 23 N71-16101* #
US-PATENT-CLASS-355-120 c 74 N78-27904* #
US-PATENT-CLASS-355-123 c 74 N76-19935* #
US-PATENT-CLASS-355-124 c 74 N79-11865* #
US-PATENT-CLASS-355-129 c 74 N79-20856* #
US-PATENT-CLASS-355-138 c 14 N72-20379* #
US-PATENT-CLASS-355-138 c 16 N73-33397* #
US-PATENT-CLASS-355-141 c 14 N72-27409* #
US-PATENT-CLASS-355-141 c 14 N73-28490* #
US-PATENT-CLASS-355-141 c 36 N74-21091* #
US-PATENT-CLASS-355-141 c 89 N74-30886* #
US-PATENT-CLASS-355-141 c 74 N77-22951* #
US-PATENT-CLASS-355-147 c 89 N74-30886* #
US-PATENT-CLASS-355-148 c 16 N73-33397* #
US-PATENT-CLASS-355-150 c 15 N71-28740* #
US-PATENT-CLASS-355-150 c 74 N80-21138* #
US-PATENT-CLASS-355-152 c 15 N71-28740* #
US-PATENT-CLASS-355-152 c 16 N72-13437* #
US-PATENT-CLASS-355-152 c 14 N72-20379* #
US-PATENT-CLASS-355-152 c 14 N72-27409* #
US-PATENT-CLASS-355-152 c 14 N73-25462* #
US-PATENT-CLASS-355-152 c 36 N74-15145* #
US-PATENT-CLASS-355-152 c 36 N74-21091* #
US-PATENT-CLASS-355-152 c 74 N74-21304* #
US-PATENT-CLASS-355-152 c 74 N77-22951* #
US-PATENT-CLASS-355-152 c 74 N80-21138* #
US-PATENT-CLASS-355-152 c 37 N81-27519* #
US-PATENT-CLASS-355-153 c 15 N71-28740* #
US-PATENT-CLASS-355-153 c 23 N71-29125* #
US-PATENT-CLASS-355-153 c 16 N73-33397* #
US-PATENT-CLASS-355-153 c 18 N76-14186* #
US-PATENT-CLASS-355-154 c 15 N71-26673* #
US-PATENT-CLASS-355-159 c 36 N78-14380* #
US-PATENT-CLASS-355-160 c 36 N78-14380* #

US-PATENT-CLASS-356-161 c 26 N73-26751* #
US-PATENT-CLASS-356-162 c 66 N76-19888* #
US-PATENT-CLASS-356-165 c 38 N78-17396* #
US-PATENT-CLASS-356-166 c 14 N71-23175* #
US-PATENT-CLASS-356-167 c 14 N72-11364* #
US-PATENT-CLASS-356-167 c 66 N76-19888* #
US-PATENT-CLASS-356-167 c 74 N78-27904* #
US-PATENT-CLASS-356-169 c 60 N78-17079* #
US-PATENT-CLASS-356-171 c 74 N77-22950* #
US-PATENT-CLASS-356-172 c 16 N73-33397* #
US-PATENT-CLASS-356-172 c 36 N74-21091* #
US-PATENT-CLASS-356-172 c 74 N77-22951* #
US-PATENT-CLASS-356-172 c 14 N72-21409* #
US-PATENT-CLASS-356-180 c 35 N74-27860* #
US-PATENT-CLASS-356-186 c 35 N75-19613* #
US-PATENT-CLASS-356-189 c 35 N75-19613* #
US-PATENT-CLASS-356-189 c 14 N72-21409* #
US-PATENT-CLASS-356-197 c 37 N74-18123* #
US-PATENT-CLASS-356-199 c 36 N78-14380* #
US-PATENT-CLASS-356-1 c 36 N83-34304* #
US-PATENT-CLASS-356-201 c 75 N74-30156* #
US-PATENT-CLASS-356-201 c 35 N77-14411* #
US-PATENT-CLASS-356-202 c 26 N73-26751* #
US-PATENT-CLASS-356-203 c 14 N71-26788* #
US-PATENT-CLASS-356-204 c 35 N77-14411* #
US-PATENT-CLASS-356-204 c 74 N78-17867* #
US-PATENT-CLASS-356-207 c 45 N76-17656* #
US-PATENT-CLASS-356-208 c 74 N78-33913* #
US-PATENT-CLASS-356-209 c 23 N71-16341* #
US-PATENT-CLASS-356-209 c 14 N71-28993* #
US-PATENT-CLASS-356-209 c 14 N72-17323* #
US-PATENT-CLASS-356-209 c 35 N76-31490* #
US-PATENT-CLASS-356-210 c 74 N79-11865* #
US-PATENT-CLASS-356-212 c 35 N77-31465* #
US-PATENT-CLASS-356-213 c 39 N81-25400* #
US-PATENT-CLASS-356-216 c 74 N74-15095* #
US-PATENT-CLASS-356-216 c 35 N80-18359* #
US-PATENT-CLASS-356-216 c 39 N81-25400* #
US-PATENT-CLASS-356-222 c 03 N72-20033* #
US-PATENT-CLASS-356-222 c 47 N83-32232* #
US-PATENT-CLASS-356-234 c 39 N81-25400* #
US-PATENT-CLASS-356-236 c 74 N77-21941* #
US-PATENT-CLASS-356-237 c 74 N77-10899* #
US-PATENT-CLASS-356-237 c 38 N78-17395* #
US-PATENT-CLASS-356-237 c 38 N78-17396* #
US-PATENT-CLASS-356-237 c 35 N79-28527* #
US-PATENT-CLASS-356-239 c 74 N77-10899* #
US-PATENT-CLASS-356-241 c 14 N72-32452* #
US-PATENT-CLASS-356-243 c 36 N80-16321* #
US-PATENT-CLASS-356-244 c 14 N72-17323* #
US-PATENT-CLASS-356-244 c 35 N76-31490* #
US-PATENT-CLASS-356-244 c 35 N80-26867* #
US-PATENT-CLASS-356-246 c 35 N74-27860* #
US-PATENT-CLASS-356-246 c 74 N78-17867* #
US-PATENT-CLASS-356-248 c 14 N72-22444* #
US-PATENT-CLASS-356-28 c 32 N80-24510* #
US-PATENT-CLASS-356-28 c 36 N81-24422* #
US-PATENT-CLASS-356-28 c 36 N82-32712* #
US-PATENT-CLASS-356-28 c 21 N71-19121* #
US-PATENT-CLASS-356-28 c 16 N71-24828* #
US-PATENT-CLASS-356-28 c 72 N74-19310* #
US-PATENT-CLASS-356-28 c 36 N75-15028* #
US-PATENT-CLASS-356-28 c 35 N75-16783* #
US-PATENT-CLASS-356-28 c 36 N76-14447* #
US-PATENT-CLASS-356-28 c 36 N77-25501* #
US-PATENT-CLASS-356-28 c 74 N78-17866* #
US-PATENT-CLASS-356-28 c 35 N79-18296* #
US-PATENT-CLASS-356-28 c 36 N80-16321* #
US-PATENT-CLASS-356-300 c 43 N79-17288* #
US-PATENT-CLASS-356-328 c 35 N80-26633* #
US-PATENT-CLASS-356-328 c 14 N72-11364* #
US-PATENT-CLASS-356-32 c 32 N73-20740* #
US-PATENT-CLASS-356-32 c 39 N81-25400* #
US-PATENT-CLASS-356-334 c 74 N80-21140* #
US-PATENT-CLASS-356-345 c 74 N81-17888* #
US-PATENT-CLASS-356-345 c 74 N81-29963* #
US-PATENT-CLASS-356-346 c 35 N80-20563* #
US-PATENT-CLASS-356-346 c 74 N81-29963* #
US-PATENT-CLASS-356-349 c 36 N82-16396* #
US-PATENT-CLASS-356-350 c 35 N81-33448* #
US-PATENT-CLASS-356-351 c 35 N81-33448* #
US-PATENT-CLASS-356-352 c 74 N81-17888* #
US-PATENT-CLASS-356-353 c 74 N83-32577* #
US-PATENT-CLASS-356-356 c 36 N81-24422* #
US-PATENT-CLASS-356-357 c 74 N83-21949* #
US-PATENT-CLASS-356-358 c 74 N81-17888* #
US-PATENT-CLASS-356-358 c 36 N81-24422* #
US-PATENT-CLASS-356-363 c 74 N83-32577* #
US-PATENT-CLASS-356-369 c 35 N80-26867* #
US-PATENT-CLASS-356-36 c 23 N71-16365* #
US-PATENT-CLASS-356-37 c 45 N76-21742* #
US-PATENT-CLASS-356-386 c 36 N82-16396* #
US-PATENT-CLASS-356-394 c 33 N83-18996* #
US-PATENT-CLASS-356-404 c 35 N79-28527* #
US-PATENT-CLASS-356-406 c 52 N81-27783* #
US-PATENT-CLASS-356-407 c 43 N79-17288* #

REPORT NUMBER INDEX

REPORT NUMBER INDEX

US-PATENT-CLASS-407-85

US-PATENT-CLASS-356-407	c 52	N81-27783* #	US-PATENT-CLASS-357-91	c 33	N78-27326* #	US-PATENT-CLASS-364-510	c 34	N81-26402* #
US-PATENT-CLASS-356-416	c 43	N79-17288* #	US-PATENT-CLASS-357-91	c 44	N80-29835* #	US-PATENT-CLASS-364-514	c 33	N81-33405* #
US-PATENT-CLASS-356-416	c 52	N81-27783* #	US-PATENT-CLASS-357-91	c 33	N81-26360* #	US-PATENT-CLASS-364-522	c 39	N83-20280* #
US-PATENT-CLASS-356-432	c 74	N81-17887* #	US-PATENT-CLASS-358-104	c 09	N78-18083* #	US-PATENT-CLASS-364-559	c 39	N83-20280* #
US-PATENT-CLASS-356-432	c 25	N81-25159* #	US-PATENT-CLASS-358-104	c 74	N79-13855* #	US-PATENT-CLASS-364-560	c 43	N79-26439* #
US-PATENT-CLASS-356-437	c 25	N81-14015* #	US-PATENT-CLASS-358-104	c 36	N83-34304* #	US-PATENT-CLASS-364-566	c 18	N81-29152* #
US-PATENT-CLASS-356-437	c 74	N74-15095* #	US-PATENT-CLASS-358-105	c 39	N83-20280* #	US-PATENT-CLASS-364-571	c 34	N81-26402* #
US-PATENT-CLASS-356-437	c 75	N74-30156* #	US-PATENT-CLASS-358-106	c 39	N78-16387* #	US-PATENT-CLASS-364-604	c 32	N79-14267* #
US-PATENT-CLASS-356-437	c 14	N72-17326* #	US-PATENT-CLASS-358-107	c 35	N79-18296* #	US-PATENT-CLASS-364-713	c 32	N79-20297* #
US-PATENT-CLASS-356-437	c 07	N73-26119* #	US-PATENT-CLASS-358-109	c 32	N79-20297* #	US-PATENT-CLASS-364-717	c 32	N82-31533* #
US-PATENT-CLASS-356-437	c 36	N74-15145* #	US-PATENT-CLASS-358-109	c 33	N81-33403* #	US-PATENT-CLASS-364-728	c 32	N79-14267* #
US-PATENT-CLASS-356-437	c 35	N75-15014* #	US-PATENT-CLASS-358-109	c 43	N82-13465* #	US-PATENT-CLASS-364-822	c 32	N83-18975* #
US-PATENT-CLASS-356-437	c 36	N83-34304* #	US-PATENT-CLASS-358-109	c 36	N83-34304* #	US-PATENT-CLASS-364-825	c 33	N82-24417* #
US-PATENT-CLASS-356-51	c 06	N72-31141* #	US-PATENT-CLASS-358-111	c 52	N79-10724* #	US-PATENT-CLASS-364-861	c 32	N83-18975* #
US-PATENT-CLASS-356-51	c 35	N75-30502* #	US-PATENT-CLASS-358-133	c 32	N77-24328* #	US-PATENT-CLASS-364-900	c 52	N79-12694* #
US-PATENT-CLASS-356-51	c 35	N83-21311* #	US-PATENT-CLASS-358-138	c 32	N77-24328* #	US-PATENT-CLASS-364-900	c 60	N79-20751* #
US-PATENT-CLASS-356-51	c 07	N73-26119* #	US-PATENT-CLASS-358-142	c 74	N78-14889* #	US-PATENT-CLASS-364-900	c 60	N81-27814* #
US-PATENT-CLASS-356-51	c 36	N74-15145* #	US-PATENT-CLASS-358-213	c 33	N81-33403* #	US-PATENT-CLASS-364-900	c 60	N83-32342* #
US-PATENT-CLASS-356-51	c 36	N75-15028* #	US-PATENT-CLASS-358-213	c 33	N82-24416* #	US-PATENT-CLASS-365-120	c 33	N81-29342* #
US-PATENT-CLASS-356-51	c 32	N82-23376* #	US-PATENT-CLASS-358-225	c 74	N78-17865* #	US-PATENT-CLASS-366-114	c 71	N83-35781* #
US-PATENT-CLASS-356-71	c 66	N76-19888* #	US-PATENT-CLASS-358-36	c 32	N75-21485* #	US-PATENT-CLASS-367-100	c 32	N82-18443* #
US-PATENT-CLASS-356-72	c 14	N71-23268* #	US-PATENT-CLASS-358-41	c 74	N78-17865* #	US-PATENT-CLASS-367-102	c 32	N82-18443* #
US-PATENT-CLASS-356-72	c 33	N73-27796* #	US-PATENT-CLASS-358-44	c 74	N77-18893* #	US-PATENT-CLASS-367-181	c 33	N82-26572* #
US-PATENT-CLASS-356-72	c 38	N78-32447* #	US-PATENT-CLASS-358-55	c 74	N78-17865* #	US-PATENT-CLASS-367-26	c 39	N80-10507* #
US-PATENT-CLASS-356-72	c 74	N80-33210* #	US-PATENT-CLASS-358-81	c 32	N79-20297* #	US-PATENT-CLASS-367-27	c 31	N80-32584* #
US-PATENT-CLASS-356-73	c 75	N74-30156* #	US-PATENT-CLASS-358-96	c 52	N79-10724* #	US-PATENT-CLASS-367-36	c 31	N80-32584* #
US-PATENT-CLASS-356-73	c 38	N78-32447* #	US-PATENT-CLASS-36-119	c 54	N78-17675* #	US-PATENT-CLASS-367-57	c 31	N80-32584* #
US-PATENT-CLASS-356-74	c 30	N71-15990* #	US-PATENT-CLASS-36-92	c 54	N78-17675* #	US-PATENT-CLASS-367-88	c 32	N82-18443* #
US-PATENT-CLASS-356-76	c 23	N71-26206* #	US-PATENT-CLASS-360-101	c 35	N76-16391* #	US-PATENT-CLASS-367-88	c 32	N83-31918* #
US-PATENT-CLASS-356-76	c 14	N71-29041* #	US-PATENT-CLASS-360-101	c 35	N76-16391* #	US-PATENT-CLASS-367-95	c 32	N82-23376* #
US-PATENT-CLASS-356-83	c 35	N75-19613* #	US-PATENT-CLASS-360-25	c 35	N77-17426* #	US-PATENT-CLASS-368-184	c 33	N83-36357* #
US-PATENT-CLASS-356-85	c 37	N74-18123* #	US-PATENT-CLASS-360-26	c 33	N76-18353* #	US-PATENT-CLASS-368-200	c 33	N83-36357* #
US-PATENT-CLASS-356-85	c 75	N74-30156* #	US-PATENT-CLASS-360-31	c 35	N77-17426* #	US-PATENT-CLASS-368-201	c 33	N83-36357* #
US-PATENT-CLASS-356-87	c 75	N74-30156* #	US-PATENT-CLASS-360-35	c 35	N76-16391* #	US-PATENT-CLASS-368-47	c 33	N81-14221* #
US-PATENT-CLASS-356-96	c 35	N75-19613* #	US-PATENT-CLASS-360-51	c 33	N76-18353* #	US-PATENT-CLASS-371-25	c 27	N81-15104* #
US-PATENT-CLASS-356-97	c 35	N77-14411* #	US-PATENT-CLASS-360-9	c 35	N76-16391* #	US-PATENT-CLASS-370-100	c 60	N82-16747* #
US-PATENT-CLASS-357-15	c 44	N78-13526* #	US-PATENT-CLASS-361-100	c 33	N83-34190* #	US-PATENT-CLASS-370-58	c 60	N81-27814* #
US-PATENT-CLASS-357-15	c 44	N79-11467* #	US-PATENT-CLASS-361-141	c 33	N82-11357* #	US-PATENT-CLASS-370-67	c 33	N82-29538* #
US-PATENT-CLASS-357-15	c 44	N81-29525* #	US-PATENT-CLASS-361-170	c 33	N79-28415* #	US-PATENT-CLASS-370-85	c 33	N81-14221* #
US-PATENT-CLASS-357-16	c 44	N78-13526* #	US-PATENT-CLASS-361-226	c 28	N82-18401* #	US-PATENT-CLASS-371-20	c 33	N81-26359* #
US-PATENT-CLASS-357-16	c 44	N79-11467* #	US-PATENT-CLASS-361-230	c 28	N82-18401* #	US-PATENT-CLASS-371-25	c 33	N81-26359* #
US-PATENT-CLASS-357-22	c 33	N79-11314* #	US-PATENT-CLASS-361-283	c 33	N82-26572* #	US-PATENT-CLASS-371-68	c 60	N82-29013* #
US-PATENT-CLASS-357-22	c 33	N79-12321* #	US-PATENT-CLASS-361-334	c 35	N81-26431* #	US-PATENT-CLASS-371-6	c 32	N83-13323* #
US-PATENT-CLASS-357-23	c 76	N75-25730* #	US-PATENT-CLASS-361-395	c 32	N78-24391* #	US-PATENT-CLASS-372-25	c 33	N83-34189* #
US-PATENT-CLASS-357-23	c 33	N79-12321* #	US-PATENT-CLASS-361-56	c 33	N81-27397* #	US-PATENT-CLASS-372-56	c 36	N82-28616* #
US-PATENT-CLASS-357-23	c 33	N81-26360* #	US-PATENT-CLASS-361-91	c 33	N81-27397* #	US-PATENT-CLASS-372-56	c 36	N83-10417* #
US-PATENT-CLASS-357-24	c 33	N75-31331* #	US-PATENT-CLASS-362-11	c 74	N81-17886* #	US-PATENT-CLASS-372-58	c 36	N82-28616* #
US-PATENT-CLASS-357-29	c 76	N75-25730* #	US-PATENT-CLASS-362-241	c 74	N81-17886* #	US-PATENT-CLASS-372-59	c 36	N83-10417* #
US-PATENT-CLASS-357-30	c 44	N76-28635* #	US-PATENT-CLASS-362-269	c 17	N78-17140* #	US-PATENT-CLASS-372-60	c 36	N83-10417* #
US-PATENT-CLASS-357-30	c 44	N78-13526* #	US-PATENT-CLASS-363-101	c 33	N78-32341* #	US-PATENT-CLASS-372-82	c 36	N82-28616* #
US-PATENT-CLASS-357-30	c 44	N78-24609* #	US-PATENT-CLASS-363-101	c 33	N81-19392* #	US-PATENT-CLASS-374-122	c 06	N83-10040* #
US-PATENT-CLASS-357-30	c 44	N78-25527* #	US-PATENT-CLASS-363-132	c 33	N82-18494* #	US-PATENT-CLASS-374-123	c 06	N83-10040* #
US-PATENT-CLASS-357-30	c 44	N79-11467* #	US-PATENT-CLASS-363-134	c 33	N79-24257* #	US-PATENT-CLASS-374-162R	c 74	N82-30071* #
US-PATENT-CLASS-357-30	c 44	N79-14528* #	US-PATENT-CLASS-363-147	c 44	N81-12542* #	US-PATENT-CLASS-374-17	c 35	N83-29650* #
US-PATENT-CLASS-357-30	c 44	N79-31752* #	US-PATENT-CLASS-363-16	c 33	N78-32341* #	US-PATENT-CLASS-374-46	c 34	N83-34221* #
US-PATENT-CLASS-357-30	c 44	N80-29835* #	US-PATENT-CLASS-363-17	c 33	N82-18494* #	US-PATENT-CLASS-374-51	c 39	N83-32081* #
US-PATENT-CLASS-357-30	c 44	N81-19558* #	US-PATENT-CLASS-363-21	c 33	N81-19392* #	US-PATENT-CLASS-375-104	c 35	N81-19427* #
US-PATENT-CLASS-357-30	c 44	N81-29525* #	US-PATENT-CLASS-363-21	c 33	N81-19393* #	US-PATENT-CLASS-375-108	c 60	N82-16747* #
US-PATENT-CLASS-357-30	c 44	N82-26777* #	US-PATENT-CLASS-363-24	c 33	N81-33404* #	US-PATENT-CLASS-375-106	c 32	N82-31583* #
US-PATENT-CLASS-357-30	c 44	N82-29709* #	US-PATENT-CLASS-363-27	c 44	N81-12542* #	US-PATENT-CLASS-375-107	c 32	N81-14186* #
US-PATENT-CLASS-357-30	c 44	N82-31764* #	US-PATENT-CLASS-363-36	c 33	N81-19393* #	US-PATENT-CLASS-375-114	c 60	N82-16747* #
US-PATENT-CLASS-357-30	c 44	N83-13579* #	US-PATENT-CLASS-363-40	c 33	N81-19393* #	US-PATENT-CLASS-375-115	c 32	N81-15179* #
US-PATENT-CLASS-357-30	c 44	N83-32177* #	US-PATENT-CLASS-363-47	c 33	N81-19393* #	US-PATENT-CLASS-375-116	c 60	N82-16747* #
US-PATENT-CLASS-357-41	c 33	N79-12321* #	US-PATENT-CLASS-363-53	c 33	N77-30365* #	US-PATENT-CLASS-375-1	c 32	N81-15179* #
US-PATENT-CLASS-357-42	c 76	N75-25730* #	US-PATENT-CLASS-363-54	c 33	N83-34190* #	US-PATENT-CLASS-375-1	c 35	N81-19427* #
US-PATENT-CLASS-357-45	c 33	N79-12321* #	US-PATENT-CLASS-363-56	c 33	N79-24254* #	US-PATENT-CLASS-375-1	c 33	N81-33405* #
US-PATENT-CLASS-357-45	c 44	N79-26475* #	US-PATENT-CLASS-363-56	c 33	N81-14220* #	US-PATENT-CLASS-375-34	c 35	N81-19427* #
US-PATENT-CLASS-357-4	c 33	N78-13320* #	US-PATENT-CLASS-363-56	c 33	N81-33404* #	US-PATENT-CLASS-375-54	c 33	N81-15192* #
US-PATENT-CLASS-357-52	c 76	N75-25730* #	US-PATENT-CLASS-363-57	c 33	N78-10377* #	US-PATENT-CLASS-375-58	c 32	N81-15179* #
US-PATENT-CLASS-357-52	c 44	N80-29835* #	US-PATENT-CLASS-363-60	c 33	N78-32341* #	US-PATENT-CLASS-375-67	c 33	N81-15192* #
US-PATENT-CLASS-357-54	c 76	N75-25730* #	US-PATENT-CLASS-363-60	c 44	N81-12542* #	US-PATENT-CLASS-375-99	c 35	N81-19427* #
US-PATENT-CLASS-357-55	c 33	N79-12321* #	US-PATENT-CLASS-363-61	c 33	N82-18494* #	US-PATENT-CLASS-378-2	c 34	N83-19015* #
US-PATENT-CLASS-357-55	c 33	N81-26360* #	US-PATENT-CLASS-363-70	c 33	N77-30365* #	US-PATENT-CLASS-378-43	c 34	N83-19015* #
US-PATENT-CLASS-357-59	c 44	N76-28635* #	US-PATENT-CLASS-363-71	c 33	N79-24254* #	US-PATENT-CLASS-384-124	c 27	N83-34043* #
US-PATENT-CLASS-357-59	c 44	N78-24609* #	US-PATENT-CLASS-363-71	c 33	N79-24257* #	US-PATENT-CLASS-4-10	c 54	N74-20725* #
US-PATENT-CLASS-357-59	c 44	N81-19558* #	US-PATENT-CLASS-363-71	c 33	N81-14220* #	US-PATENT-CLASS-4-110	c 05	N72-22093* #
US-PATENT-CLASS-357-5	c 33	N75-31332* #	US-PATENT-CLASS-363-78	c 33	N81-14220* #	US-PATENT-CLASS-4-120	c 54	N74-20725* #
US-PATENT-CLASS-357-5	c 33	N78-13320* #	US-PATENT-CLASS-363-87	c 33	N83-10345* #	US-PATENT-CLASS-4-144 3	c 52	N81-24711* #
US-PATENT-CLASS-357-60	c 33	N81-26360* #	US-PATENT-CLASS-363-89	c 33	N78-10377* #	US-PATENT-CLASS-4-144 3	c 52	N81-28740* #
US-PATENT-CLASS-357-63	c 33	N76-31409* #	US-PATENT-CLASS-363-95	c 33	N79-24257* #	US-PATENT-CLASS-4-99	c 05	N72-22093* #
US-PATENT-CLASS-357-63	c 44	N81-19558* #	US-PATENT-CLASS-363-97	c 33	N79-24254* #	US-PATENT-CLASS-40-28	c 12	N71-18603* #
US-PATENT-CLASS-357-63	c 44	N82-26777* #	US-PATENT-CLASS-364-106	c 07	N81-19115* #	US-PATENT-CLASS-403-105	c 37	N79-14382* #
US-PATENT-CLASS-357-65	c 44	N78-25527* #	US-PATENT-CLASS-364-120	c 52	N79-12694* #	US-PATENT-CLASS-403-171	c 31	N81-25258* #
US-PATENT-CLASS-357-65	c 44	N79-11467* #	US-PATENT-CLASS-364-200	c 62	N81-24779* #	US-PATENT-CLASS-403-179	c 27	N76-14264* #
US-PATENT-CLASS-357-65	c 44	N79-31752* #	US-PATENT-CLASS-364-200	c 60	N81-27814* #	US-PATENT-CLASS-403-217	c 37	N82-32732* #
US-PATENT-CLASS-357-67	c 44	N78-25527* #	US-PATENT-CLASS-364-200	c 60	N83-25378* #	US-PATENT-CLASS-403-273	c 37	N77-23482* #
US-PATENT-CLASS-357-67	c 44	N79-11467* #	US-PATENT-CLASS-364-200	c 60	N83-32342* #	US-PATENT-CLASS-403-282	c 26	N83-10170* #
US-PATENT-CLASS-357-67	c 44	N79-31752* #	US-PATENT-CLASS-364-300	c 52	N79-12694* #	US-PATENT-CLASS-403-28	c 27	N76-14264* #
US-PATENT-CLASS-357-73	c 33	N78-13320* #	US-PATENT-CLASS-364-413	c 39	N83-20280* #	US-PATENT-CLASS-403-315	c 37	N82-24494* #
US-PATENT-CLASS-357-74	c 37	N79-28549* #	US-PATENT-CLASS-364-415	c 52	N79-12694* #	US-PATENT-CLASS-403-317	c 37	N82-32732* #
US-PATENT-CLASS-357-79	c 37	N79-28549* #	US-PATENT-CLASS-364-417	c 52	N79-10724* #	US-PATENT-CLASS-403-331	c 37	N82-32732* #
US-PATENT-CLASS-357-7	c 33	N75-31331* #	US-PATENT-CLASS-364-431	c 07	N81-19115* #	US-PATENT-CLASS-403-340	c 37	N82-32732* #
US-PATENT-CLASS-357-81	c 37	N79-28549* #	US-PATENT-CLASS-364-434	c 08	N79-23097* #	US-PATENT-CLASS-405-229	c 44	N79-24432* #
US-PATENT-CLASS-357-82	c 37	N79-28549* #	US-PATENT-CLASS-364-434	c 08	N81-24106* #	US-PATENT-CLASS-405-263	c 44	N79-24432* #
US-PATENT-CLASS-357-83	c 37	N79-28549* #	US-PATENT-CLASS-364-453					

US-PATENT-CLASS-408-1R	c 37	N81-14319* #	US-PATENT-CLASS-416-238	c 05	N80-14107* #	US-PATENT-CLASS-423-581	c 25	N79-10162* #
US-PATENT-CLASS-408-1R	c 31	N83-27058* #	US-PATENT-CLASS-416-241A	c 07	N77-32148* #	US-PATENT-CLASS-423-582	c 26	N78-32229* #
US-PATENT-CLASS-408-111	c 37	N74-25968* #	US-PATENT-CLASS-416-244A	c 07	N78-33101* #	US-PATENT-CLASS-423-583	c 26	N78-32229* #
US-PATENT-CLASS-408-112	c 37	N75-25186* #	US-PATENT-CLASS-416-248	c 37	N78-10468* #	US-PATENT-CLASS-423-600	c 25	N83-33977* #
US-PATENT-CLASS-408-137	c 15	N71-33518* #	US-PATENT-CLASS-416-25	c 05	N75-12930* #	US-PATENT-CLASS-423-625	c 15	N73-19457* #
US-PATENT-CLASS-408-186	c 37	N75-25186* #	US-PATENT-CLASS-416-2	c 44	N79-14527* #	US-PATENT-CLASS-423-625	c 26	N80-14229* #
US-PATENT-CLASS-408-193	c 37	N75-25186* #	US-PATENT-CLASS-416-500	c 05	N81-19087* #	US-PATENT-CLASS-423-644	c 36	N76-18427* #
US-PATENT-CLASS-408-195	c 37	N75-25186* #	US-PATENT-CLASS-416-51	c 05	N79-17847* #	US-PATENT-CLASS-423-648R	c 44	N77-22607* #
US-PATENT-CLASS-408-61	c 31	N83-27058* #	US-PATENT-CLASS-416-61	c 35	N78-24515* #	US-PATENT-CLASS-423-648R	c 28	N78-24365* #
US-PATENT-CLASS-408-80	c 37	N74-25968* #	US-PATENT-CLASS-416-61	c 37	N79-14382* #	US-PATENT-CLASS-423-648R	c 28	N80-20402* #
US-PATENT-CLASS-409-131	c 31	N83-27058* #	US-PATENT-CLASS-416-88	c 05	N79-17847* #	US-PATENT-CLASS-423-648R	c 28	N81-14103* #
US-PATENT-CLASS-41R	c 27	N81-15104* #	US-PATENT-CLASS-416-89	c 05	N79-17847* #	US-PATENT-CLASS-423-648R	c 25	N82-28368* #
US-PATENT-CLASS-411-353	c 37	N83-19091* #	US-PATENT-CLASS-416-97R	c 34	N83-27144* #	US-PATENT-CLASS-423-648R	c 25	N83-29324* #
US-PATENT-CLASS-411-517	c 37	N83-19091* #	US-PATENT-CLASS-417-138	c 35	N75-19611* #	US-PATENT-CLASS-423-649	c 25	N83-29324* #
US-PATENT-CLASS-414-1	c 37	N80-14398* #	US-PATENT-CLASS-417-141	c 44	N76-29701* #	US-PATENT-CLASS-423-650	c 44	N76-18642* #
US-PATENT-CLASS-414-1	c 37	N81-14320* #	US-PATENT-CLASS-417-152	c 15	N72-22489* #	US-PATENT-CLASS-423-650	c 44	N76-29700* #
US-PATENT-CLASS-414-222	c 37	N82-32731* #	US-PATENT-CLASS-417-15	c 37	N82-26078* #	US-PATENT-CLASS-423-650	c 44	N76-29704* #
US-PATENT-CLASS-414-226	c 37	N82-32731* #	US-PATENT-CLASS-417-207	c 44	N76-29701* #	US-PATENT-CLASS-423-650	c 44	N77-10636* #
US-PATENT-CLASS-414-4	c 37	N79-28551* #	US-PATENT-CLASS-417-209	c 34	N76-17317* #	US-PATENT-CLASS-423-650	c 28	N80-10374* #
US-PATENT-CLASS-414-4	c 54	N81-26718* #	US-PATENT-CLASS-417-209	c 44	N76-29701* #	US-PATENT-CLASS-423-658 5	c 28	N81-15119* #
US-PATENT-CLASS-414-6	c 54	N79-24652* #	US-PATENT-CLASS-417-225	c 35	N78-10428* #	US-PATENT-CLASS-424-12	c 25	N79-14169* #
US-PATENT-CLASS-414-730	c 37	N81-27519* #	US-PATENT-CLASS-417-36	c 35	N75-19611* #	US-PATENT-CLASS-424-12	c 51	N80-16715* #
US-PATENT-CLASS-414-735	c 54	N81-26718* #	US-PATENT-CLASS-417-379	c 44	N76-29701* #	US-PATENT-CLASS-424-156	c 25	N83-33977* #
US-PATENT-CLASS-414-739	c 37	N82-32731* #	US-PATENT-CLASS-417-383	c 37	N80-31790* #	US-PATENT-CLASS-424-180	c 52	N75-15270* #
US-PATENT-CLASS-414-744A	c 54	N81-26718* #	US-PATENT-CLASS-417-391	c 15	N73-24513* #	US-PATENT-CLASS-424-247	c 52	N81-29764* #
US-PATENT-CLASS-415-DIG 8	c 44	N82-24639* #	US-PATENT-CLASS-417-395	c 35	N75-19611* #	US-PATENT-CLASS-424-267	c 52	N81-29764* #
US-PATENT-CLASS-415-101	c 44	N80-21828* #	US-PATENT-CLASS-417-399	c 44	N83-14693* #	US-PATENT-CLASS-424-274	c 52	N81-14613* #
US-PATENT-CLASS-415-115	c 07	N79-10057* #	US-PATENT-CLASS-417-417	c 44	N83-28574* #	US-PATENT-CLASS-424-274	c 52	N81-29764* #
US-PATENT-CLASS-415-115	c 34	N83-27144* #	US-PATENT-CLASS-417-470	c 35	N74-15126* #	US-PATENT-CLASS-424-3	c 51	N77-27677* #
US-PATENT-CLASS-415-116	c 07	N79-10057* #	US-PATENT-CLASS-417-471	c 35	N74-15126* #	US-PATENT-CLASS-425-DIG 43	c 31	N75-13111* #
US-PATENT-CLASS-415-118	c 35	N83-35338* #	US-PATENT-CLASS-417-50	c 15	N71-27084* #	US-PATENT-CLASS-425-10	c 31	N83-35176* #
US-PATENT-CLASS-415-143	c 34	N79-20335* #	US-PATENT-CLASS-417-52	c 37	N74-27904* #	US-PATENT-CLASS-425-113	c 15	N73-13464* #
US-PATENT-CLASS-415-145	c 07	N77-28118* #	US-PATENT-CLASS-417-88	c 44	N78-32539* #	US-PATENT-CLASS-425-128	c 31	N74-32920* #
US-PATENT-CLASS-415-145	c 07	N82-32366* #	US-PATENT-CLASS-418-113	c 37	N82-16408* #	US-PATENT-CLASS-425-133	c 15	N73-13464* #
US-PATENT-CLASS-415-174	c 37	N79-18318* #	US-PATENT-CLASS-418-142	c 37	N82-16408* #	US-PATENT-CLASS-425-176	c 15	N73-13464* #
US-PATENT-CLASS-415-174	c 37	N80-26658* #	US-PATENT-CLASS-42-1F	c 11	N72-22247* #	US-PATENT-CLASS-425-28B	c 31	N74-32917* #
US-PATENT-CLASS-415-174	c 37	N82-19540* #	US-PATENT-CLASS-42-215	c 44	N76-29704* #	US-PATENT-CLASS-425-35	c 31	N74-32917* #
US-PATENT-CLASS-415-174	c 27	N82-29453* #	US-PATENT-CLASS-420-445	c 26	N82-31505* #	US-PATENT-CLASS-425-378R	c 31	N81-15154* #
US-PATENT-CLASS-415-174	c 18	N83-20996* #	US-PATENT-CLASS-420-551	c 26	N82-31505* #	US-PATENT-CLASS-425-405R	c 31	N75-13111* #
US-PATENT-CLASS-415-175	c 07	N83-31603* #	US-PATENT-CLASS-420-588	c 26	N82-31505* #	US-PATENT-CLASS-425-415	c 31	N74-32920* #
US-PATENT-CLASS-415-178	c 07	N82-32366* #	US-PATENT-CLASS-422-109	c 54	N81-24724* #	US-PATENT-CLASS-425-438	c 31	N75-13111* #
US-PATENT-CLASS-415-178	c 07	N83-31603* #	US-PATENT-CLASS-422-186	c 25	N82-28368* #	US-PATENT-CLASS-425-468	c 31	N75-13111* #
US-PATENT-CLASS-415-180	c 07	N77-23106* #	US-PATENT-CLASS-422-187	c 37	N80-10494* #	US-PATENT-CLASS-425-6	c 31	N81-33319* #
US-PATENT-CLASS-415-180	c 37	N78-10467* #	US-PATENT-CLASS-422-198	c 25	N82-28368* #	US-PATENT-CLASS-425-6	c 27	N82-28442* #
US-PATENT-CLASS-415-181	c 07	N74-28226* #	US-PATENT-CLASS-422-199	c 37	N80-10494* #	US-PATENT-CLASS-425-6	c 31	N83-31896* #
US-PATENT-CLASS-415-181	c 07	N74-31270* #	US-PATENT-CLASS-422-200	c 44	N83-10501* #	US-PATENT-CLASS-425-6	c 31	N83-35176* #
US-PATENT-CLASS-415-196	c 37	N80-26658* #	US-PATENT-CLASS-422-202	c 44	N83-10501* #	US-PATENT-CLASS-425-77	c 15	N72-20446* #
US-PATENT-CLASS-415-196	c 37	N82-19540* #	US-PATENT-CLASS-422-208	c 37	N80-10494* #	US-PATENT-CLASS-425-7	c 31	N83-35176* #
US-PATENT-CLASS-415-197	c 18	N83-20996* #	US-PATENT-CLASS-422-224	c 31	N80-18231* #	US-PATENT-CLASS-427-113	c 44	N76-28635* #
US-PATENT-CLASS-415-199	c 05	N80-14107* #	US-PATENT-CLASS-422-224	c 44	N83-10501* #	US-PATENT-CLASS-427-113	c 44	N78-24609* #
US-PATENT-CLASS-415-1	c 34	N79-20335* #	US-PATENT-CLASS-422-235	c 37	N80-10494* #	US-PATENT-CLASS-427-115	c 25	N82-21268* #
US-PATENT-CLASS-415-1	c 07	N83-31603* #	US-PATENT-CLASS-422-242	c 37	N80-10494* #	US-PATENT-CLASS-427-123	c 44	N79-11472* #
US-PATENT-CLASS-415-2R	c 44	N82-24639* #	US-PATENT-CLASS-422-246	c 76	N80-32244* #	US-PATENT-CLASS-427-124	c 37	N78-13436* #
US-PATENT-CLASS-415-200	c 07	N79-14096* #	US-PATENT-CLASS-422-246	c 33	N81-19389* #	US-PATENT-CLASS-427-126	c 37	N78-13436* #
US-PATENT-CLASS-415-200	c 37	N79-18318* #	US-PATENT-CLASS-422-246	c 76	N82-30105* #	US-PATENT-CLASS-427-126	c 44	N79-11472* #
US-PATENT-CLASS-415-201	c 07	N79-14096* #	US-PATENT-CLASS-422-249	c 33	N81-19389* #	US-PATENT-CLASS-427-130	c 44	N77-32583* #
US-PATENT-CLASS-415-2	c 44	N80-21828* #	US-PATENT-CLASS-422-27	c 54	N81-24724* #	US-PATENT-CLASS-427-140	c 27	N82-33520* #
US-PATENT-CLASS-415-47	c 07	N83-31603* #	US-PATENT-CLASS-422-30	c 54	N81-24724* #	US-PATENT-CLASS-427-140	c 24	N83-13172* #
US-PATENT-CLASS-415-9	c 44	N79-14527* #	US-PATENT-CLASS-422-34	c 54	N81-24724* #	US-PATENT-CLASS-427-160	c 34	N77-18382* #
US-PATENT-CLASS-416-104	c 05	N77-17029* #	US-PATENT-CLASS-422-3	c 54	N81-24724* #	US-PATENT-CLASS-427-160	c 44	N78-19599* #
US-PATENT-CLASS-416-114	c 05	N81-19087* #	US-PATENT-CLASS-422-40	c 35	N82-11432* #	US-PATENT-CLASS-427-162	c 12	N76-15189* #
US-PATENT-CLASS-416-115	c 02	N72-11018* #	US-PATENT-CLASS-422-41	c 52	N79-14749* #	US-PATENT-CLASS-427-164	c 27	N78-14164* #
US-PATENT-CLASS-416-121	c 02	N72-11018* #	US-PATENT-CLASS-422-48	c 52	N79-14749* #	US-PATENT-CLASS-427-164	c 27	N78-31233* #
US-PATENT-CLASS-416-127	c 02	N72-11018* #	US-PATENT-CLASS-422-52	c 51	N80-16714* #	US-PATENT-CLASS-427-164	c 74	N78-32854* #
US-PATENT-CLASS-416-130	c 02	N72-11018* #	US-PATENT-CLASS-422-52	c 51	N83-27569* #	US-PATENT-CLASS-427-164	c 27	N80-24437* #
US-PATENT-CLASS-416-132R	c 05	N79-17847* #	US-PATENT-CLASS-422-60	c 51	N80-27067* #	US-PATENT-CLASS-427-196	c 27	N76-15310* #
US-PATENT-CLASS-416-135	c 07	N73-21248* #	US-PATENT-CLASS-422-68	c 25	N82-12166* #	US-PATENT-CLASS-427-203	c 27	N76-16229* #
US-PATENT-CLASS-416-135	c 37	N78-10468* #	US-PATENT-CLASS-422-9	c 45	N80-14579* #	US-PATENT-CLASS-427-204	c 27	N76-16229* #
US-PATENT-CLASS-416-138	c 05	N77-17029* #	US-PATENT-CLASS-423-131	c 28	N81-15119* #	US-PATENT-CLASS-427-205	c 27	N76-16229* #
US-PATENT-CLASS-416-138	c 05	N79-17847* #	US-PATENT-CLASS-423-149	c 26	N80-14229* #	US-PATENT-CLASS-427-205	c 27	N82-28441* #
US-PATENT-CLASS-416-141	c 05	N77-17029* #	US-PATENT-CLASS-423-1	c 28	N81-15119* #	US-PATENT-CLASS-427-215	c 27	N78-32260* #
US-PATENT-CLASS-416-141	c 37	N78-10468* #	US-PATENT-CLASS-423-231	c 25	N74-12813* #	US-PATENT-CLASS-427-215	c 24	N83-33950* #
US-PATENT-CLASS-416-144	c 35	N78-24515* #	US-PATENT-CLASS-423-235	c 25	N82-28368* #	US-PATENT-CLASS-427-219 2	c 27	N83-31855* #
US-PATENT-CLASS-416-149	c 02	N72-11018* #	US-PATENT-CLASS-423-242	c 45	N79-12584* #	US-PATENT-CLASS-427-221	c 27	N81-19296* #
US-PATENT-CLASS-416-153	c 07	N77-14025* #	US-PATENT-CLASS-423-249	c 25	N76-27383* #	US-PATENT-CLASS-427-229	c 25	N78-10225* #
US-PATENT-CLASS-416-157B	c 07	N79-14095* #	US-PATENT-CLASS-423-293	c 26	N80-14229* #	US-PATENT-CLASS-427-230	c 37	N76-31524* #
US-PATENT-CLASS-416-160	c 07	N77-14025* #	US-PATENT-CLASS-423-33-5	c 25	N79-28253* #	US-PATENT-CLASS-427-240	c 37	N81-33482* #
US-PATENT-CLASS-416-160	c 07	N79-14095* #	US-PATENT-CLASS-423-345	c 76	N76-25049* #	US-PATENT-CLASS-427-241	c 24	N83-33950* #
US-PATENT-CLASS-416-162	c 07	N77-14025* #	US-PATENT-CLASS-423-345	c 76	N79-23798* #	US-PATENT-CLASS-427-243	c 31	N83-35177* #
US-PATENT-CLASS-416-162	c 07	N79-14095* #	US-PATENT-CLASS-423-346	c 76	N76-25049* #	US-PATENT-CLASS-427-244	c 25	N82-21268* #
US-PATENT-CLASS-416-165	c 07	N77-14025* #	US-PATENT-CLASS-423-348	c 26	N80-14229* #	US-PATENT-CLASS-427-245	c 27	N80-23452* #
US-PATENT-CLASS-416-167	c 07	N77-14025* #	US-PATENT-CLASS-423-350	c 37	N80-10494* #	US-PATENT-CLASS-427-246	c 25	N82-21268* #
US-PATENT-CLASS-416-167	c 07	N79-14095* #	US-PATENT-CLASS-423-350	c 31	N80-18231* #	US-PATENT-CLASS-427-247	c 31	N83-35177* #
US-PATENT-CLASS-416-190	c 07	N77-32148* #	US-PATENT-CLASS-423-352	c 36	N76-18427* #	US-PATENT-CLASS-427-248E	c 37	N78-13436* #
US-PATENT-CLASS-416-193A	c 07	N77-32148* #	US-PATENT-CLASS-423-407	c 24	N76-14203* #	US-PATENT-CLASS-427-248J	c 44	N78-24609* #
US-PATENT-CLASS-416-1	c 34	N83-27144* #	US-PATENT-CLASS-423-417	c 26	N80-14229* #	US-PATENT-CLASS-427-248	c 44	N76-28635* #
US-PATENT-CLASS-416-200	c 02	N72-11018* #	US-PATENT-CLASS-423-419P	c 25	N83-33977* #	US-PATENT-CLASS-427-249	c 44	N76-28635* #
US-PATENT-CLASS-416-214A	c 07	N78-33101* #	US-PATENT-CLASS-423-446	c 15	N73-19457* #	US-PATENT-CLASS-427-249	c 44	N78-24609* #
US-PATENT-CLASS-416-220R	c 07	N77-27116* #	US-PATENT-CLASS-423-447 2	c 24	N83-25789* #	US-PATENT-CLASS-427-250	c 12	N76-15189* #
US-PATENT-CLASS-416-220R	c 37	N78-10468* #	US-PATENT-CLASS-423-447 6	c 24	N83-25789* #	US-PATENT-CLASS-427-250	c 44	N76-28635* #
US-PATENT-CLASS-416-221	c 07	N77-27116* #	US-PATENT-CLASS-423-447 7	c 24	N83-25789* #	US-PATENT-CLASS-427-250	c 37	N78-13436* #
US-PATENT-CLASS-416-223	c 07	N74-28226* #	US-PATENT-CLASS-423-539	c 25	N82-28368* #	US-PATENT-CLASS-427-253	c 27	N82-28441* #
US-PATENT-CLASS-416-224	c 24	N77-19170* #	US-PATENT-CLASS-423-540	c 25	N82-28368* #	US-PATENT-CLASS-427-255	c 37	N78-13436* #
US-PATENT-CLASS-416-228	c 05	N80-14107* #	US-PATENT-					

REPORT NUMBER INDEX

US-PATENT-CLASS-428-623

US-PATENT-CLASS-427-275	c 27	N76-16229* #	US-PATENT-CLASS-427-90	c 44	N83-13579* #	US-PATENT-CLASS-428-366	c 24	N79-24062* #
US-PATENT-CLASS-427-287	c 27	N76-16229* #	US-PATENT-CLASS-427-91	c 44	N83-13579* #	US-PATENT-CLASS-428-367	c 27	N81-27272* #
US-PATENT-CLASS-427-292	c 24	N79-17916* #	US-PATENT-CLASS-427-95	c 25	N79-28253* #	US-PATENT-CLASS-428-367	c 24	N83-33950* #
US-PATENT-CLASS-427-292	c 24	N83-13172* #	US-PATENT-CLASS-428-109	c 27	N76-14264* #	US-PATENT-CLASS-428-368	c 24	N77-27188* #
US-PATENT-CLASS-427-294	c 27	N79-14214* #	US-PATENT-CLASS-428-109	c 33	N79-12331* #	US-PATENT-CLASS-428-368	c 27	N83-18908* #
US-PATENT-CLASS-427-302	c 74	N78-32854* #	US-PATENT-CLASS-428-113	c 24	N81-14000* #	US-PATENT-CLASS-428-375	c 24	N79-16915* #
US-PATENT-CLASS-427-302	c 24	N83-13172* #	US-PATENT-CLASS-428-114	c 24	N81-13999* #	US-PATENT-CLASS-428-375	c 24	N83-33950* #
US-PATENT-CLASS-427-318	c 26	N83-31795* #	US-PATENT-CLASS-428-114	c 24	N81-14000* #	US-PATENT-CLASS-428-392	c 24	N83-33950* #
US-PATENT-CLASS-427-322	c 34	N77-18382* #	US-PATENT-CLASS-428-116	c 24	N78-10214* #	US-PATENT-CLASS-428-406	c 27	N78-32260* #
US-PATENT-CLASS-427-322	c 74	N78-32854* #	US-PATENT-CLASS-428-116	c 24	N78-17149* #	US-PATENT-CLASS-428-408	c 27	N81-27272* #
US-PATENT-CLASS-427-322	c 27	N83-34039* #	US-PATENT-CLASS-428-117	c 37	N76-24575* #	US-PATENT-CLASS-428-411	c 27	N78-14164* #
US-PATENT-CLASS-427-327	c 24	N79-17916* #	US-PATENT-CLASS-428-117	c 24	N78-15180* #	US-PATENT-CLASS-428-411	c 27	N78-31233* #
US-PATENT-CLASS-427-328	c 24	N79-17916* #	US-PATENT-CLASS-428-117	c 24	N79-16915* #	US-PATENT-CLASS-428-411	c 27	N79-14214* #
US-PATENT-CLASS-427-340	c 27	N83-34039* #	US-PATENT-CLASS-428-119	c 24	N79-16915* #	US-PATENT-CLASS-428-412	c 27	N78-16230* #
US-PATENT-CLASS-427-343	c 44	N79-11472* #	US-PATENT-CLASS-428-133	c 37	N79-10422* #	US-PATENT-CLASS-428-412	c 27	N78-31233* #
US-PATENT-CLASS-427-34	c 34	N78-18355* #	US-PATENT-CLASS-428-137	c 24	N79-25142* #	US-PATENT-CLASS-428-412	c 74	N78-32854* #
US-PATENT-CLASS-427-34	c 24	N79-17916* #	US-PATENT-CLASS-428-138	c 24	N78-10214* #	US-PATENT-CLASS-428-412	c 27	N79-18052* #
US-PATENT-CLASS-427-34	c 27	N82-29453* #	US-PATENT-CLASS-428-139	c 23	N81-29160* #	US-PATENT-CLASS-428-413	c 27	N78-16230* #
US-PATENT-CLASS-427-34	c 27	N83-31855* #	US-PATENT-CLASS-428-140	c 24	N81-14000* #	US-PATENT-CLASS-428-413	c 15	N79-26100* #
US-PATENT-CLASS-427-34	c 31	N83-35177* #	US-PATENT-CLASS-428-141	c 24	N77-28225* #	US-PATENT-CLASS-428-413	c 24	N81-14000* #
US-PATENT-CLASS-427-350	c 24	N79-25142* #	US-PATENT-CLASS-428-141	c 27	N82-28440* #	US-PATENT-CLASS-428-414	c 15	N79-26100* #
US-PATENT-CLASS-427-352	c 27	N83-34039* #	US-PATENT-CLASS-428-141	c 27	N82-33521* #	US-PATENT-CLASS-428-414	c 27	N78-14264* #
US-PATENT-CLASS-427-355	c 24	N79-17916* #	US-PATENT-CLASS-428-161	c 24	N77-28225* #	US-PATENT-CLASS-428-418	c 24	N77-27188* #
US-PATENT-CLASS-427-372 2	c 27	N82-33520* #	US-PATENT-CLASS-428-189	c 27	N79-12221* #	US-PATENT-CLASS-428-418	c 15	N79-26100* #
US-PATENT-CLASS-427-372A	c 24	N79-25142* #	US-PATENT-CLASS-428-192	c 27	N82-24339* #	US-PATENT-CLASS-428-418	c 34	N77-18382* #
US-PATENT-CLASS-427-376A	c 27	N78-32260* #	US-PATENT-CLASS-428-193	c 27	N82-24339* #	US-PATENT-CLASS-428-421	c 15	N79-26100* #
US-PATENT-CLASS-427-376B	c 27	N78-32260* #	US-PATENT-CLASS-428-212	c 27	N76-14264* #	US-PATENT-CLASS-428-421	c 27	N80-24437* #
US-PATENT-CLASS-427-376B	c 24	N79-17916* #	US-PATENT-CLASS-428-212	c 27	N79-12221* #	US-PATENT-CLASS-428-421	c 76	N83-34796* #
US-PATENT-CLASS-427-376C	c 24	N79-17916* #	US-PATENT-CLASS-428-212	c 27	N82-29456* #	US-PATENT-CLASS-428-422	c 27	N78-31233* #
US-PATENT-CLASS-427-376	c 27	N76-22377* #	US-PATENT-CLASS-428-214	c 27	N76-14264* #	US-PATENT-CLASS-428-422	c 76	N83-34796* #
US-PATENT-CLASS-427-376	c 27	N76-23426* #	US-PATENT-CLASS-428-218	c 27	N82-29456* #	US-PATENT-CLASS-428-425	c 24	N77-28225* #
US-PATENT-CLASS-427-379	c 27	N76-22377* #	US-PATENT-CLASS-428-218	c 24	N83-13171* #	US-PATENT-CLASS-428-426	c 74	N78-15879* #
US-PATENT-CLASS-427-379	c 27	N76-23426* #	US-PATENT-CLASS-428-220	c 15	N79-26100* #	US-PATENT-CLASS-428-427	c 27	N78-32260* #
US-PATENT-CLASS-427-379	c 27	N78-32260* #	US-PATENT-CLASS-428-241	c 27	N82-24339* #	US-PATENT-CLASS-428-427	c 44	N83-34448* #
US-PATENT-CLASS-427-379	c 27	N81-19296* #	US-PATENT-CLASS-428-241	c 27	N83-18908* #	US-PATENT-CLASS-428-428	c 27	N76-22377* #
US-PATENT-CLASS-427-379	c 24	N83-13171* #	US-PATENT-CLASS-428-242	c 27	N82-24339* #	US-PATENT-CLASS-428-428	c 27	N76-23426* #
US-PATENT-CLASS-427-379	c 24	N83-13172* #	US-PATENT-CLASS-428-244	c 27	N83-18908* #	US-PATENT-CLASS-428-428	c 74	N78-15879* #
US-PATENT-CLASS-427-380	c 27	N76-22377* #	US-PATENT-CLASS-428-245	c 27	N82-24339* #	US-PATENT-CLASS-428-428	c 27	N78-32260* #
US-PATENT-CLASS-427-380	c 27	N76-23426* #	US-PATENT-CLASS-428-245	c 27	N83-18908* #	US-PATENT-CLASS-428-428	c 44	N83-34448* #
US-PATENT-CLASS-427-380	c 27	N78-32260* #	US-PATENT-CLASS-428-247	c 33	N79-12331* #	US-PATENT-CLASS-428-446	c 27	N78-32260* #
US-PATENT-CLASS-427-384	c 24	N83-13171* #	US-PATENT-CLASS-428-247	c 33	N82-26571* #	US-PATENT-CLASS-428-446	c 27	N82-29456* #
US-PATENT-CLASS-427-384	c 24	N83-13172* #	US-PATENT-CLASS-428-251	c 27	N82-24339* #	US-PATENT-CLASS-428-447	c 27	N76-14264* #
US-PATENT-CLASS-427-385 5	c 27	N81-14078* #	US-PATENT-CLASS-428-257	c 27	N82-24339* #	US-PATENT-CLASS-428-447	c 27	N76-16230* #
US-PATENT-CLASS-427-385B	c 44	N78-25530* #	US-PATENT-CLASS-428-258	c 33	N79-12331* #	US-PATENT-CLASS-428-447	c 27	N78-31233* #
US-PATENT-CLASS-427-385C	c 44	N78-25530* #	US-PATENT-CLASS-428-259	c 33	N79-12331* #	US-PATENT-CLASS-428-447	c 74	N78-32854* #
US-PATENT-CLASS-427-386	c 24	N78-27180* #	US-PATENT-CLASS-428-260	c 27	N81-27272* #	US-PATENT-CLASS-428-447	c 27	N79-12221* #
US-PATENT-CLASS-427-387	c 74	N78-32854* #	US-PATENT-CLASS-428-260	c 27	N82-24339* #	US-PATENT-CLASS-428-447	c 27	N79-18052* #
US-PATENT-CLASS-427-387	c 24	N83-13171* #	US-PATENT-CLASS-428-260	c 27	N83-18908* #	US-PATENT-CLASS-428-447	c 24	N79-25142* #
US-PATENT-CLASS-427-387	c 24	N83-13172* #	US-PATENT-CLASS-428-263	c 27	N82-16238* #	US-PATENT-CLASS-428-447	c 27	N82-24339* #
US-PATENT-CLASS-427-388A	c 24	N78-27180* #	US-PATENT-CLASS-428-264	c 27	N82-16238* #	US-PATENT-CLASS-428-448	c 27	N82-24339* #
US-PATENT-CLASS-427-38	c 74	N78-32854* #	US-PATENT-CLASS-428-265	c 27	N82-16238* #	US-PATENT-CLASS-428-450	c 27	N76-16229* #
US-PATENT-CLASS-427-38	c 27	N80-24437* #	US-PATENT-CLASS-428-266	c 27	N82-24339* #	US-PATENT-CLASS-428-450	c 27	N76-22377* #
US-PATENT-CLASS-427-393 3	c 27	N82-16238* #	US-PATENT-CLASS-428-267	c 27	N82-16238* #	US-PATENT-CLASS-428-450	c 27	N76-23426* #
US-PATENT-CLASS-427-397 7	c 27	N82-33520* #	US-PATENT-CLASS-428-272	c 27	N82-16238* #	US-PATENT-CLASS-428-450	c 27	N79-12221* #
US-PATENT-CLASS-427-398A	c 44	N79-11472* #	US-PATENT-CLASS-428-280	c 27	N79-12221* #	US-PATENT-CLASS-428-450	c 26	N83-31795* #
US-PATENT-CLASS-427-399	c 44	N79-11472* #	US-PATENT-CLASS-428-282	c 24	N79-25142* #	US-PATENT-CLASS-428-450	c 27	N79-18052* #
US-PATENT-CLASS-427-400	c 27	N83-34039* #	US-PATENT-CLASS-428-283	c 24	N82-29362* #	US-PATENT-CLASS-428-457	c 27	N76-16229* #
US-PATENT-CLASS-427-402	c 27	N76-22377* #	US-PATENT-CLASS-428-283	c 27	N82-29456* #	US-PATENT-CLASS-428-457	c 24	N77-27188* #
US-PATENT-CLASS-427-402	c 27	N76-23426* #	US-PATENT-CLASS-428-284	c 24	N82-29362* #	US-PATENT-CLASS-428-457	c 24	N77-28225* #
US-PATENT-CLASS-427-405	c 34	N78-18355* #	US-PATENT-CLASS-428-285	c 27	N79-12221* #	US-PATENT-CLASS-428-457	c 26	N82-30371* #
US-PATENT-CLASS-427-405	c 27	N82-28441* #	US-PATENT-CLASS-428-286	c 27	N79-12221* #	US-PATENT-CLASS-428-458	c 24	N77-28225* #
US-PATENT-CLASS-427-405	c 27	N83-31855* #	US-PATENT-CLASS-428-286	c 24	N82-29362* #	US-PATENT-CLASS-428-458	c 24	N79-16915* #
US-PATENT-CLASS-427-407 1	c 27	N83-34039* #	US-PATENT-CLASS-428-287	c 24	N82-29362* #	US-PATENT-CLASS-428-461	c 34	N77-18382* #
US-PATENT-CLASS-427-40	c 27	N78-31233* #	US-PATENT-CLASS-428-288	c 24	N82-29362* #	US-PATENT-CLASS-428-462	c 27	N82-24340* #
US-PATENT-CLASS-427-40	c 27	N79-18052* #	US-PATENT-CLASS-428-289	c 27	N82-29456* #	US-PATENT-CLASS-428-466	c 27	N82-24340* #
US-PATENT-CLASS-427-40	c 27	N80-24437* #	US-PATENT-CLASS-428-290	c 24	N78-15180* #	US-PATENT-CLASS-428-469	c 27	N76-16229* #
US-PATENT-CLASS-427-419 2	c 26	N83-31795* #	US-PATENT-CLASS-428-290	c 24	N79-25142* #	US-PATENT-CLASS-428-469	c 26	N83-31795* #
US-PATENT-CLASS-427-419A	c 34	N78-18355* #	US-PATENT-CLASS-428-294	c 24	N78-17150* #	US-PATENT-CLASS-428-471	c 26	N81-25188* #
US-PATENT-CLASS-427-41	c 27	N78-31233* #	US-PATENT-CLASS-428-294	c 76	N83-34796* #	US-PATENT-CLASS-428-472	c 26	N82-30371* #
US-PATENT-CLASS-427-41	c 74	N78-32854* #	US-PATENT-CLASS-428-301	c 24	N77-27188* #	US-PATENT-CLASS-428-473 5	c 27	N81-14078* #
US-PATENT-CLASS-427-41	c 27	N79-14214* #	US-PATENT-CLASS-428-302	c 24	N78-17150* #	US-PATENT-CLASS-428-473 5	c 27	N81-29229* #
US-PATENT-CLASS-427-41	c 27	N79-18052* #	US-PATENT-CLASS-428-303	c 27	N76-15310* #	US-PATENT-CLASS-428-474	c 34	N77-18382* #
US-PATENT-CLASS-427-41	c 27	N80-23452* #	US-PATENT-CLASS-428-307 7	c 27	N82-29456* #	US-PATENT-CLASS-428-474	c 27	N79-33316* #
US-PATENT-CLASS-427-423	c 34	N78-18355* #	US-PATENT-CLASS-428-311 5	c 27	N82-29456* #	US-PATENT-CLASS-428-474	c 27	N80-24437* #
US-PATENT-CLASS-427-423	c 27	N82-29453* #	US-PATENT-CLASS-428-312 6	c 27	N82-29456* #	US-PATENT-CLASS-428-480	c 24	N81-14000* #
US-PATENT-CLASS-427-423	c 27	N83-31855* #	US-PATENT-CLASS-428-312 6	c 44	N83-34448* #	US-PATENT-CLASS-428-493	c 27	N82-24340* #
US-PATENT-CLASS-427-423	c 31	N83-35177* #	US-PATENT-CLASS-428-312	c 27	N78-32260* #	US-PATENT-CLASS-428-49	c 27	N82-24339* #
US-PATENT-CLASS-427-425	c 37	N82-24492* #	US-PATENT-CLASS-428-313	c 24	N78-27180* #	US-PATENT-CLASS-428-49	c 27	N82-29456* #
US-PATENT-CLASS-427-426	c 27	N76-15310* #	US-PATENT-CLASS-428-317 9	c 27	N82-29456* #	US-PATENT-CLASS-428-500	c 27	N80-32516* #
US-PATENT-CLASS-427-427	c 24	N78-24290* #	US-PATENT-CLASS-428-325	c 27	N82-32260* #	US-PATENT-CLASS-428-515	c 27	N78-31233* #
US-PATENT-CLASS-427-429	c 27	N81-14078* #	US-PATENT-CLASS-428-325	c 27	N82-29456* #	US-PATENT-CLASS-428-522	c 27	N78-14164* #
US-PATENT-CLASS-427-44	c 74	N78-32854* #	US-PATENT-CLASS-428-325	c 44	N83-34448* #	US-PATENT-CLASS-428-523	c 27	N78-31233* #
US-PATENT-CLASS-427-44	c 27	N80-32516* #	US-PATENT-CLASS-428-328	c 24	N77-27188* #	US-PATENT-CLASS-428-528	c 24	N81-13999* #
US-PATENT-CLASS-427-47	c 44	N77-32583* #	US-PATENT-CLASS-428-331	c 27	N78-32260* #	US-PATENT-CLASS-428-538	c 27	N76-22377* #
US-PATENT-CLASS-427-4	c 51	N77-27677* #	US-PATENT-CLASS-428-331	c 27	N83-18908* #	US-PATENT-CLASS-428-538	c 27	N76-23426* #
US-PATENT-CLASS-427-531	c 44	N82-28780* #	US-PATENT-CLASS-428-332	c 27	N76-22377* #	US-PATENT-CLASS-428-538	c 27	N78-31233* #
US-PATENT-CLASS-427-74	c 44	N82-28780* #	US-PATENT-CLASS-428-332	c 24	N76-23426* #	US-PATENT-CLASS-428-539	c 27	N76-16229* #
US-PATENT-CLASS-427-75	c 44	N78-25527* #	US-PATENT-CLASS-428-332	c 24	N78-27180* #	US-PATENT-CLASS-428-541	c 24	N81-13999* #
US-PATENT-CLASS-427-75	c 44	N79-11468* #	US-PATENT-CLASS-428-332	c 27	N79-12221* #	US-PATENT-CLASS-428-593	c 24	N82-24296* #
US-PATENT-CLASS-427-75	c 44	N79-11472* #	US-PATENT-CLASS-428-332	c 24	N79-25142* #	US-PATENT-CLASS-428-594	c 24	N82-24296* #
US-PATENT-CLASS-427-84	c 44	N79-11472* #	US-PATENT-CLASS-428-332	c 27	N82-24340* #	US-PATENT-CLASS-428-594	c 24	N82-32417* #
US-PATENT-CLASS-427-86	c 44	N76-28635* #	US-PATENT-CLASS-428-334	c 74	N78-15879* #	US-PATENT-CLASS-428-604	c 24	N82-24296* #
US-PATENT-CLASS-427-86	c 44	N78-24609* #	US-PATENT-CLASS-428-336	c 74	N78-15879* #	US-PATENT-CLASS-428-604	c 24	N82-32417* #

US-PATENT-CLASS-428-629	c 44	N80-16452* #	US-PATENT-CLASS-429-27	c 27	N81-24257* #	US-PATENT-CLASS-455-139	c 35	N82-15381* #
US-PATENT-CLASS-428-632	c 26	N81-25188* #	US-PATENT-CLASS-429-27	c 23	N81-29160* #	US-PATENT-CLASS-455-202	c 33	N82-29539* #
US-PATENT-CLASS-428-633	c 34	N78-18355* #	US-PATENT-CLASS-429-28	c 27	N81-24257* #	US-PATENT-CLASS-455-208	c 33	N82-29539* #
US-PATENT-CLASS-428-633	c 27	N83-31855* #	US-PATENT-CLASS-429-28	c 23	N81-29160* #	US-PATENT-CLASS-455-234	c 33	N82-29539* #
US-PATENT-CLASS-428-63	c 24	N83-13172* #	US-PATENT-CLASS-429-33	c 44	N79-17313* #	US-PATENT-CLASS-455-278	c 32	N81-29308* #
US-PATENT-CLASS-428-641	c 26	N83-31795* #	US-PATENT-CLASS-429-33	c 44	N82-29710* #	US-PATENT-CLASS-455-306	c 33	N82-29539* #
US-PATENT-CLASS-428-650	c 44	N80-16452* #	US-PATENT-CLASS-429-34	c 44	N77-14581* #	US-PATENT-CLASS-455-51	c 32	N81-14186* #
US-PATENT-CLASS-428-650	c 26	N83-31795* #	US-PATENT-CLASS-429-34	c 44	N83-27344* #	US-PATENT-CLASS-455-60	c 35	N82-15381* #
US-PATENT-CLASS-428-652	c 34	N78-18355* #	US-PATENT-CLASS-429-40	c 44	N82-29710* #	US-PATENT-CLASS-455-610	c 74	N82-19029* #
US-PATENT-CLASS-428-652	c 44	N78-19599* #	US-PATENT-CLASS-429-40	c 44	N83-27344* #	US-PATENT-CLASS-455-612	c 74	N82-19029* #
US-PATENT-CLASS-428-658	c 44	N80-16452* #	US-PATENT-CLASS-429-41	c 44	N79-10513* #	US-PATENT-CLASS-455-612	c 74	N83-29032* #
US-PATENT-CLASS-428-667	c 34	N78-18355* #	US-PATENT-CLASS-429-42	c 44	N79-10513* #	US-PATENT-CLASS-455-615	c 74	N82-19029* #
US-PATENT-CLASS-428-667	c 44	N78-19599* #	US-PATENT-CLASS-429-94	c 44	N81-24521* #	US-PATENT-CLASS-455-617	c 74	N82-19029* #
US-PATENT-CLASS-428-675	c 44	N80-16452* #	US-PATENT-CLASS-430-17	c 35	N82-11432* #	US-PATENT-CLASS-455-619	c 32	N81-14186* #
US-PATENT-CLASS-428-678	c 26	N81-25188* #	US-PATENT-CLASS-430-271	c 27	N81-25209* #	US-PATENT-CLASS-455-71	c 32	N81-14186* #
US-PATENT-CLASS-428-678	c 27	N83-31855* #	US-PATENT-CLASS-430-325	c 27	N81-25209* #	US-PATENT-CLASS-467-28	c 39	N80-10507* #
US-PATENT-CLASS-428-679	c 44	N78-19599* #	US-PATENT-CLASS-430-329	c 27	N81-25209* #	US-PATENT-CLASS-47-1 2	c 51	N75-25503* #
US-PATENT-CLASS-428-679	c 26	N81-25188* #	US-PATENT-CLASS-430-330	c 27	N81-25209* #	US-PATENT-CLASS-47-1 4	c 31	N73-32750* #
US-PATENT-CLASS-428-680	c 44	N80-16452* #	US-PATENT-CLASS-430-372	c 35	N82-11432* #	US-PATENT-CLASS-47-17	c 31	N73-32750* #
US-PATENT-CLASS-428-680	c 26	N81-25188* #	US-PATENT-CLASS-431-10	c 34	N78-27357* #	US-PATENT-CLASS-47-26	c 37	N83-26078* #
US-PATENT-CLASS-428-680	c 26	N83-31795* #	US-PATENT-CLASS-431-10	c 25	N79-11151* #	US-PATENT-CLASS-47-39	c 51	N75-25503* #
US-PATENT-CLASS-428-71	c 24	N78-15180* #	US-PATENT-CLASS-431-116	c 44	N77-10636* #	US-PATENT-CLASS-47-58	c 51	N75-25503* #
US-PATENT-CLASS-428-73	c 24	N78-10214* #	US-PATENT-CLASS-431-11	c 44	N77-10636* #	US-PATENT-CLASS-47-58	c 51	N83-17045* #
US-PATENT-CLASS-428-73	c 24	N78-15180* #	US-PATENT-CLASS-431-158	c 25	N78-10224* #	US-PATENT-CLASS-47-205	c 37	N80-32717* #
US-PATENT-CLASS-428-73	c 24	N79-16915* #	US-PATENT-CLASS-431-162	c 44	N77-10636* #	US-PATENT-CLASS-48-DIG 8	c 28	N80-10374* #
US-PATENT-CLASS-428-77	c 27	N76-14264* #	US-PATENT-CLASS-431-163	c 44	N76-29704* #	US-PATENT-CLASS-48-10-3	c 28	N80-10374* #
US-PATENT-CLASS-428-77	c 27	N79-12221* #	US-PATENT-CLASS-431-170	c 44	N77-10636* #	US-PATENT-CLASS-48-102A	c 28	N80-10374* #
US-PATENT-CLASS-428-902	c 24	N77-27188* #	US-PATENT-CLASS-431-173	c 23	N73-30665* #	US-PATENT-CLASS-48-107	c 28	N80-10374* #
US-PATENT-CLASS-428-902	c 24	N78-10214* #	US-PATENT-CLASS-431-202	c 25	N74-33378* #	US-PATENT-CLASS-48-116	c 44	N76-18642* #
US-PATENT-CLASS-428-902	c 24	N78-17149* #	US-PATENT-CLASS-431-208	c 25	N79-11151* #	US-PATENT-CLASS-48-116	c 44	N77-10636* #
US-PATENT-CLASS-428-902	c 24	N81-14000* #	US-PATENT-CLASS-431-210	c 44	N76-29704* #	US-PATENT-CLASS-48-117	c 44	N76-18642* #
US-PATENT-CLASS-428-902	c 31	N81-25258* #	US-PATENT-CLASS-431-2	c 07	N81-29129* #	US-PATENT-CLASS-48-117	c 44	N77-10636* #
US-PATENT-CLASS-428-902	c 27	N81-27272* #	US-PATENT-CLASS-431-328	c 34	N78-27357* #	US-PATENT-CLASS-48-117	c 28	N80-10374* #
US-PATENT-CLASS-428-902	c 27	N83-18908* #	US-PATENT-CLASS-431-352	c 28	N71-28915* #	US-PATENT-CLASS-48-197R	c 44	N76-29704* #
US-PATENT-CLASS-428-902	c 24	N83-33950* #	US-PATENT-CLASS-431-352	c 25	N78-10224* #	US-PATENT-CLASS-48-197R	c 44	N77-10636* #
US-PATENT-CLASS-428-903	c 24	N83-33950* #	US-PATENT-CLASS-431-41	c 44	N77-10636* #	US-PATENT-CLASS-48-212	c 44	N77-10636* #
US-PATENT-CLASS-428-911	c 27	N76-16230* #	US-PATENT-CLASS-431-4	c 44	N76-29704* #	US-PATENT-CLASS-48-215	c 44	N76-29700* #
US-PATENT-CLASS-428-911	c 24	N77-27188* #	US-PATENT-CLASS-431-7	c 34	N78-27357* #	US-PATENT-CLASS-48-61	c 44	N77-10636* #
US-PATENT-CLASS-428-913	c 34	N78-25350* #	US-PATENT-CLASS-431-9	c 23	N73-30665* #	US-PATENT-CLASS-48-61	c 28	N80-10374* #
US-PATENT-CLASS-428-913	c 27	N83-18908* #	US-PATENT-CLASS-432-223	c 25	N79-11151* #	US-PATENT-CLASS-48-63	c 44	N76-18642* #
US-PATENT-CLASS-428-920	c 27	N76-16230* #	US-PATENT-CLASS-432-227	c 35	N83-24828* #	US-PATENT-CLASS-48-75	c 44	N76-18642* #
US-PATENT-CLASS-428-920	c 27	N76-22377* #	US-PATENT-CLASS-432-264	c 33	N81-19399* #	US-PATENT-CLASS-48-89	c 44	N82-16475* #
US-PATENT-CLASS-428-920	c 27	N76-23426* #	US-PATENT-CLASS-432-29	c 25	N79-11151* #	US-PATENT-CLASS-48-95	c 44	N76-18642* #
US-PATENT-CLASS-428-920	c 24	N78-15180* #	US-PATENT-CLASS-432-58	c 35	N83-24828* #	US-PATENT-CLASS-48-95	c 44	N76-29700* #
US-PATENT-CLASS-428-920	c 27	N78-32260* #	US-PATENT-CLASS-433-118	c 52	N82-29862* #	US-PATENT-CLASS-48-99	c 44	N82-16475* #
US-PATENT-CLASS-428-920	c 27	N79-12221* #	US-PATENT-CLASS-433-125	c 52	N82-29862* #	US-PATENT-CLASS-49-DIG 1	c 34	N78-25350* #
US-PATENT-CLASS-428-920	c 24	N79-25142* #	US-PATENT-CLASS-433-86	c 52	N82-29862* #	US-PATENT-CLASS-49-171	c 31	N81-19343* #
US-PATENT-CLASS-428-920	c 15	N79-26100* #	US-PATENT-CLASS-434-38	c 36	N83-34304* #	US-PATENT-CLASS-49-479	c 34	N78-25350* #
US-PATENT-CLASS-428-920	c 27	N81-27272* #	US-PATENT-CLASS-434-403	c 31	N83-34073* #	US-PATENT-CLASS-49-485	c 34	N78-25350* #
US-PATENT-CLASS-428-920	c 27	N83-18908* #	US-PATENT-CLASS-434-42	c 09	N82-24212* #	US-PATENT-CLASS-49-68	c 18	N74-22136* #
US-PATENT-CLASS-428-921	c 27	N76-16230* #	US-PATENT-CLASS-434-43	c 09	N82-24212* #	US-PATENT-CLASS-5-345	c 05	N70-32825* #
US-PATENT-CLASS-428-921	c 24	N78-27180* #	US-PATENT-CLASS-434-4	c 36	N83-34304* #	US-PATENT-CLASS-5-69	c 05	N72-11085* #
US-PATENT-CLASS-428-921	c 24	N81-13999* #	US-PATENT-CLASS-434-59	c 54	N81-27806* #	US-PATENT-CLASS-5-82	c 05	N71-23159* #
US-PATENT-CLASS-428-922	c 27	N78-14164* #	US-PATENT-CLASS-434-88	c 31	N83-34073* #	US-PATENT-CLASS-51-170	c 15	N71-26134* #
US-PATENT-CLASS-428-938	c 27	N82-28441* #	US-PATENT-CLASS-435-289	c 51	N80-27067* #	US-PATENT-CLASS-51-216	c 15	N72-20444* #
US-PATENT-CLASS-428-93	c 34	N78-25350* #	US-PATENT-CLASS-435-289	c 51	N83-27569* #	US-PATENT-CLASS-51-225	c 37	N74-27905* #
US-PATENT-CLASS-428-941	c 27	N82-28441* #	US-PATENT-CLASS-435-290	c 51	N80-27067* #	US-PATENT-CLASS-51-234	c 37	N74-27905* #
US-PATENT-CLASS-428-94	c 34	N78-25350* #	US-PATENT-CLASS-435-291	c 51	N80-27067* #	US-PATENT-CLASS-51-235	c 37	N78-17383* #
US-PATENT-CLASS-428-95	c 34	N78-25350* #	US-PATENT-CLASS-435-291	c 51	N81-28698* #	US-PATENT-CLASS-51-235	c 76	N80-18951* #
US-PATENT-CLASS-428-96	c 34	N78-25350* #	US-PATENT-CLASS-435-291	c 35	N82-28604* #	US-PATENT-CLASS-51-277	c 74	N80-24149* #
US-PATENT-CLASS-428-97	c 34	N78-25350* #	US-PATENT-CLASS-435-291	c 51	N83-27569* #	US-PATENT-CLASS-51-283R	c 74	N80-24149* #
US-PATENT-CLASS-429-101	c 44	N79-17313* #	US-PATENT-CLASS-435-311	c 51	N80-27067* #	US-PATENT-CLASS-51-283	c 46	N74-23069* #
US-PATENT-CLASS-429-101	c 44	N79-26474* #	US-PATENT-CLASS-435-316	c 51	N80-27067* #	US-PATENT-CLASS-51-320	c 15	N72-20444* #
US-PATENT-CLASS-429-101	c 33	N80-20487* #	US-PATENT-CLASS-435-32	c 51	N80-27067* #	US-PATENT-CLASS-51-323	c 15	N72-20444* #
US-PATENT-CLASS-429-105	c 44	N77-22606* #	US-PATENT-CLASS-435-34	c 51	N80-16714* #	US-PATENT-CLASS-51-57	c 15	N71-22705* #
US-PATENT-CLASS-429-105	c 33	N80-20487* #	US-PATENT-CLASS-435-34	c 51	N80-27067* #	US-PATENT-CLASS-51-97R	c 37	N74-27905* #
US-PATENT-CLASS-429-105	c 44	N83-27344* #	US-PATENT-CLASS-435-34	c 51	N81-28698* #	US-PATENT-CLASS-52-DIG 10	c 18	N72-25541* #
US-PATENT-CLASS-429-107	c 44	N77-22606* #	US-PATENT-CLASS-435-34	c 35	N82-28604* #	US-PATENT-CLASS-52-108	c 18	N72-25541* #
US-PATENT-CLASS-429-107	c 33	N80-20487* #	US-PATENT-CLASS-435-34	c 51	N83-27569* #	US-PATENT-CLASS-52-108	c 15	N72-18477* #
US-PATENT-CLASS-429-107	c 44	N83-27344* #	US-PATENT-CLASS-435-34	c 51	N83-28849* #	US-PATENT-CLASS-52-108	c 31	N81-27323* #
US-PATENT-CLASS-429-109	c 33	N80-20487* #	US-PATENT-CLASS-435-38	c 51	N80-27067* #	US-PATENT-CLASS-52-109	c 31	N73-32749* #
US-PATENT-CLASS-429-109	c 44	N83-27344* #	US-PATENT-CLASS-435-38	c 51	N83-27569* #	US-PATENT-CLASS-52-111	c 31	N81-27324* #
US-PATENT-CLASS-429-120	c 44	N81-24521* #	US-PATENT-CLASS-435-38	c 51	N83-28849* #	US-PATENT-CLASS-52-117	c 44	N77-32582* #
US-PATENT-CLASS-429-139	c 27	N80-32516* #	US-PATENT-CLASS-435-39	c 51	N80-27067* #	US-PATENT-CLASS-52-127	c 15	N71-21531* #
US-PATENT-CLASS-429-139	c 27	N81-24257* #	US-PATENT-CLASS-435-39	c 35	N82-28604* #	US-PATENT-CLASS-52-169	c 15	N72-25454* #
US-PATENT-CLASS-429-13	c 44	N79-10513* #	US-PATENT-CLASS-435-39	c 51	N83-27569* #	US-PATENT-CLASS-52-171	c 11	N73-12265* #
US-PATENT-CLASS-429-144	c 44	N82-29708* #	US-PATENT-CLASS-435-39	c 51	N83-28849* #	US-PATENT-CLASS-52-173R	c 44	N77-31601* #
US-PATENT-CLASS-429-144	c 44	N83-32176* #	US-PATENT-CLASS-435-3	c 51	N80-27067* #	US-PATENT-CLASS-52-173	c 15	N72-25454* #
US-PATENT-CLASS-429-15	c 44	N79-26474* #	US-PATENT-CLASS-435-3	c 51	N83-27569* #	US-PATENT-CLASS-52-1	c 15	N72-28496* #
US-PATENT-CLASS-429-160	c 44	N81-24521* #	US-PATENT-CLASS-435-3	c 51	N83-28849* #	US-PATENT-CLASS-52-232	c 37	N81-14317* #
US-PATENT-CLASS-429-164	c 44	N81-24521* #	US-PATENT-CLASS-435-5	c 51	N81-28698* #	US-PATENT-CLASS-52-236	c 39	N76-31562* #
US-PATENT-CLASS-429-190	c 44	N77-22606* #	US-PATENT-CLASS-435-807	c 51	N83-28849* #	US-PATENT-CLASS-52-249	c 33	N71-25351* #
US-PATENT-CLASS-429-193	c 44	N82-29710* #	US-PATENT-CLASS-435-8	c 51	N83-27569* #	US-PATENT-CLASS-52-272	c 31	N71-24035* #
US-PATENT-CLASS-429-206	c 25	N83-13188* #	US-PATENT-CLASS-44-1R	c 44	N78-31527* #	US-PATENT-CLASS-52-284	c 32	N73-13921* #
US-PATENT-CLASS-429-23	c 44	N77-14581* #	US-PATENT-CLASS-44-1R	c 25	N81-33246* #	US-PATENT-CLASS-52-2	c 32	N71-21045* #
US-PATENT-CLASS-429-249	c 27	N81-24257* #	US-PATENT-CLASS-44-1SR	c 25	N82-29371* #	US-PATENT-CLASS-52-2	c 44	N77-32583* #
US-PATENT-CLASS-429-249	c 23	N81-29160* #	US-PATENT-CLASS-44-1SR	c 25	N83-31743* #	US-PATENT-CLASS-52-309 1	c 31	N81-25258* #
US-PATENT-CLASS-429-251	c 44	N82-29708* #	US-PATENT-CLASS-44-2	c 44	N78-31527* #	US-PATENT-CLASS-52-3	c 31	N71-16080* #
US-PATENT-CLASS-429-251	c 44	N83-32176* #	US-PATENT-CLASS-44-2	c 25	N81-33246* #	US-PATENT-CLASS-52-404	c 33	N71-25351* #
US-PATENT-CLASS-429-253	c 44	N79-25481* #	US-PATENT-CLASS-44-50	c 27	N81-17261* #	US-PATENT-CLASS-52-51	c 44	N77-31601* #
US-PATENT-CLASS-429-253	c 27	N81-24257* #	US-PATENT-CLASS-44-51	c 25	N79-11152* #	US-PATENT-CLASS-52-573	c 15	N72-28496* #
US-PATENT-CLASS-429-253	c 23	N81-29160* #	US-PATENT-CLASS-44-62	c 27	N81-17261* #	US-PATENT-CLASS-52-594	c 15	N72-25454* #
US-PATENT-CLASS-429-253	c 25	N83-13188* #	US-PATENT-CLASS-44-77	c 28	N81-14103* #	US-PATENT-CLASS-52-594	c 32	N73-13921* #
US-PATENT-CLASS-429-254	c 44	N78-25530* #	US-PATENT-CLASS-44-77	c 06	N71-23499* #	US-PATENT-CLASS-52-632	c 31	N81-27324* #
US-PATENT-CLASS-429-254	c 44	N82-29708* #	US-PATENT-CLASS-455-102	c 33				

REPORT NUMBER INDEX

US-PATENT-CLASS-60-211

US-PATENT-CLASS-52-646	c 31	N73-32749* #	US-PATENT-CLASS-528-207	c 27	N80-16158* #	US-PATENT-CLASS-55-15	c 71	N83-35781* #
US-PATENT-CLASS-52-648	c 11	N72-25287* #	US-PATENT-CLASS-528-207	c 27	N82-11206* #	US-PATENT-CLASS-55-160	c 15	N71-15968* #
US-PATENT-CLASS-52-648	c 39	N76-31562* #	US-PATENT-CLASS-528-208	c 27	N80-16158* #	US-PATENT-CLASS-55-16	c 06	N72-31140* #
US-PATENT-CLASS-52-648	c 31	N81-25258* #	US-PATENT-CLASS-528-208	c 27	N82-11206* #	US-PATENT-CLASS-55-179	c 14	N71-17588* #
US-PATENT-CLASS-52-64	c 31	N73-32749* #	US-PATENT-CLASS-528-210	c 27	N82-11206* #	US-PATENT-CLASS-55-179	c 54	N77-32722* #
US-PATENT-CLASS-52-651	c 39	N76-31562* #	US-PATENT-CLASS-528-211	c 27	N82-11206* #	US-PATENT-CLASS-55-194	c 35	N83-29652* #
US-PATENT-CLASS-52-655	c 11	N72-25287* #	US-PATENT-CLASS-528-220	c 27	N83-34040* #	US-PATENT-CLASS-55-197	c 23	N77-17161* #
US-PATENT-CLASS-52-705	c 37	N76-19437* #	US-PATENT-CLASS-528-221	c 27	N79-28307* #	US-PATENT-CLASS-55-199	c 34	N74-30608* #
US-PATENT-CLASS-52-71	c 18	N75-27040* #	US-PATENT-CLASS-528-222	c 27	N81-29229* #	US-PATENT-CLASS-55-202	c 35	N83-29652* #
US-PATENT-CLASS-52-726	c 39	N76-31562* #	US-PATENT-CLASS-528-222	c 27	N83-34040* #	US-PATENT-CLASS-55-204	c 15	N71-23023* #
US-PATENT-CLASS-52-726	c 31	N81-25258* #	US-PATENT-CLASS-528-222	c 27	N83-34041* #	US-PATENT-CLASS-55-204	c 44	N83-10501* #
US-PATENT-CLASS-52-743	c 37	N81-14317* #	US-PATENT-CLASS-528-223	c 27	N79-28307* #	US-PATENT-CLASS-55-208	c 14	N71-18483* #
US-PATENT-CLASS-52-745	c 39	N76-31562* #	US-PATENT-CLASS-528-225	c 27	N79-28307* #	US-PATENT-CLASS-55-241	c 35	N79-17192* #
US-PATENT-CLASS-52-745	c 31	N81-27323* #	US-PATENT-CLASS-528-225	c 27	N82-11206* #	US-PATENT-CLASS-55-242	c 35	N79-17192* #
US-PATENT-CLASS-52-749	c 39	N76-31562* #	US-PATENT-CLASS-528-226	c 27	N83-34041* #	US-PATENT-CLASS-55-26-9	c 35	N78-12390* #
US-PATENT-CLASS-52-758F	c 37	N76-19437* #	US-PATENT-CLASS-528-227	c 27	N79-28307* #	US-PATENT-CLASS-55-261	c 35	N76-18401* #
US-PATENT-CLASS-52-80	c 18	N72-25540* #	US-PATENT-CLASS-528-228	c 27	N81-27272* #	US-PATENT-CLASS-55-269	c 54	N77-32722* #
US-PATENT-CLASS-52-80	c 18	N72-25541* #	US-PATENT-CLASS-528-228	c 27	N82-11206* #	US-PATENT-CLASS-55-277	c 71	N83-35781* #
US-PATENT-CLASS-52-80	c 31	N73-32749* #	US-PATENT-CLASS-528-228	c 27	N83-34040* #	US-PATENT-CLASS-55-2	c 25	N78-25148* #
US-PATENT-CLASS-52-81	c 37	N82-32732* #	US-PATENT-CLASS-528-229	c 27	N79-28307* #	US-PATENT-CLASS-55-2	c 28	N81-14103* #
US-PATENT-CLASS-521-124	c 25	N80-16116* #	US-PATENT-CLASS-528-229	c 27	N79-33316* #	US-PATENT-CLASS-55-306	c 28	N70-34788* #
US-PATENT-CLASS-521-125	c 25	N80-16116* #	US-PATENT-CLASS-528-229	c 27	N81-29229* #	US-PATENT-CLASS-55-35	c 05	N70-41297* #
US-PATENT-CLASS-521-127	c 25	N80-16116* #	US-PATENT-CLASS-528-229	c 27	N83-34040* #	US-PATENT-CLASS-55-360	c 35	N79-17192* #
US-PATENT-CLASS-521-146	c 25	N80-23383* #	US-PATENT-CLASS-528-310	c 27	N81-17262* #	US-PATENT-CLASS-55-386	c 35	N75-26334* #
US-PATENT-CLASS-521-157	c 25	N80-16116* #	US-PATENT-CLASS-528-310	c 27	N81-24256* #	US-PATENT-CLASS-55-38	c 71	N83-35781* #
US-PATENT-CLASS-521-27	c 27	N81-14076* #	US-PATENT-CLASS-528-310	c 27	N82-24338* #	US-PATENT-CLASS-55-3	c 35	N78-12390* #
US-PATENT-CLASS-521-32	c 27	N81-14076* #	US-PATENT-CLASS-528-322	c 27	N81-17260* #	US-PATENT-CLASS-55-400	c 11	N71-10777* #
US-PATENT-CLASS-521-55	c 25	N80-23383* #	US-PATENT-CLASS-528-328	c 27	N82-24338* #	US-PATENT-CLASS-55-407	c 35	N79-17192* #
US-PATENT-CLASS-521-62	c 27	N81-14076* #	US-PATENT-CLASS-528-331	c 27	N79-28307* #	US-PATENT-CLASS-55-408	c 15	N70-40062* #
US-PATENT-CLASS-521-918	c 25	N80-23383* #	US-PATENT-CLASS-528-336	c 27	N79-28307* #	US-PATENT-CLASS-55-418	c 15	N71-22721* #
US-PATENT-CLASS-523-205	c 27	N83-19900* #	US-PATENT-CLASS-528-337	c 27	N79-28307* #	US-PATENT-CLASS-55-43	c 34	N74-30608* #
US-PATENT-CLASS-523-440	c 27	N83-34043* #	US-PATENT-CLASS-528-338	c 27	N79-28307* #	US-PATENT-CLASS-55-446	c 15	N72-22489* #
US-PATENT-CLASS-523-443	c 27	N83-34043* #	US-PATENT-CLASS-528-342	c 27	N79-28307* #	US-PATENT-CLASS-55-464	c 15	N72-22489* #
US-PATENT-CLASS-524-104	c 27	N83-28240* #	US-PATENT-CLASS-528-351	c 27	N82-11206* #	US-PATENT-CLASS-55-493	c 14	N72-23457* #
US-PATENT-CLASS-524-173	c 27	N83-28240* #	US-PATENT-CLASS-528-353	c 27	N81-19296* #	US-PATENT-CLASS-55-498	c 14	N72-23457* #
US-PATENT-CLASS-524-233	c 27	N83-28240* #	US-PATENT-CLASS-528-353	c 27	N82-11206* #	US-PATENT-CLASS-55-502	c 14	N72-23457* #
US-PATENT-CLASS-524-436	c 27	N83-19900* #	US-PATENT-CLASS-528-362	c 25	N81-14016* #	US-PATENT-CLASS-55-510	c 25	N74-12813* #
US-PATENT-CLASS-524-437	c 27	N83-19900* #	US-PATENT-CLASS-528-362	c 27	N81-17259* #	US-PATENT-CLASS-55-518	c 25	N74-12813* #
US-PATENT-CLASS-524-503	c 27	N83-19900* #	US-PATENT-CLASS-528-362	c 27	N81-17262* #	US-PATENT-CLASS-55-521	c 14	N72-23457* #
US-PATENT-CLASS-524-564	c 27	N83-19900* #	US-PATENT-CLASS-528-362	c 27	N82-24338* #	US-PATENT-CLASS-55-523	c 34	N76-27515* #
US-PATENT-CLASS-524-726	c 27	N83-28240* #	US-PATENT-CLASS-528-368	c 27	N83-34040* #	US-PATENT-CLASS-55-526	c 34	N76-27515* #
US-PATENT-CLASS-524-786	c 27	N83-19900* #	US-PATENT-CLASS-528-399	c 27	N81-27271* #	US-PATENT-CLASS-55-52	c 71	N83-35781* #
US-PATENT-CLASS-525-181	c 27	N83-28240* #	US-PATENT-CLASS-528-399	c 27	N82-18389* #	US-PATENT-CLASS-55-55	c 06	N72-31140* #
US-PATENT-CLASS-525-183	c 27	N83-28240* #	US-PATENT-CLASS-528-401	c 27	N79-22300* #	US-PATENT-CLASS-55-66	c 25	N80-23383* #
US-PATENT-CLASS-525-184	c 27	N83-28240* #	US-PATENT-CLASS-528-401	c 25	N81-14016* #	US-PATENT-CLASS-55-67	c 23	N77-17161* #
US-PATENT-CLASS-525-326	c 27	N80-24438* #	US-PATENT-CLASS-528-401	c 27	N81-17259* #	US-PATENT-CLASS-55-67	c 25	N80-23383* #
US-PATENT-CLASS-525-336	c 27	N80-24438* #	US-PATENT-CLASS-528-401	c 27	N81-17262* #	US-PATENT-CLASS-55-68	c 25	N80-23383* #
US-PATENT-CLASS-525-340	c 27	N80-24438* #	US-PATENT-CLASS-528-401	c 27	N82-24338* #	US-PATENT-CLASS-55-72	c 25	N80-23383* #
US-PATENT-CLASS-525-374	c 27	N80-24438* #	US-PATENT-CLASS-528-401	c 23	N82-28353* #	US-PATENT-CLASS-55-73	c 45	N79-12584* #
US-PATENT-CLASS-525-375	c 27	N80-24438* #	US-PATENT-CLASS-528-402	c 25	N82-24312* #	US-PATENT-CLASS-55-74	c 23	N77-17161* #
US-PATENT-CLASS-525-384	c 28	N81-15119* #	US-PATENT-CLASS-528-422	c 27	N79-22300* #	US-PATENT-CLASS-55-75	c 15	N71-26185* #
US-PATENT-CLASS-525-426	c 27	N80-26446* #	US-PATENT-CLASS-528-422	c 25	N81-14016* #	US-PATENT-CLASS-564-229	c 27	N81-24256* #
US-PATENT-CLASS-525-474	c 27	N83-28240* #	US-PATENT-CLASS-528-422	c 27	N81-17259* #	US-PATENT-CLASS-564-229	c 23	N82-28353* #
US-PATENT-CLASS-525-4	c 25	N80-23383* #	US-PATENT-CLASS-528-422	c 27	N81-17262* #	US-PATENT-CLASS-568-2	c 27	N82-18389* #
US-PATENT-CLASS-525-56	c 23	N81-29160* #	US-PATENT-CLASS-528-422	c 27	N82-24338* #	US-PATENT-CLASS-568-445	c 23	N82-16174* #
US-PATENT-CLASS-525-61	c 27	N81-24257* #	US-PATENT-CLASS-528-422	c 23	N82-28353* #	US-PATENT-CLASS-568-497	c 23	N82-16174* #
US-PATENT-CLASS-525-61	c 23	N81-29160* #	US-PATENT-CLASS-528-423	c 27	N81-17259* #	US-PATENT-CLASS-568-4	c 27	N82-18389* #
US-PATENT-CLASS-525-61	c 25	N83-13188* #	US-PATENT-CLASS-528-481	c 27	N80-24438* #	US-PATENT-CLASS-568-5	c 27	N82-18389* #
US-PATENT-CLASS-526-13	c 27	N78-32256* #	US-PATENT-CLASS-528-4	c 27	N81-27271* #	US-PATENT-CLASS-568-852	c 27	N80-32514* #
US-PATENT-CLASS-526-193	c 27	N78-15276* #	US-PATENT-CLASS-528-4	c 27	N82-18389* #	US-PATENT-CLASS-568-861	c 27	N80-32514* #
US-PATENT-CLASS-526-1	c 27	N76-24405* #	US-PATENT-CLASS-528-6	c 27	N81-27271* #	US-PATENT-CLASS-57-906	c 37	N82-18601* #
US-PATENT-CLASS-526-201	c 25	N81-19242* #	US-PATENT-CLASS-528-6	c 27	N82-18389* #	US-PATENT-CLASS-570-123	c 25	N82-24312* #
US-PATENT-CLASS-526-225	c 27	N78-15276* #	US-PATENT-CLASS-528-73	c 25	N80-16116* #	US-PATENT-CLASS-570-129	c 25	N82-24312* #
US-PATENT-CLASS-526-23	c 27	N78-32256* #	US-PATENT-CLASS-528-7	c 27	N82-18389* #	US-PATENT-CLASS-58-24	c 10	N71-26326* #
US-PATENT-CLASS-526-255	c 27	N76-24405* #	US-PATENT-CLASS-53-102	c 15	N71-21528* #	US-PATENT-CLASS-60-39 08	c 37	N79-11403* #
US-PATENT-CLASS-526-259	c 27	N83-34040* #	US-PATENT-CLASS-53-112A	c 15	N73-27405* #	US-PATENT-CLASS-60-108	c 33	N71-16104* #
US-PATENT-CLASS-526-261	c 27	N80-24438* #	US-PATENT-CLASS-53-22A	c 15	N73-27405* #	US-PATENT-CLASS-60-1	c 15	N72-33477* #
US-PATENT-CLASS-526-262	c 27	N81-27272* #	US-PATENT-CLASS-53-22	c 15	N71-23256* #	US-PATENT-CLASS-60-1	c 15	N73-13467* #
US-PATENT-CLASS-526-275	c 27	N78-32256* #	US-PATENT-CLASS-53-429	c 09	N82-29330* #	US-PATENT-CLASS-60-200A	c 33	N72-25911* #
US-PATENT-CLASS-526-275	c 27	N80-24438* #	US-PATENT-CLASS-53-9	c 37	N77-23482* #	US-PATENT-CLASS-60-200A	c 33	N73-25952* #
US-PATENT-CLASS-526-276	c 27	N78-32256* #	US-PATENT-CLASS-536-105	c 27	N77-30236* #	US-PATENT-CLASS-60-200A	c 27	N78-17206* #
US-PATENT-CLASS-526-276	c 27	N80-24438* #	US-PATENT-CLASS-536-56	c 27	N77-30236* #	US-PATENT-CLASS-60-200R	c 20	N82-18314* #
US-PATENT-CLASS-526-278	c 27	N78-32256* #	US-PATENT-CLASS-536-58	c 27	N77-30236* #	US-PATENT-CLASS-60-200	c 28	N71-14044* #
US-PATENT-CLASS-526-278	c 27	N80-24438* #	US-PATENT-CLASS-536-58	c 27	N77-30236* #	US-PATENT-CLASS-60-202	c 28	N70-41922* #
US-PATENT-CLASS-526-27	c 27	N78-32256* #	US-PATENT-CLASS-536-84	c 27	N77-30236* #	US-PATENT-CLASS-60-202	c 28	N71-10574* #
US-PATENT-CLASS-526-285	c 27	N83-34040* #	US-PATENT-CLASS-538-117	c 27	N81-17260* #	US-PATENT-CLASS-60-202	c 25	N71-21694* #
US-PATENT-CLASS-526-49	c 27	N78-32256* #	US-PATENT-CLASS-544-193	c 27	N78-15276* #	US-PATENT-CLASS-60-202	c 28	N71-21822* #
US-PATENT-CLASS-526-50	c 27	N78-32256* #	US-PATENT-CLASS-544-193	c 27	N79-28307* #	US-PATENT-CLASS-60-202	c 28	N71-23081* #
US-PATENT-CLASS-526-7	c 44	N79-25481* #	US-PATENT-CLASS-544-195	c 27	N78-32256* #	US-PATENT-CLASS-60-202	c 28	N71-23293* #
US-PATENT-CLASS-526-88	c 25	N81-19242* #	US-PATENT-CLASS-547-131	c 23	N82-28353* #	US-PATENT-CLASS-60-202	c 28	N71-25213* #
US-PATENT-CLASS-526-914	c 28	N81-15119* #	US-PATENT-CLASS-548-413	c 27	N83-31854* #	US-PATENT-CLASS-60-202	c 28	N71-26173* #
US-PATENT-CLASS-526-9	c 44	N79-25481* #	US-PATENT-CLASS-548-415	c 27	N83-31854* #	US-PATENT-CLASS-60-202	c 28	N71-26642* #
US-PATENT-CLASS-528-118	c 27	N81-17260* #	US-PATENT-CLASS-55-DIG 35	c 54	N75-27761* #	US-PATENT-CLASS-60-202	c 28	N71-26781* #
US-PATENT-CLASS-528-125	c 27	N83-34040* #	US-PATENT-CLASS-55-100	c 35	N78-12390* #	US-PATENT-CLASS-60-202	c 28	N72-11709* #
US-PATENT-CLASS-528-126	c 27	N79-28307* #	US-PATENT-CLASS-55-100	c 25	N78-25148* #	US-PATENT-CLASS-60-202	c 28	N72-22770* #
US-PATENT-CLASS-528-126	c 27	N82-11206* #	US-PATENT-CLASS-55-101	c 25	N78-25148* #	US-PATENT-CLASS-60-202	c 28	N72-22771* #
US-PATENT-CLASS-528-126	c 27	N83-34040* #	US-PATENT-CLASS-55-118	c 35	N79-17192* #	US-PATENT-CLASS-60-202	c 28	N73-24783* #
US-PATENT-CLASS-528-127	c 27	N79-28307* #	US-PATENT-CLASS-55-122	c 35	N79-17192* #	US-PATENT-CLASS-60-202	c 25	N73-25760* #
US-PATENT-CLASS-528-128	c 27	N79-28307* #	US-PATENT-CLASS-55-127	c 35	N79-17192* #	US-PATENT-CLASS-60-202	c 28	N73-27699* #
US-PATENT-CLASS-528-128	c 27	N83-34040* #	US-PATENT-CLASS-55-15-8	c 52	N79-14749* #	US-PATENT-CLASS-60-202	c 20	N77-10148* #
US-PATENT-CLASS-528-12	c 27	N83-34040* #	US-PATENT-CLASS-55-155	c 35	N79-17192* #	US-PATENT-CLASS-60-202	c 20	N77-20162* #
US-PATENT-CLASS-528-168	c 27	N81-27271* #	US-PATENT-CLASS-55-158	c 18	N71-20742* #	US-PATENT-CLASS-60-203	c 20	N80-14188* #
US-PATENT-CLASS-528-168	c 27	N82-18389* #	US-PATENT-CLASS-55-158	c 44	N77-22607* #	US-PATENT-CLASS-60-204	c 07	N78-17055* #
US-PATENT-CLASS-528-172	c 27	N82-11206* #	US-PATENT-CLASS-55-158	c 25	N82-21269* #	US-PATENT-CLASS-60-204	c 07	N78-18067* #
US-PATENT-CLASS-528-173	c 27	N82-11206* #	US-PATENT-CLASS-55-159					

US-PATENT-CLASS-60-214

REPORT NUMBER INDEX

US-PATENT-CLASS-60-214	c 15	N74-27360* #	US-PATENT-CLASS-60-35 55	c 15	N71-28951*	US-PATENT-CLASS-60-525	c 37	N81-25370* #
US-PATENT-CLASS-60-215	c 06	N73-30097* #	US-PATENT-CLASS-60-35 5	c 28	N70-33356*	US-PATENT-CLASS-60-527	c 44	N74-33379* #
US-PATENT-CLASS-60-215	c 15	N74-27360* #	US-PATENT-CLASS-60-35 5	c 28	N70-34175* #	US-PATENT-CLASS-60-527	c 37	N77-12402* #
US-PATENT-CLASS-60-217	c 12	N71-17631*	US-PATENT-CLASS-60-35 5	c 28	N70-36802* #	US-PATENT-CLASS-60-527	c 37	N77-19458* #
US-PATENT-CLASS-60-225	c 28	N71-10780* #	US-PATENT-CLASS-60-35 5	c 21	N70-36938* #	US-PATENT-CLASS-60-527	c 37	N78-31426* #
US-PATENT-CLASS-60-226A	c 07	N77-17059* #	US-PATENT-CLASS-60-35 5	c 25	N70-36946* #	US-PATENT-CLASS-60-530	c 20	N75-24837* #
US-PATENT-CLASS-60-226A	c 07	N79-14096* #	US-PATENT-CLASS-60-35 5	c 28	N70-37245* #	US-PATENT-CLASS-60-53	c 37	N77-22479* #
US-PATENT-CLASS-60-226A	c 07	N79-14097* #	US-PATENT-CLASS-60-35 5	c 28	N70-37980* #	US-PATENT-CLASS-60-54 5	c 15	N71-10658* #
US-PATENT-CLASS-60-226A	c 07	N82-26293* #	US-PATENT-CLASS-60-35 5	c 28	N71-14043* #	US-PATENT-CLASS-60-560	c 35	N78-10428* #
US-PATENT-CLASS-60-226R	c 07	N78-18066* #	US-PATENT-CLASS-60-35 5	c 28	N71-15661* #	US-PATENT-CLASS-60-572	c 44	N79-18443* #
US-PATENT-CLASS-60-226R	c 07	N77-14025* #	US-PATENT-CLASS-60-35 60	c 28	N71-15659* #	US-PATENT-CLASS-60-574	c 35	N78-10428* #
US-PATENT-CLASS-60-226R	c 07	N77-28118* #	US-PATENT-CLASS-60-35 6	c 28	N70-33284* #	US-PATENT-CLASS-60-606	c 28	N80-10374* #
US-PATENT-CLASS-60-226R	c 07	N78-17055* #	US-PATENT-CLASS-60-35 6	c 28	N70-33374* #	US-PATENT-CLASS-60-632	c 20	N80-18097* #
US-PATENT-CLASS-60-226R	c 07	N78-17056* #	US-PATENT-CLASS-60-35 6	c 28	N70-33371* #	US-PATENT-CLASS-60-641 14	c 44	N82-24640* #
US-PATENT-CLASS-60-226R	c 07	N78-25089* #	US-PATENT-CLASS-60-35 6	c 28	N70-33375* #	US-PATENT-CLASS-60-641	c 44	N75-32581* #
US-PATENT-CLASS-60-226R	c 07	N79-14096* #	US-PATENT-CLASS-60-35 6	c 28	N70-34860* #	US-PATENT-CLASS-60-641	c 44	N77-32582* #
US-PATENT-CLASS-60-226R	c 07	N81-19116* #	US-PATENT-CLASS-60-35 6	c 28	N70-35381* #	US-PATENT-CLASS-60-641	c 44	N78-17460* #
US-PATENT-CLASS-60-228	c 07	N77-17059* #	US-PATENT-CLASS-60-35 6	c 27	N70-35534* #	US-PATENT-CLASS-60-641	c 44	N78-32542* #
US-PATENT-CLASS-60-230	c 07	N78-27121* #	US-PATENT-CLASS-60-35 6	c 15	N70-36535* #	US-PATENT-CLASS-60-641	c 44	N79-18443* #
US-PATENT-CLASS-60-236	c 07	N81-19116* #	US-PATENT-CLASS-60-35 6	c 28	N70-36806* #	US-PATENT-CLASS-60-641	c 44	N81-17518* #
US-PATENT-CLASS-60-238	c 07	N81-19116* #	US-PATENT-CLASS-60-35 6	c 28	N70-36910* #	US-PATENT-CLASS-60-645	c 34	N79-20335* #
US-PATENT-CLASS-60-239	c 07	N81-19116* #	US-PATENT-CLASS-60-35 6	c 28	N70-38249* #	US-PATENT-CLASS-60-649	c 34	N79-20335* #
US-PATENT-CLASS-60-23	c 09	N71-26182* #	US-PATENT-CLASS-60-35 6	c 28	N70-38504* #	US-PATENT-CLASS-60-659	c 44	N75-32581* #
US-PATENT-CLASS-60-23	c 15	N72-12409* #	US-PATENT-CLASS-60-35 6	c 28	N70-38505* #	US-PATENT-CLASS-60-659	c 44	N76-31667* #
US-PATENT-CLASS-60-23	c 21	N72-31637* #	US-PATENT-CLASS-60-35 6	c 28	N70-38710* #	US-PATENT-CLASS-60-721	c 44	N78-32542* #
US-PATENT-CLASS-60-23	c 15	N73-13467* #	US-PATENT-CLASS-60-35 6	c 28	N70-38899* #	US-PATENT-CLASS-60-721	c 71	N79-20827* #
US-PATENT-CLASS-60-240	c 28	N71-24736* #	US-PATENT-CLASS-60-35 6	c 33	N71-15623* #	US-PATENT-CLASS-60-721	c 71	N83-32515* #
US-PATENT-CLASS-60-240	c 28	N73-13773* #	US-PATENT-CLASS-60-35 6	c 27	N71-15634* #	US-PATENT-CLASS-60-721	c 71	N83-32516* #
US-PATENT-CLASS-60-240	c 07	N80-18039* #	US-PATENT-CLASS-60-35 6	c 31	N71-15637* #	US-PATENT-CLASS-60-726	c 07	N81-29129* #
US-PATENT-CLASS-60-243	c 33	N71-21507* #	US-PATENT-CLASS-60-35 6	c 31	N71-15647* #	US-PATENT-CLASS-60-726	c 07	N82-32366* #
US-PATENT-CLASS-60-243	c 15	N71-27432* #	US-PATENT-CLASS-60-35 6	c 28	N71-15660* #	US-PATENT-CLASS-60-730	c 05	N81-26114* #
US-PATENT-CLASS-60-243	c 28	N73-13773* #	US-PATENT-CLASS-60-35 6	c 14	N71-27186* #	US-PATENT-CLASS-60-733	c 07	N80-26298* #
US-PATENT-CLASS-60-243	c 20	N79-21124* #	US-PATENT-CLASS-60-36	c 15	N72-33477* #	US-PATENT-CLASS-60-737	c 07	N81-29129* #
US-PATENT-CLASS-60-251	c 28	N70-41311* #	US-PATENT-CLASS-60-37	c 15	N73-13467* #	US-PATENT-CLASS-60-746	c 07	N80-26298* #
US-PATENT-CLASS-60-251	c 27	N71-21819* #	US-PATENT-CLASS-60-39 03	c 07	N77-23106* #	US-PATENT-CLASS-60-836	c 24	N78-14096* #
US-PATENT-CLASS-60-254	c 28	N72-20758* #	US-PATENT-CLASS-60-39 03	c 07	N80-18039* #	US-PATENT-CLASS-60-97	c 03	N71-12260* #
US-PATENT-CLASS-60-254	c 28	N73-24784* #	US-PATENT-CLASS-60-39 06	c 07	N80-26298* #	US-PATENT-CLASS-60-114	c 52	N83-27577* #
US-PATENT-CLASS-60-256	c 28	N73-24784* #	US-PATENT-CLASS-60-39 06	c 07	N81-29129* #	US-PATENT-CLASS-60-151	c 52	N83-27577* #
US-PATENT-CLASS-60-257	c 31	N70-41948* #	US-PATENT-CLASS-60-39 07	c 44	N78-32539* #	US-PATENT-CLASS-60-280	c 52	N83-21785* #
US-PATENT-CLASS-60-258	c 15	N70-22192* #	US-PATENT-CLASS-60-39 07	c 07	N82-32366* #	US-PATENT-CLASS-60-8	c 52	N83-21785* #
US-PATENT-CLASS-60-258	c 28	N71-22983* #	US-PATENT-CLASS-60-39 07	c 07	N83-36029* #	US-PATENT-CLASS-61-83	c 18	N74-22136* #
US-PATENT-CLASS-60-258	c 28	N71-28849* #	US-PATENT-CLASS-60-39 14	c 44	N78-32539* #	US-PATENT-CLASS-62-DIG 5	c 05	N81-26114* #
US-PATENT-CLASS-60-258	c 28	N72-17843* #	US-PATENT-CLASS-60-39 14	c 07	N79-10057* #	US-PATENT-CLASS-62-100	c 34	N77-19353* #
US-PATENT-CLASS-60-258	c 15	N72-25455* #	US-PATENT-CLASS-60-39 23	c 20	N76-14190* #	US-PATENT-CLASS-62-100	c 28	N78-24365* #
US-PATENT-CLASS-60-258	c 20	N74-13502* #	US-PATENT-CLASS-60-39 24	c 07	N81-19115* #	US-PATENT-CLASS-62-121	c 34	N77-19353* #
US-PATENT-CLASS-60-259	c 28	N70-41275* #	US-PATENT-CLASS-60-39 27	c 07	N80-18039* #	US-PATENT-CLASS-62-129	c 31	N76-14284* #
US-PATENT-CLASS-60-259	c 20	N74-13502* #	US-PATENT-CLASS-60-39 28R	c 28	N73-19793* #	US-PATENT-CLASS-62-12	c 28	N81-14103* #
US-PATENT-CLASS-60-259	c 34	N77-30399* #	US-PATENT-CLASS-60-39 28R	c 07	N77-23106* #	US-PATENT-CLASS-62-148	c 44	N82-26776* #
US-PATENT-CLASS-60-259	c 20	N80-14188* #	US-PATENT-CLASS-60-39 28R	c 37	N78-10467* #	US-PATENT-CLASS-62-15	c 06	N70-34946* #
US-PATENT-CLASS-60-259	c 05	N81-26114* #	US-PATENT-CLASS-60-39 28R	c 37	N78-24545* #	US-PATENT-CLASS-62-176	c 05	N73-26071* #
US-PATENT-CLASS-60-25	c 15	N73-24513* #	US-PATENT-CLASS-60-39 28R	c 37	N79-11403* #	US-PATENT-CLASS-62-18	c 28	N81-14103* #
US-PATENT-CLASS-60-25	c 37	N74-21060* #	US-PATENT-CLASS-60-39 29	c 20	N76-14190* #	US-PATENT-CLASS-62-207	c 05	N73-26071* #
US-PATENT-CLASS-60-260	c 28	N70-41992* #	US-PATENT-CLASS-60-39 29	c 35	N76-14431* #	US-PATENT-CLASS-62-209	c 05	N73-26071* #
US-PATENT-CLASS-60-260	c 28	N72-18766* #	US-PATENT-CLASS-60-39 29	c 07	N82-32366* #	US-PATENT-CLASS-62-217	c 31	N77-10229* #
US-PATENT-CLASS-60-261	c 37	N78-17384* #	US-PATENT-CLASS-60-39 31	c 07	N78-18066* #	US-PATENT-CLASS-62-235 1	c 44	N82-26776* #
US-PATENT-CLASS-60-262	c 37	N78-17384* #	US-PATENT-CLASS-60-39 31	c 07	N79-14096* #	US-PATENT-CLASS-62-238 3	c 44	N82-26776* #
US-PATENT-CLASS-60-262	c 07	N78-18067* #	US-PATENT-CLASS-60-39 33	c 44	N78-20339* #	US-PATENT-CLASS-62-239	c 44	N82-26776* #
US-PATENT-CLASS-60-262	c 07	N83-33884* #	US-PATENT-CLASS-60-39 36	c 28	N71-20330* #	US-PATENT-CLASS-62-244	c 44	N82-26776* #
US-PATENT-CLASS-60-263	c 28	N71-24321* #	US-PATENT-CLASS-60-39 36	c 28	N71-28915* #	US-PATENT-CLASS-62-259	c 05	N73-20137* #
US-PATENT-CLASS-60-263	c 07	N77-28118* #	US-PATENT-CLASS-60-39 46M	c 20	N82-18314* #	US-PATENT-CLASS-62-259	c 05	N73-26071* #
US-PATENT-CLASS-60-264	c 07	N80-32392* #	US-PATENT-CLASS-60-39 46	c 27	N71-15635* #	US-PATENT-CLASS-62-259	c 54	N78-32721* #
US-PATENT-CLASS-60-265	c 28	N71-20942* #	US-PATENT-CLASS-60-39 47	c 15	N74-27360* #	US-PATENT-CLASS-62-268	c 14	N71-20427* #
US-PATENT-CLASS-60-265	c 33	N72-25911* #	US-PATENT-CLASS-60-39 47	c 27	N71-16392* #	US-PATENT-CLASS-62-268	c 34	N79-20336* #
US-PATENT-CLASS-60-265	c 33	N73-25952* #	US-PATENT-CLASS-60-39 48	c 28	N70-38199* #	US-PATENT-CLASS-62-269	c 34	N77-19353* #
US-PATENT-CLASS-60-265	c 20	N76-14191* #	US-PATENT-CLASS-60-39 48	c 28	N70-39931* #	US-PATENT-CLASS-62-285	c 77	N75-20139* #
US-PATENT-CLASS-60-266	c 33	N71-28852* #	US-PATENT-CLASS-60-39 48	c 27	N71-28929* #	US-PATENT-CLASS-62-288	c 77	N75-20139* #
US-PATENT-CLASS-60-266	c 28	N72-23810* #	US-PATENT-CLASS-60-39 51R	c 25	N78-10224* #	US-PATENT-CLASS-62-289	c 77	N75-20139* #
US-PATENT-CLASS-60-267	c 33	N71-29053* #	US-PATENT-CLASS-60-39 52	c 07	N78-25089* #	US-PATENT-CLASS-62-290	c 77	N75-20139* #
US-PATENT-CLASS-60-267	c 33	N72-25911* #	US-PATENT-CLASS-60-39 65	c 28	N71-28915* #	US-PATENT-CLASS-62-295	c 35	N83-32026* #
US-PATENT-CLASS-60-267	c 33	N73-25952* #	US-PATENT-CLASS-60-39 65	c 23	N73-30665* #	US-PATENT-CLASS-62-2	c 15	N71-15906* #
US-PATENT-CLASS-60-267	c 28	N73-32606* #	US-PATENT-CLASS-60-39 65	c 34	N78-27357* #	US-PATENT-CLASS-62-315	c 34	N77-19353* #
US-PATENT-CLASS-60-267	c 20	N76-14191* #	US-PATENT-CLASS-60-39 66	c 15	N70-36411* #	US-PATENT-CLASS-62-317	c 77	N75-20139* #
US-PATENT-CLASS-60-267	c 34	N79-13288* #	US-PATENT-CLASS-60-39 66	c 23	N73-30665* #	US-PATENT-CLASS-62-376	c 31	N78-17237* #
US-PATENT-CLASS-60-267	c 34	N79-13289* #	US-PATENT-CLASS-60-39 66	c 07	N77-23106* #	US-PATENT-CLASS-62-376	c 34	N79-20336* #
US-PATENT-CLASS-60-267	c 34	N80-24573* #	US-PATENT-CLASS-60-39 66	c 37	N78-10467* #	US-PATENT-CLASS-62-383	c 33	N82-24419* #
US-PATENT-CLASS-60-267	c 44	N81-24519* #	US-PATENT-CLASS-60-39 66	c 37	N79-11403* #	US-PATENT-CLASS-62-384	c 23	N71-24725* #
US-PATENT-CLASS-60-267	c 05	N81-26114* #	US-PATENT-CLASS-60-39 69R	c 34	N78-27357* #	US-PATENT-CLASS-62-3	c 20	N75-24837* #
US-PATENT-CLASS-60-269	c 07	N83-33884* #	US-PATENT-CLASS-60-39 72	c 23	N73-30665* #	US-PATENT-CLASS-62-3	c 34	N78-17335* #
US-PATENT-CLASS-60-26	c 21	N72-31637* #	US-PATENT-CLASS-60-39 74A	c 15	N72-25455* #	US-PATENT-CLASS-62-3	c 34	N83-29625* #
US-PATENT-CLASS-60-26	c 03	N73-20040* #	US-PATENT-CLASS-60-39 74R	c 23	N73-30665* #	US-PATENT-CLASS-62-40	c 15	N71-24044* #
US-PATENT-CLASS-60-271	c 28	N72-11708* #	US-PATENT-CLASS-60-39 74R	c 20	N76-14190* #	US-PATENT-CLASS-62-40	c 28	N81-14103* #
US-PATENT-CLASS-60-271	c 28	N72-23810* #	US-PATENT-CLASS-60-39 74	c 28	N70-33241* #	US-PATENT-CLASS-62-45	c 15	N70-33323* #
US-PATENT-CLASS-60-271	c 07	N78-17055* #	US-PATENT-CLASS-60-39 74	c 28	N72-17843* #	US-PATENT-CLASS-62-45	c 31	N70-41871* #
US-PATENT-CLASS-60-271	c 37	N78-17384* #	US-PATENT-CLASS-60-39 74	c 20	N79-21125* #	US-PATENT-CLASS-62-45	c 33	N71-25351* #
US-PATENT-CLASS-60-271	c 07	N83-33884* #	US-PATENT-CLASS-60-39 82E	c 20	N78-24275* #	US-PATENT-CLASS-62-45	c 33	N71-28892* #
US-PATENT-CLASS-60-291	c 31	N73-13898* #	US-PATENT-CLASS-60-39 48	c 28	N72-1709* #	US-PATENT-CLASS-62-45	c 15	N73-12486* #
US-PATENT-CLASS-60-300	c 28	N80-10374* #	US-PATENT-CLASS-60-508	c 44	N79-18443* #	US-PATENT-CLASS-62-45	c 35	N74-15093* #
US-PATENT-CLASS-60-316	c 34	N76-18364* #	US-PATENT-CLASS-60-516	c 20	N75-24837* #	US-PATENT-CLASS-62-467	c 33	N70-37979* #
US-PATENT-CLASS-60-35 3	c 28	N70-33265* #	US-PATENT-CLASS-60-516	c 44	N82-24640* #	US-PATENT-CLASS-62-467	c 33	N71-17897* #
US-PATENT-CLASS-60-35 3	c 28	N70-40367* #	US-PATENT-CLASS-60-517	c 44	N76-29701* #	US-PATENT-CLASS-62-467	c 05	N72-11084* #
US-PATENT-CLASS-60-35 54	c 28	N70-34294* #	US-PATENT-CLASS-60-517	c 37	N81-25370* #	US-PATENT-CLASS-62-467	c 33	N72-25911* #
US-PATENT-CLASS-60-35 54	c 28	N70-38645* #	US-PATENT-CLASS-60-518	c 37	N81-14318* #	US-PATENT-CLASS-62-467	c 33	N73-25952* #
US-PATENT-CLASS-60-35 54	c 28	N71-29153* #	US-PATENT-CLASS-60-518	c 37	N81-17432* #	US-PATENT-CLASS-62-467	c 20	N75-24837* #
US-PATENT-CLASS-60-35 55	c 28	N70-34162* #	US-PATENT-CLASS-60-51	c 15	N71-27754* #	US-PATENT-CLASS-62-475	c 23	N72-25619* #
US-PATENT-CLASS-60-35								

REPORT NUMBER INDEX

US-PATENT-CLASS-73-194E

US-PATENT-CLASS-62-48	c 28	N78-24365* #	US-PATENT-CLASS-72-53	c 15	N73-32360* #	US-PATENT-CLASS-73-147	c 09	N74-17955* #
US-PATENT-CLASS-62-48	c 31	N83-31897* #	US-PATENT-CLASS-72-54	c 37	N76-14461* #	US-PATENT-CLASS-73-147	c 34	N74-27730* #
US-PATENT-CLASS-62-49	c 31	N76-14284* #	US-PATENT-CLASS-72-56	c 15	N70-34249* #	US-PATENT-CLASS-73-147	c 09	N75-12969* #
US-PATENT-CLASS-62-4	c 44	N77-32581* #	US-PATENT-CLASS-72-56	c 15	N71-24833* #	US-PATENT-CLASS-73-147	c 09	N76-23273* #
US-PATENT-CLASS-62-4	c 44	N78-17460* #	US-PATENT-CLASS-72-56	c 15	N71-24865* #	US-PATENT-CLASS-73-147	c 34	N76-27517* #
US-PATENT-CLASS-62-50	c 15	N70-34247* #	US-PATENT-CLASS-72-56	c 15	N71-26148* #	US-PATENT-CLASS-73-147	c 09	N77-10071* #
US-PATENT-CLASS-62-50	c 35	N78-12390* #	US-PATENT-CLASS-72-60	c 15	N71-24836* #	US-PATENT-CLASS-73-147	c 09	N78-31129* #
US-PATENT-CLASS-62-514 R	c 35	N83-32026* #	US-PATENT-CLASS-72-61	c 15	N71-26346* #	US-PATENT-CLASS-73-147	c 35	N79-14347* #
US-PATENT-CLASS-62-514JT	c 31	N77-10229* #	US-PATENT-CLASS-72-63	c 20	N75-18310* #	US-PATENT-CLASS-73-147	c 09	N79-21083* #
US-PATENT-CLASS-62-514R	c 35	N78-12390* #	US-PATENT-CLASS-72-63	c 37	N76-14461* #	US-PATENT-CLASS-73-147	c 02	N80-20224* #
US-PATENT-CLASS-62-514R	c 31	N78-17237* #	US-PATENT-CLASS-72-83	c 15	N71-22723* #	US-PATENT-CLASS-73-147	c 06	N81-17057* #
US-PATENT-CLASS-62-514R	c 31	N78-25256* #	US-PATENT-CLASS-73-DIG 11	c 35	N78-18390* #	US-PATENT-CLASS-73-147	c 09	N82-11088* #
US-PATENT-CLASS-62-514R	c 51	N79-10694* #	US-PATENT-CLASS-73-1B	c 35	N76-24523* #	US-PATENT-CLASS-73-147	c 09	N82-23254* #
US-PATENT-CLASS-62-514R	c 31	N79-17029* #	US-PATENT-CLASS-73-1DV	c 14	N73-27379* #	US-PATENT-CLASS-73-147	c 71	N83-17235* #
US-PATENT-CLASS-62-514R	c 34	N79-20336* #	US-PATENT-CLASS-73-1F	c 35	N74-21019* #	US-PATENT-CLASS-73-147	c 44	N83-21503* #
US-PATENT-CLASS-62-514R	c 35	N81-14287* #	US-PATENT-CLASS-73-1R	c 14	N71-29134* #	US-PATENT-CLASS-73-147	c 44	N83-21504* #
US-PATENT-CLASS-62-514R	c 31	N83-31897* #	US-PATENT-CLASS-73-1R	c 35	N75-15932* #	US-PATENT-CLASS-73-147	c 74	N83-21949* #
US-PATENT-CLASS-62-514R	c 34	N83-34221* #	US-PATENT-CLASS-73-1R	c 35	N76-15432* #	US-PATENT-CLASS-73-149	c 14	N72-11363* #
US-PATENT-CLASS-62-514	c 23	N71-26654* #	US-PATENT-CLASS-73-100	c 15	N70-41993* #	US-PATENT-CLASS-73-149	c 52	N74-10975* #
US-PATENT-CLASS-62-51	c 15	N72-17453* #	US-PATENT-CLASS-73-100	c 32	N72-25877* #	US-PATENT-CLASS-73-15 4	c 14	N71-17659* #
US-PATENT-CLASS-62-55 5	c 11	N71-24964* #	US-PATENT-CLASS-73-103	c 15	N71-17696* #	US-PATENT-CLASS-73-15 4	c 35	N74-32879* #
US-PATENT-CLASS-62-55 5	c 15	N72-22484* #	US-PATENT-CLASS-73-103	c 14	N72-27412* #	US-PATENT-CLASS-73-15 6	c 14	N70-35368* #
US-PATENT-CLASS-62-55	c 15	N70-38020* #	US-PATENT-CLASS-73-103	c 14	N73-32323* #	US-PATENT-CLASS-73-15 6	c 14	N71-24234* #
US-PATENT-CLASS-62-55	c 34	N77-30399* #	US-PATENT-CLASS-73-103	c 35	N76-18400* #	US-PATENT-CLASS-73-15 6	c 14	N71-26136* #
US-PATENT-CLASS-62-56	c 05	N72-11084* #	US-PATENT-CLASS-73-104	c 35	N74-32879* #	US-PATENT-CLASS-73-15 6	c 32	N72-25877* #
US-PATENT-CLASS-62-62	c 34	N83-34221* #	US-PATENT-CLASS-73-105	c 14	N70-34161* #	US-PATENT-CLASS-73-15 6	c 09	N74-19528* #
US-PATENT-CLASS-62-6	c 15	N69-23190* #	US-PATENT-CLASS-73-105	c 14	N71-17586* #	US-PATENT-CLASS-73-15 6	c 35	N76-24523* #
US-PATENT-CLASS-62-6	c 23	N71-15467* #	US-PATENT-CLASS-73-115	c 35	N79-14345* #	US-PATENT-CLASS-73-15 6	c 35	N77-24500* #
US-PATENT-CLASS-62-6	c 15	N71-23025* #	US-PATENT-CLASS-73-116	c 11	N70-33278* #	US-PATENT-CLASS-73-15 6	c 39	N78-10493* #
US-PATENT-CLASS-62-6	c 23	N72-25619* #	US-PATENT-CLASS-73-116	c 11	N70-34844* #	US-PATENT-CLASS-73-15R	c 33	N72-25913* #
US-PATENT-CLASS-62-6	c 37	N76-29590* #	US-PATENT-CLASS-73-116	c 14	N70-40203* #	US-PATENT-CLASS-73-15R	c 14	N73-28486* #
US-PATENT-CLASS-62-6	c 44	N76-29701* #	US-PATENT-CLASS-73-116	c 11	N70-41677* #	US-PATENT-CLASS-73-15R	c 25	N74-18551* #
US-PATENT-CLASS-62-6	c 44	N83-28574* #	US-PATENT-CLASS-73-116	c 11	N71-10604* #	US-PATENT-CLASS-73-15R	c 31	N74-27900* #
US-PATENT-CLASS-62-78	c 51	N79-10694* #	US-PATENT-CLASS-73-116	c 31	N71-15643* #	US-PATENT-CLASS-73-15R	c 09	N77-27131* #
US-PATENT-CLASS-62-7	c 15	N73-12486* #	US-PATENT-CLASS-73-117 1	c 11	N72-27262* #	US-PATENT-CLASS-73-15R	c 74	N81-17887* #
US-PATENT-CLASS-62-80	c 23	N72-25619* #	US-PATENT-CLASS-73-117 4	c 14	N71-20429* #	US-PATENT-CLASS-73-155	c 46	N80-10709* #
US-PATENT-CLASS-62-85	c 23	N72-25619* #	US-PATENT-CLASS-73-117 4	c 28	N71-27094* #	US-PATENT-CLASS-73-155	c 46	N80-24906* #
US-PATENT-CLASS-62-89	c 05	N73-26071* #	US-PATENT-CLASS-73-117 4	c 35	N75-29382* #	US-PATENT-CLASS-73-159	c 31	N79-11246* #
US-PATENT-CLASS-62-93	c 15	N69-21465* #	US-PATENT-CLASS-73-12	c 14	N71-22965* #	US-PATENT-CLASS-73-15	c 14	N70-34156* #
US-PATENT-CLASS-62-93	c 03	N72-28025* #	US-PATENT-CLASS-73-12	c 14	N71-23225* #	US-PATENT-CLASS-73-15	c 14	N71-15992* #
US-PATENT-CLASS-62-93	c 77	N75-20139* #	US-PATENT-CLASS-73-12	c 14	N71-26161* #	US-PATENT-CLASS-73-15	c 14	N71-22964* #
US-PATENT-CLASS-64-18	c 15	N71-28467* #	US-PATENT-CLASS-73-12	c 14	N72-16282* #	US-PATENT-CLASS-73-15	c 11	N71-24985* #
US-PATENT-CLASS-64-27	c 15	N71-28959* #	US-PATENT-CLASS-73-12	c 14	N72-25411* #	US-PATENT-CLASS-73-15	c 11	N71-28629* #
US-PATENT-CLASS-64-28	c 15	N69-27505* #	US-PATENT-CLASS-73-12	c 14	N73-32327* #	US-PATENT-CLASS-73-161	c 11	N72-25288* #
US-PATENT-CLASS-65-DIG 11	c 37	N74-21063* #	US-PATENT-CLASS-73-12	c 35	N74-21062* #	US-PATENT-CLASS-73-170A	c 35	N78-27384* #
US-PATENT-CLASS-65-DIG 4	c 71	N78-10837* #	US-PATENT-CLASS-73-12	c 35	N75-33367* #	US-PATENT-CLASS-73-170A	c 48	N80-18667* #
US-PATENT-CLASS-65-DIG 7	c 71	N78-10837* #	US-PATENT-CLASS-73-12	c 75	N76-14931* #	US-PATENT-CLASS-73-170R	c 07	N73-20175* #
US-PATENT-CLASS-65-102	c 71	N78-10837* #	US-PATENT-CLASS-73-12	c 35	N77-18417* #	US-PATENT-CLASS-73-170R	c 14	N73-28487* #
US-PATENT-CLASS-65-108	c 35	N77-24455* #	US-PATENT-CLASS-73-12	c 43	N79-25443* #	US-PATENT-CLASS-73-170R	c 14	N73-32327* #
US-PATENT-CLASS-65-134	c 71	N83-35781* #	US-PATENT-CLASS-73-12	c 43	N80-14423* #	US-PATENT-CLASS-73-170R	c 33	N74-27862* #
US-PATENT-CLASS-65-142	c 31	N81-33319* #	US-PATENT-CLASS-73-12	c 43	N80-23711* #	US-PATENT-CLASS-73-170R	c 35	N75-33367* #
US-PATENT-CLASS-65-142	c 27	N82-28442* #	US-PATENT-CLASS-73-133R	c 35	N77-14407* #	US-PATENT-CLASS-73-170R	c 91	N76-30131* #
US-PATENT-CLASS-65-142	c 31	N83-31896* #	US-PATENT-CLASS-73-133	c 15	N71-23725* #	US-PATENT-CLASS-73-170R	c 06	N83-10040* #
US-PATENT-CLASS-65-142	c 31	N83-35176* #	US-PATENT-CLASS-73-133	c 15	N72-22482* #	US-PATENT-CLASS-73-170	c 14	N71-14996* #
US-PATENT-CLASS-65-21 3	c 31	N83-35176* #	US-PATENT-CLASS-73-134	c 14	N70-40201* #	US-PATENT-CLASS-73-170	c 17	N73-32415* #
US-PATENT-CLASS-65-21 4	c 31	N81-33319* #	US-PATENT-CLASS-73-136R	c 15	N72-26371* #	US-PATENT-CLASS-73-178R	c 35	N75-29381* #
US-PATENT-CLASS-65-21 4	c 27	N82-28442* #	US-PATENT-CLASS-73-136	c 14	N70-34818* #	US-PATENT-CLASS-73-178R	c 04	N77-19056* #
US-PATENT-CLASS-65-21 4	c 31	N83-35176* #	US-PATENT-CLASS-73-140	c 11	N72-25288* #	US-PATENT-CLASS-73-178R	c 37	N78-27424* #
US-PATENT-CLASS-65-214	c 31	N83-31896* #	US-PATENT-CLASS-73-141AB	c 14	N72-33377* #	US-PATENT-CLASS-73-178R	c 35	N79-26372* #
US-PATENT-CLASS-65-22	c 31	N81-33319* #	US-PATENT-CLASS-73-141A	c 14	N72-21405* #	US-PATENT-CLASS-73-178R	c 06	N81-17057* #
US-PATENT-CLASS-65-22	c 27	N82-28442* #	US-PATENT-CLASS-73-141A	c 14	N72-22437* #	US-PATENT-CLASS-73-178R	c 04	N81-21047* #
US-PATENT-CLASS-65-22	c 31	N83-31896* #	US-PATENT-CLASS-73-141A	c 35	N74-26945* #	US-PATENT-CLASS-73-178R	c 18	N81-29152* #
US-PATENT-CLASS-65-22	c 31	N83-35176* #	US-PATENT-CLASS-73-141A	c 35	N74-27865* #	US-PATENT-CLASS-73-178R	c 06	N82-16075* #
US-PATENT-CLASS-65-2	c 71	N78-10837* #	US-PATENT-CLASS-73-141A	c 35	N75-33369* #	US-PATENT-CLASS-73-178R	c 06	N83-10040* #
US-PATENT-CLASS-65-30R	c 27	N78-32260* #	US-PATENT-CLASS-73-141A	c 52	N81-20703* #	US-PATENT-CLASS-73-178	c 14	N70-36807* #
US-PATENT-CLASS-65-32	c 71	N78-10837* #	US-PATENT-CLASS-73-141	c 14	N70-41957* #	US-PATENT-CLASS-73-178	c 14	N70-40157* #
US-PATENT-CLASS-65-3	c 37	N75-26371* #	US-PATENT-CLASS-73-141	c 15	N71-20441* #	US-PATENT-CLASS-73-17	c 06	N71-24607* #
US-PATENT-CLASS-65-4B	c 71	N78-10837* #	US-PATENT-CLASS-73-141	c 14	N71-23790* #	US-PATENT-CLASS-73-180	c 35	N78-14364* #
US-PATENT-CLASS-65-43	c 37	N75-15992* #	US-PATENT-CLASS-73-141	c 26	N71-25490* #	US-PATENT-CLASS-73-180	c 02	N80-28300* #
US-PATENT-CLASS-65-43	c 24	N79-25143* #	US-PATENT-CLASS-73-142	c 15	N70-40180* #	US-PATENT-CLASS-73-182	c 14	N73-13415* #
US-PATENT-CLASS-65-59A	c 35	N77-24455* #	US-PATENT-CLASS-73-142	c 14	N71-20439* #	US-PATENT-CLASS-73-182	c 35	N74-32878* #
US-PATENT-CLASS-65-60D	c 27	N78-32260* #	US-PATENT-CLASS-73-143	c 35	N75-19615* #	US-PATENT-CLASS-73-182	c 35	N76-14429* #
US-PATENT-CLASS-65-61	c 74	N80-24149* #	US-PATENT-CLASS-73-143	c 14	N75-24794* #	US-PATENT-CLASS-73-182	c 02	N80-28300* #
US-PATENT-CLASS-65-7	c 18	N71-23088* #	US-PATENT-CLASS-73-144	c 15	N71-22878* #	US-PATENT-CLASS-73-188	c 06	N80-18036* #
US-PATENT-CLASS-65-87	c 71	N78-10837* #	US-PATENT-CLASS-73-147	c 11	N70-33287* #	US-PATENT-CLASS-73-189	c 20	N71-16281* #
US-PATENT-CLASS-65-87	c 35	N77-24455* #	US-PATENT-CLASS-73-147	c 14	N70-33386* #	US-PATENT-CLASS-73-189	c 02	N71-23007* #
US-PATENT-CLASS-65-87	c 35	N77-24455* #	US-PATENT-CLASS-73-147	c 14	N70-34813* #	US-PATENT-CLASS-73-189	c 14	N71-23726* #
US-PATENT-CLASS-70-58	c 33	N81-25299* #	US-PATENT-CLASS-73-147	c 11	N70-36913* #	US-PATENT-CLASS-73-189	c 14	N73-13415* #
US-PATENT-CLASS-71-98	c 51	N83-17045* #	US-PATENT-CLASS-73-147	c 14	N70-40400* #	US-PATENT-CLASS-73-189	c 14	N73-25460* #
US-PATENT-CLASS-72-253	c 15	N71-22797* #	US-PATENT-CLASS-73-147	c 14	N70-41366* #	US-PATENT-CLASS-73-189	c 35	N76-24524* #
US-PATENT-CLASS-72-258	c 15	N73-13464* #	US-PATENT-CLASS-73-147	c 11	N71-15926* #	US-PATENT-CLASS-73-189	c 34	N76-27517* #
US-PATENT-CLASS-72-307	c 15	N72-12408* #	US-PATENT-CLASS-73-147	c 09	N71-16086* #	US-PATENT-CLASS-73-189	c 34	N77-27345* #
US-PATENT-CLASS-72-34	c 15	N71-21536* #	US-PATENT-CLASS-73-147	c 12	N71-20436* #	US-PATENT-CLASS-73-189	c 34	N79-12359* #
US-PATENT-CLASS-72-354	c 15	N71-23811* #	US-PATENT-CLASS-73-147	c 09	N71-20816* #	US-PATENT-CLASS-73-189	c 06	N80-18036* #
US-PATENT-CLASS-72-363	c 37	N76-14461* #	US-PATENT-CLASS-73-147	c 11	N71-21481* #	US-PATENT-CLASS-73-190H	c 35	N74-22095* #
US-PATENT-CLASS-72-364	c 15	N71-18579* #	US-PATENT-CLASS-73-147	c 11	N71-23030* #	US-PATENT-CLASS-73-190R	c 34	N74-27859* #
US-PATENT-CLASS-72-369	c 15	N71-24679* #	US-PATENT-CLASS-73-147	c 15	N71-27006* #	US-PATENT-CLASS-73-190R	c 35	N81-19426* #
US-PATENT-CLASS-72-436	c 37	N79-28550* #	US-PATENT-CLASS-73-147	c 15	N71-28740* #	US-PATENT-CLASS-73-190	c 33	N71-15641* #
US-PATENT-CLASS-72-447	c 15	N73-13463* #	US-PATENT-CLASS-73-147	c 11	N71-33612* #	US-PATENT-CLASS-73-190	c 14	N71-22989* #
US-PATENT-CLASS-72-451	c 37	N79-28550* #	US-PATENT-CLASS-73-147	c 11	N72-17183* #	US-PATENT-CLASS-73-190	c 33	N71-23085* #
US-PATENT-CLASS-72-453	c 37	N76-18454* #	US-PATENT-CLASS-73-147	c 14	N72-21407* #	US-PATENT-CLASS-73-190	c 33	N71-29051* #
US-PATENT-CLASS-72-467	c 15	N71-23817* #	US-PATENT-CLASS-73-147	c 11	N72-22246* #	US-PATENT-CLASS-73-194A	c 14	N72-17329* #
US-PATENT-CLASS-72-46	c 24	N75-33181* #	US-PATENT-CLASS-73-147	c 11	N73-12264* #	US-PATENT-CLASS-73-194EM	c 14	N73-32326* #
US-PATENT-CLASS-72-470	c 37	N79-28550* #	US-PATENT-CLASS-73-147	c 14	N73-13415* #	US-PATENT-CLASS-73-194EM	c 35	N74-21018* #
US-PATENT-CLASS-72-476	c 15	N73-13463* #	US-PATENT-CLASS-73-147	c 12	N73-25262* #	US-PATENT-CLASS-73-194E	c 14	N73-20478* #
US-PATENT-CLASS-72-53	c 15	N71-18616* #	US-PATENT-CLASS-					

US-PATENT-CLASS-73-194F	c 14	N72-11365*	US-PATENT-CLASS-73-407	c 35	N74-32679* #	US-PATENT-CLASS-73-629	c 33	N83-16626* #
US-PATENT-CLASS-73-194M	c 05	N73-32015* #	US-PATENT-CLASS-73-400	c 14	N71-23093*	US-PATENT-CLASS-73-630	c 39	N78-15512* #
US-PATENT-CLASS-73-194M	c 35	N75-30503* #	US-PATENT-CLASS-73-400	c 14	N71-24232*	US-PATENT-CLASS-73-632	c 38	N79-14398* #
US-PATENT-CLASS-73-194R	c 34	N76-27517* #	US-PATENT-CLASS-73-400	c 35	N79-33450* #	US-PATENT-CLASS-73-633	c 52	N79-14751* #
US-PATENT-CLASS-73-194VS	c 34	N79-12359* #	US-PATENT-CLASS-73-401	c 14	N70-34820* #	US-PATENT-CLASS-73-644	c 34	N83-31993* #
US-PATENT-CLASS-73-194	c 14	N70-41994* #	US-PATENT-CLASS-73-40	c 35	N75-15831* #	US-PATENT-CLASS-73-641	c 38	N79-14398* #
US-PATENT-CLASS-73-194	c 14	N71-23226*	US-PATENT-CLASS-73-40	c 35	N80-18358* #	US-PATENT-CLASS-73-644	c 38	N79-14398* #
US-PATENT-CLASS-73-194	c 12	N71-26546*	US-PATENT-CLASS-73-419	c 14	N71-22752*	US-PATENT-CLASS-73-644	c 52	N79-14751* #
US-PATENT-CLASS-73-195	c 35	N75-30503* #	US-PATENT-CLASS-73-420	c 35	N74-13132* #	US-PATENT-CLASS-73-646	c 71	N78-14867* #
US-PATENT-CLASS-73-198	c 14	N69-24257* #	US-PATENT-CLASS-73-421 5R	c 13	N72-25323* #	US-PATENT-CLASS-73-647	c 32	N79-24203* #
US-PATENT-CLASS-73-198	c 14	N72-17327* #	US-PATENT-CLASS-73-421 5R	c 14	N73-30395* #	US-PATENT-CLASS-73-655	c 35	N80-14371* #
US-PATENT-CLASS-73-1	c 10	N71-13545* #	US-PATENT-CLASS-73-421 5R	c 52	N74-20728* #	US-PATENT-CLASS-73-655	c 14	N71-22992* #
US-PATENT-CLASS-73-1	c 09	N71-22988*	US-PATENT-CLASS-73-421 5R	c 35	N76-18401* #	US-PATENT-CLASS-73-661	c 35	N80-14371* #
US-PATENT-CLASS-73-204	c 12	N71-17569*	US-PATENT-CLASS-73-421 5R	c 35	N77-32456* #	US-PATENT-CLASS-73-67 1	c 35	N75-12271* #
US-PATENT-CLASS-73-204	c 35	N76-24524* #	US-PATENT-CLASS-73-421.5	c 14	N73-12444* #	US-PATENT-CLASS-73-67 2	c 11	N69-21540* #
US-PATENT-CLASS-73-204	c 35	N77-20400* #	US-PATENT-CLASS-73-421R	c 54	N76-14804* #	US-PATENT-CLASS-73-67 2	c 15	N71-18132* #
US-PATENT-CLASS-73-204	c 52	N83-27577* #	US-PATENT-CLASS-73-422GC	c 13	N72-25323* #	US-PATENT-CLASS-73-67 2	c 14	N72-22440* #
US-PATENT-CLASS-73-205L	c 02	N80-20224* #	US-PATENT-CLASS-73-422TC	c 13	N72-25323* #	US-PATENT-CLASS-73-67 2	c 35	N78-17358* #
US-PATENT-CLASS-73-212	c 14	N70-36824* #	US-PATENT-CLASS-73-422	c 14	N71-20435*	US-PATENT-CLASS-73-67 3	c 32	N73-26910* #
US-PATENT-CLASS-73-212	c 14	N73-13415* #	US-PATENT-CLASS-73-425 2	c 91	N76-30131* #	US-PATENT-CLASS-73-67 5R	c 38	N74-15395* #
US-PATENT-CLASS-73-212	c 35	N76-14429* #	US-PATENT-CLASS-73-425 4R	c 35	N78-27384* #	US-PATENT-CLASS-73-67 7	c 39	N77-28511* #
US-PATENT-CLASS-73-212	c 06	N80-18036* #	US-PATENT-CLASS-73-425 6	c 15	N72-21465* #	US-PATENT-CLASS-73-67 8S	c 35	N74-10415* #
US-PATENT-CLASS-73-221	c 35	N75-19611* #	US-PATENT-CLASS-73-432PS	c 76	N75-12810* #	US-PATENT-CLASS-73-67 8S	c 38	N74-15130* #
US-PATENT-CLASS-73-228	c 34	N77-27345* #	US-PATENT-CLASS-73-432PS	c 35	N75-33367* #	US-PATENT-CLASS-73-67 9	c 52	N74-20726* #
US-PATENT-CLASS-73-23 1	c 06	N69-39936* #	US-PATENT-CLASS-73-432PS	c 35	N78-18390* #	US-PATENT-CLASS-73-683 31	c 35	N81-29407* #
US-PATENT-CLASS-73-23 1	c 06	N72-17094* #	US-PATENT-CLASS-73-432R	c 33	N77-27796* #	US-PATENT-CLASS-73-684 52	c 35	N81-29407* #
US-PATENT-CLASS-73-23 1	c 06	N72-25146* #	US-PATENT-CLASS-73-432R	c 13	N73-28487* #	US-PATENT-CLASS-73-69	c 71	N74-31148* #
US-PATENT-CLASS-73-23 1	c 25	N76-18245* #	US-PATENT-CLASS-73-432R	c 91	N76-30131* #	US-PATENT-CLASS-73-70 2	c 14	N71-10616* #
US-PATENT-CLASS-73-23 1	c 23	N77-17161* #	US-PATENT-CLASS-73-432R	c 35	N77-19385* #	US-PATENT-CLASS-73-71 2	c 14	N70-34794* #
US-PATENT-CLASS-73-23	c 14	N71-10774* #	US-PATENT-CLASS-73-432R	c 35	N78-18390* #	US-PATENT-CLASS-73-71 3	c 35	N74-15146* #
US-PATENT-CLASS-73-23	c 05	N71-11202* #	US-PATENT-CLASS-73-432SD	c 11	N72-27262* #	US-PATENT-CLASS-73-71 4	c 32	N71-16428* #
US-PATENT-CLASS-73-23	c 52	N74-20728* #	US-PATENT-CLASS-73-432SD	c 11	N73-20267* #	US-PATENT-CLASS-73-71 4	c 32	N71-26681* #
US-PATENT-CLASS-73-23	c 35	N75-29380* #	US-PATENT-CLASS-73-432SD	c 35	N77-18417* #	US-PATENT-CLASS-73-71 5R	c 71	N74-31148* #
US-PATENT-CLASS-73-23	c 25	N78-15210* #	US-PATENT-CLASS-73-432	c 11	N70-34786* #	US-PATENT-CLASS-73-71 5U	c 38	N74-15395* #
US-PATENT-CLASS-73-23	c 35	N78-19465* #	US-PATENT-CLASS-73-432	c 11	N70-38675* #	US-PATENT-CLASS-73-71 6	c 14	N71-27185* #
US-PATENT-CLASS-73-24	c 06	N69-39733* #	US-PATENT-CLASS-73-432	c 05	N70-42000* #	US-PATENT-CLASS-73-71 6	c 14	N72-27412* #
US-PATENT-CLASS-73-28	c 14	N73-27376* #	US-PATENT-CLASS-73-432	c 31	N71-16221* #	US-PATENT-CLASS-73-71 6	c 14	N73-13416* #
US-PATENT-CLASS-73-28	c 14	N73-30395* #	US-PATENT-CLASS-73-432	c 27	N71-16223* #	US-PATENT-CLASS-73-71 6	c 14	N73-19421* #
US-PATENT-CLASS-73-28	c 35	N76-18401* #	US-PATENT-CLASS-73-432	c 30	N71-17788* #	US-PATENT-CLASS-73-71 6	c 35	N77-18417* #
US-PATENT-CLASS-73-28	c 35	N78-18390* #	US-PATENT-CLASS-73-432	c 14	N71-23227* #	US-PATENT-CLASS-73-714	c 35	N79-14347* #
US-PATENT-CLASS-73-290B	c 14	N72-11363*	US-PATENT-CLASS-73-432	c 10	N71-26339* #	US-PATENT-CLASS-73-714	c 34	N79-24285* #
US-PATENT-CLASS-73-290	c 14	N71-10500* #	US-PATENT-CLASS-73-432	c 11	N71-28629* #	US-PATENT-CLASS-73-721	c 35	N79-14347* #
US-PATENT-CLASS-73-290	c 14	N71-21007* #	US-PATENT-CLASS-73-432	c 14	N71-30026* #	US-PATENT-CLASS-73-724	c 32	N79-24203* #
US-PATENT-CLASS-73-295	c 23	N71-17802*	US-PATENT-CLASS-73-432	c 35	N74-21062* #	US-PATENT-CLASS-73-724	c 52	N80-18691* #
US-PATENT-CLASS-73-295	c 31	N76-14284* #	US-PATENT-CLASS-73-432	c 12	N71-17573*	US-PATENT-CLASS-73-724	c 33	N82-26572* #
US-PATENT-CLASS-73-29	c 14	N71-17701*	US-PATENT-CLASS-73-45.5	c 35	N78-24515* #	US-PATENT-CLASS-73-756	c 35	N78-24515* #
US-PATENT-CLASS-73-29	c 14	N71-20741*	US-PATENT-CLASS-73-456	c 35	N75-19612* #	US-PATENT-CLASS-73-756	c 35	N79-14347* #
US-PATENT-CLASS-73-301	c 12	N71-26387*	US-PATENT-CLASS-73-49 2	c 32	N71-24285* #	US-PATENT-CLASS-73-761	c 33	N83-16626* #
US-PATENT-CLASS-73-304C	c 14	N71-29134*	US-PATENT-CLASS-73-49 2	c 35	N75-15931* #	US-PATENT-CLASS-73-76	c 06	N72-17095* #
US-PATENT-CLASS-73-304	c 14	N72-22442* #	US-PATENT-CLASS-73-49 2	c 35	N75-19612* #	US-PATENT-CLASS-73-770	c 39	N79-22537* #
US-PATENT-CLASS-73-30	c 14	N70-41681* #	US-PATENT-CLASS-73-49 3	c 14	N71-26672*	US-PATENT-CLASS-73-781	c 52	N80-27072* #
US-PATENT-CLASS-73-32R	c 76	N75-12810* #	US-PATENT-CLASS-73-49 8	c 14	N69-27503* #	US-PATENT-CLASS-73-79	c 14	N71-26161* #
US-PATENT-CLASS-73-32	c 14	N70-41330* #	US-PATENT-CLASS-73-49 8	c 15	N71-29132*	US-PATENT-CLASS-73-810	c 39	N79-22537* #
US-PATENT-CLASS-73-336 5	c 35	N78-25391* #	US-PATENT-CLASS-73-490	c 04	N81-21047* #	US-PATENT-CLASS-73-818	c 35	N83-21312* #
US-PATENT-CLASS-73-339	c 33	N73-27796* #	US-PATENT-CLASS-73-492	c 17	N72-25411* #	US-PATENT-CLASS-73-818	c 39	N83-32081* #
US-PATENT-CLASS-73-341	c 14	N71-15598* #	US-PATENT-CLASS-73-493	c 17	N76-29347* #	US-PATENT-CLASS-73-81	c 14	N73-32321* #
US-PATENT-CLASS-73-343R	c 44	N82-16474* #	US-PATENT-CLASS-73-497	c 14	N71-30265*	US-PATENT-CLASS-73-822	c 39	N83-32081* #
US-PATENT-CLASS-73-343R	c 52	N77-10780* #	US-PATENT-CLASS-73-497	c 35	N74-15094* #	US-PATENT-CLASS-73-82	c 43	N79-25443* #
US-PATENT-CLASS-73-343R	c 35	N80-18357* #	US-PATENT-CLASS-73-4	c 14	N71-18481*	US-PATENT-CLASS-73-82	c 43	N80-14423* #
US-PATENT-CLASS-73-343	c 33	N71-16356*	US-PATENT-CLASS-73-4	c 14	N71-23036*	US-PATENT-CLASS-73-82	c 43	N80-23711* #
US-PATENT-CLASS-73-343	c 11	N71-21475*	US-PATENT-CLASS-73-4	c 14	N71-23755*	US-PATENT-CLASS-73-84	c 14	N71-22765* #
US-PATENT-CLASS-73-355R	c 14	N72-24477* #	US-PATENT-CLASS-73-4	c 14	N73-30390* #	US-PATENT-CLASS-73-84	c 14	N73-19420* #
US-PATENT-CLASS-73-355R	c 35	N80-18359* #	US-PATENT-CLASS-73-504	c 04	N81-21047* #	US-PATENT-CLASS-73-84	c 35	N77-27367* #
US-PATENT-CLASS-73-355	c 14	N71-27323*	US-PATENT-CLASS-73-505	c 12	N71-16098*	US-PATENT-CLASS-73-856	c 39	N83-32081* #
US-PATENT-CLASS-73-355	c 14	N72-28437* #	US-PATENT-CLASS-73-505	c 23	N75-24774* #	US-PATENT-CLASS-73-85	c 14	N72-33377* #
US-PATENT-CLASS-73-356	c 35	N75-25122* #	US-PATENT-CLASS-73-505	c 71	N78-10837* #	US-PATENT-CLASS-73-860	c 39	N83-32081* #
US-PATENT-CLASS-73-35	c 33	N72-27959* #	US-PATENT-CLASS-73-505	c 71	N79-20827* #	US-PATENT-CLASS-73-861 05	c 33	N83-31954* #
US-PATENT-CLASS-73-361	c 35	N81-26431* #	US-PATENT-CLASS-73-505	c 71	N81-15767* #	US-PATENT-CLASS-73-861 65	c 02	N80-28300* #
US-PATENT-CLASS-73-362AR	c 35	N77-27368* #	US-PATENT-CLASS-73-505	c 71	N83-32515* #	US-PATENT-CLASS-73-861 66	c 02	N80-28300* #
US-PATENT-CLASS-73-379	c 05	N73-27941* #	US-PATENT-CLASS-73-505	c 71	N83-32516* #	US-PATENT-CLASS-73-861	c 34	N81-26402* #
US-PATENT-CLASS-73-379	c 05	N73-30078* #	US-PATENT-CLASS-73-505	c 71	N83-36846* #	US-PATENT-CLASS-73-862 08	c 54	N82-26987* #
US-PATENT-CLASS-73-379	c 35	N75-15932* #	US-PATENT-CLASS-73-510	c 18	N81-29152* #	US-PATENT-CLASS-73-862 54	c 37	N83-36482* #
US-PATENT-CLASS-73-379	c 39	N83-20280* #	US-PATENT-CLASS-73-515	c 14	N72-25410* #	US-PATENT-CLASS-73-863 11	c 35	N83-29650* #
US-PATENT-CLASS-73-382	c 10	N71-13537* #	US-PATENT-CLASS-73-517B	c 35	N74-15094* #	US-PATENT-CLASS-73-863 31	c 45	N83-25217* #
US-PATENT-CLASS-73-382	c 14	N71-17587*	US-PATENT-CLASS-73-517R	c 17	N76-29347* #	US-PATENT-CLASS-73-863 83	c 45	N83-25217* #
US-PATENT-CLASS-73-384	c 15	N70-37925* #	US-PATENT-CLASS-73-517	c 11	N70-38196* #	US-PATENT-CLASS-73-864 63	c 45	N83-25217* #
US-PATENT-CLASS-73-388	c 35	N74-32878* #	US-PATENT-CLASS-73-517	c 14	N70-41682* #	US-PATENT-CLASS-73-86	c 14	N69-39975* #
US-PATENT-CLASS-73-389	c 12	N71-24692*	US-PATENT-CLASS-73-521	c 14	N71-15969*	US-PATENT-CLASS-73-86	c 33	N71-21586* #
US-PATENT-CLASS-73-38	c 18	N71-24934*	US-PATENT-CLASS-73-521	c 14	N72-25410* #	US-PATENT-CLASS-73-86	c 33	N73-27796* #
US-PATENT-CLASS-73-398AR	c 52	N74-27566* #	US-PATENT-CLASS-73-557	c 35	N75-19614* #	US-PATENT-CLASS-73-86	c 34	N74-15652* #
US-PATENT-CLASS-73-398AR	c 52	N76-29896* #	US-PATENT-CLASS-73-557	c 07	N76-27232* #	US-PATENT-CLASS-73-88 5R	c 15	N72-17452* #
US-PATENT-CLASS-73-398C	c 14	N72-22438* #	US-PATENT-CLASS-73-556	c 35	N80-18357* #	US-PATENT-CLASS-73-88 5R	c 32	N73-26910* #
US-PATENT-CLASS-73-398C	c 33	N76-21390* #	US-PATENT-CLASS-73-579	c 39	N78-15512* #	US-PATENT-CLASS-73-88 5R	c 52	N74-27864* #
US-PATENT-CLASS-73-398	c 14	N70-34816* #	US-PATENT-CLASS-73-579	c 35	N79-10390* #	US-PATENT-CLASS-73-88 5R	c 35	N76-14430* #
US-PATENT-CLASS-73-398	c 14	N71-21072*	US-PATENT-CLASS-73-579	c 33	N83-16626* #	US-PATENT-CLASS-73-88 5SD	c 33	N76-19338* #
US-PATENT-CLASS-73-398	c 09	N71-24597*	US-PATENT-CLASS-73-57	c 14	N71-17584*	US-PATENT-CLASS-73-88 5	c 14	N70-34705* #
US-PATENT-CLASS-73-398	c 14	N73-30394* #	US-PATENT-CLASS-73-57	c 14	N73-14429* #	US-PATENT-CLASS-73-88 5	c 14	N70-34799* #
US-PATENT-CLASS-73-399	c 37	N76-18454* #	US-PATENT-CLASS-73-589	c 35	N79-10390* #	US-PATENT-CLASS-73-88 5	c 14	N71-17656* #
US-PATENT-CLASS-73-3	c 34	N74-27730* #	US-PATENT-CLASS-73-597	c 33	N83-16626* #	US-PATENT-CLASS-73-88 5	c 14	N71-21091* #
US-PATENT-CLASS-73-4R	c 35	N74-13132* #	US-PATENT-CLASS-73-597	c 52	N83-27578* #	US-PATENT-CLASS-73-88 5	c 14	N71-23087* #
US-PATENT-CLASS-73-4R	c 35	N79-14347* #	US-PATENT-CLASS-73-603	c 38	N78-32447* #	US-PATENT-CLASS-73-88 5	c 14	N71-24233* #
US-PATENT-CLASS-73-4R	c 35	N80-18358* #	US-PATENT-CLASS-73-60	c 14	N73-14429* #	US-PATENT-CLASS-73-88 5	c 09	N72-22200* #
US-PATENT-CLASS-73-4V	c 35	N74-15092* #	US-PATENT-CLASS-73-61 1C	c 23	N77-17161* #	US-PATENT-CLASS-73-88 5	c 33	N75-31329* #
US-PATENT-CLASS-73-40 5	c 14	N71-10779* #	US-PATENT-CLASS-73-61R	c 35	N78-27384* #	US-PATENT-CLASS-73-88 5	c 38	N76-28563* #
US-PATENT-CLASS-73-40 7	c 15	N71-24910*	US-PATENT-CLASS-73-61	c 14	N71-26199*	US-PATENT-CLASS-73-88A	c 32	N73-20740* #
US-PATENT-CLASS-73-40 7	c 14	N71-28992*	US-PATENT-CLASS-73-626	c 52	N79-26771* #	US-PATENT-CLASS-73-88F	c 39	N78-15512* #

REPORT NUMBER INDEX

US-PATENT-CLASS-95-44

US-PATENT-CLASS-73-88R	c 35	N74-13129* #	US-PATENT-CLASS-75-124	c 26	N78-18182* #	US-PATENT-CLASS-83-152	c 76	N80-18951* #
US-PATENT-CLASS-73-88R	c 35	N77-22449* #	US-PATENT-CLASS-75-124	c 26	N80-32484* #	US-PATENT-CLASS-83-451	c 37	N77-14478* #
US-PATENT-CLASS-73-88R	c 39	N77-28511* #	US-PATENT-CLASS-75-126D	c 26	N78-18182* #	US-PATENT-CLASS-83-452	c 39	N74-13131* #
US-PATENT-CLASS-73-88	c 32	N71-17645* #	US-PATENT-CLASS-75-126F	c 26	N78-18182* #	US-PATENT-CLASS-83-467R	c 37	N77-14478* #
US-PATENT-CLASS-73-90	c 32	N70-42003* #	US-PATENT-CLASS-75-128G	c 26	N78-18182* #	US-PATENT-CLASS-83-467	c 15	N71-22798* #
US-PATENT-CLASS-73-90	c 32	N71-25360* #	US-PATENT-CLASS-75-128T	c 26	N78-18182* #	US-PATENT-CLASS-83-522	c 15	N72-27485* #
US-PATENT-CLASS-73-90	c 14	N73-20476* #	US-PATENT-CLASS-75-134D	c 76	N79-16678* #	US-PATENT-CLASS-83-562	c 15	N72-27485* #
US-PATENT-CLASS-73-91	c 14	N73-20476* #	US-PATENT-CLASS-75-135	c 18	N73-23437* #	US-PATENT-CLASS-83-563	c 15	N72-27485* #
US-PATENT-CLASS-73-91	c 32	N73-26910* #	US-PATENT-CLASS-75-135	c 24	N77-27187* #	US-PATENT-CLASS-83-588	c 15	N72-27485* #
US-PATENT-CLASS-73-91	c 09	N74-19528* #	US-PATENT-CLASS-75-135	c 26	N80-23419* #	US-PATENT-CLASS-83-602	c 39	N74-13131* #
US-PATENT-CLASS-73-91	c 39	N78-10493* #	US-PATENT-CLASS-75-138	c 26	N80-23419* #	US-PATENT-CLASS-83-820	c 37	N80-29703* #
US-PATENT-CLASS-73-94	c 14	N73-32323* #	US-PATENT-CLASS-75-139	c 24	N77-27187* #	US-PATENT-CLASS-83-870	c 76	N80-18951* #
US-PATENT-CLASS-73-95	c 15	N71-24834* #	US-PATENT-CLASS-75-142	c 17	N71-20743* #	US-PATENT-CLASS-83-8	c 15	N72-27485* #
US-PATENT-CLASS-73-95	c 14	N72-11364* #	US-PATENT-CLASS-75-170	c 17	N71-15644* #	US-PATENT-CLASS-83-917	c 39	N74-13131* #
US-PATENT-CLASS-73-95	c 35	N76-18400* #	US-PATENT-CLASS-75-170	c 17	N71-16025* #	US-PATENT-CLASS-85-1	c 15	N72-22488* #
US-PATENT-CLASS-73-95	c 35	N77-22450* #	US-PATENT-CLASS-75-170	c 17	N71-23248* #	US-PATENT-CLASS-85-33	c 15	N71-15922* #
US-PATENT-CLASS-73-95	c 31	N79-11246* #	US-PATENT-CLASS-75-170	c 17	N72-22535* #	US-PATENT-CLASS-85-33	c 15	N71-21489* #
US-PATENT-CLASS-73-97	c 14	N71-15600* #	US-PATENT-CLASS-75-170	c 37	N77-19458* #	US-PATENT-CLASS-85-3	c 15	N71-17653* #
US-PATENT-CLASS-73-99	c 14	N71-10781* #	US-PATENT-CLASS-75-170	c 26	N77-20201* #	US-PATENT-CLASS-85-5B	c 15	N72-11385* #
US-PATENT-CLASS-73-9	c 14	N71-22995* #	US-PATENT-CLASS-75-170	c 26	N77-32279* #	US-PATENT-CLASS-85-7	c 15	N71-23254* #
US-PATENT-CLASS-73-9	c 35	N76-31489* #	US-PATENT-CLASS-75-170	c 26	N77-32280* #	US-PATENT-CLASS-859R	c 27	N81-15104* #
US-PATENT-CLASS-74-100R	c 37	N78-31426* #	US-PATENT-CLASS-75-170	c 26	N78-18183* #	US-PATENT-CLASS-86-1R	c 28	N77-10213* #
US-PATENT-CLASS-74-100	c 15	N71-24045* #	US-PATENT-CLASS-75-171	c 17	N70-33283* #	US-PATENT-CLASS-86-1R	c 20	N77-17143* #
US-PATENT-CLASS-74-105	c 09	N72-22195* #	US-PATENT-CLASS-75-171	c 17	N70-36616* #	US-PATENT-CLASS-86-1	c 28	N71-26779* #
US-PATENT-CLASS-74-110	c 44	N83-14693* #	US-PATENT-CLASS-75-171	c 17	N71-16026* #	US-PATENT-CLASS-86-20	c 28	N71-26779* #
US-PATENT-CLASS-74-126	c 15	N71-21529* #	US-PATENT-CLASS-75-171	c 17	N73-32415* #	US-PATENT-CLASS-86-20R	c 20	N77-17143* #
US-PATENT-CLASS-74-18 1	c 37	N82-24493* #	US-PATENT-CLASS-75-172	c 17	N71-23365* #	US-PATENT-CLASS-88-14	c 14	N70-34298* #
US-PATENT-CLASS-74-18 2	c 11	N71-27036* #	US-PATENT-CLASS-75-173	c 26	N75-27126* #	US-PATENT-CLASS-88-14	c 14	N70-40003* #
US-PATENT-CLASS-74-18 2	c 37	N82-24493* #	US-PATENT-CLASS-75-173	c 26	N75-27127* #	US-PATENT-CLASS-88-14	c 14	N70-41946* #
US-PATENT-CLASS-74-217R	c 37	N74-23070* #	US-PATENT-CLASS-75-178R	c 04	N76-20114* #	US-PATENT-CLASS-88-14	c 14	N70-41955* #
US-PATENT-CLASS-74-2	c 15	N71-24600* #	US-PATENT-CLASS-75-178R	c 26	N80-23419* #	US-PATENT-CLASS-88-14	c 09	N71-22999* #
US-PATENT-CLASS-74-2	c 31	N73-14855* #	US-PATENT-CLASS-75-20F	c 15	N72-11387* #	US-PATENT-CLASS-88-16	c 14	N70-33254* #
US-PATENT-CLASS-74-384	c 37	N76-15457* #	US-PATENT-CLASS-75-200	c 26	N74-10521* #	US-PATENT-CLASS-88-1	c 21	N70-35427* #
US-PATENT-CLASS-74-385	c 07	N78-17056* #	US-PATENT-CLASS-75-200	c 37	N74-13179* #	US-PATENT-CLASS-88-1	c 21	N71-22880* #
US-PATENT-CLASS-74-409	c 15	N71-21744* #	US-PATENT-CLASS-75-200	c 24	N75-13032* #	US-PATENT-CLASS-88-24	c 23	N71-21882* #
US-PATENT-CLASS-74-417	c 07	N78-17056* #	US-PATENT-CLASS-75-200	c 37	N75-26371* #	US-PATENT-CLASS-89-1 5G	c 08	N82-32373* #
US-PATENT-CLASS-74-417	c 37	N81-14318* #	US-PATENT-CLASS-75-202	c 24	N80-33482* #	US-PATENT-CLASS-89-1 5	c 31	N71-15675* #
US-PATENT-CLASS-74-417	c 37	N81-17432* #	US-PATENT-CLASS-75-202	c 17	N71-15468* #	US-PATENT-CLASS-89-1 5	c 15	N71-24600* #
US-PATENT-CLASS-74-424 8VA	c 37	N75-15050* #	US-PATENT-CLASS-75-203	c 27	N79-14213* #	US-PATENT-CLASS-89-1 7	c 11	N70-38202* #
US-PATENT-CLASS-74-424 8	c 15	N71-26635* #	US-PATENT-CLASS-75-204	c 18	N71-22894* #	US-PATENT-CLASS-89-1 7	c 30	N70-40353* #
US-PATENT-CLASS-74-425	c 37	N80-32716* #	US-PATENT-CLASS-75-205	c 27	N79-14213* #	US-PATENT-CLASS-89-1 7	c 03	N71-12258* #
US-PATENT-CLASS-74-436	c 37	N75-13266* #	US-PATENT-CLASS-75-206	c 15	N72-25448* #	US-PATENT-CLASS-89-1 7	c 03	N71-12259* #
US-PATENT-CLASS-74-468	c 15	N71-24984* #	US-PATENT-CLASS-75-206	c 27	N79-14213* #	US-PATENT-CLASS-89-1 801	c 20	N76-22296* #
US-PATENT-CLASS-74-469	c 15	N72-21463* #	US-PATENT-CLASS-75-208R	c 37	N75-26371* #	US-PATENT-CLASS-89-1 806	c 15	N71-24043* #
US-PATENT-CLASS-74-469	c 15	N72-28495* #	US-PATENT-CLASS-75-208	c 18	N72-25539* #	US-PATENT-CLASS-89-1 811	c 15	N72-17455* #
US-PATENT-CLASS-74-471XY	c 54	N77-27760* #	US-PATENT-CLASS-75-211	c 18	N72-25539* #	US-PATENT-CLASS-89-1B	c 01	N83-35992* #
US-PATENT-CLASS-74-471	c 05	N70-41581* #	US-PATENT-CLASS-75-212	c 37	N75-26371* #	US-PATENT-CLASS-89-1	c 03	N70-34667* #
US-PATENT-CLASS-74-471	c 03	N70-42073* #	US-PATENT-CLASS-75-212	c 27	N79-14213* #	US-PATENT-CLASS-89-1	c 15	N71-16078* #
US-PATENT-CLASS-74-471	c 15	N71-20740* #	US-PATENT-CLASS-75-213	c 15	N72-25448* #	US-PATENT-CLASS-89-1	c 11	N71-18578* #
US-PATENT-CLASS-74-479	c 08	N82-24205* #	US-PATENT-CLASS-75-213	c 37	N74-13179* #	US-PATENT-CLASS-89-1	c 11	N73-32152* #
US-PATENT-CLASS-74-480R	c 05	N75-12930* #	US-PATENT-CLASS-75-214	c 37	N74-13179* #	US-PATENT-CLASS-89-1	c 75	N76-14931* #
US-PATENT-CLASS-74-480R	c 08	N82-24205* #	US-PATENT-CLASS-75-214	c 37	N75-26371* #	US-PATENT-CLASS-89-1	c 75	N76-17951* #
US-PATENT-CLASS-74-5 12	c 31	N71-26537* #	US-PATENT-CLASS-75-222	c 28	N70-38197* #	US-PATENT-CLASS-89-1	c 09	N79-21084* #
US-PATENT-CLASS-74-5 22	c 21	N73-13644* #	US-PATENT-CLASS-75-222	c 37	N75-26371* #	US-PATENT-CLASS-91-11A	c 02	N73-26006* #
US-PATENT-CLASS-74-5 34	c 04	N76-26175* #	US-PATENT-CLASS-75-222	c 24	N80-33482* #	US-PATENT-CLASS-91-11A	c 54	N74-14845* #
US-PATENT-CLASS-74-5 34	c 06	N83-33882* #	US-PATENT-CLASS-75-225	c 34	N76-27515* #	US-PATENT-CLASS-91-11	c 05	N70-34857* #
US-PATENT-CLASS-74-5 47	c 21	N71-23289* #	US-PATENT-CLASS-75-226	c 18	N72-25539* #	US-PATENT-CLASS-91-2A	c 02	N73-26006* #
US-PATENT-CLASS-74-5 5	c 35	N74-28097* #	US-PATENT-CLASS-75-226	c 26	N74-10521* #	US-PATENT-CLASS-91-312	c 05	N71-22748* #
US-PATENT-CLASS-74-5 6	c 35	N74-15094* #	US-PATENT-CLASS-75-226	c 37	N74-13179* #	US-PATENT-CLASS-91-316	c 05	N70-36493* #
US-PATENT-CLASS-74-5 7	c 35	N74-18323* #	US-PATENT-CLASS-75-229	c 27	N79-14213* #	US-PATENT-CLASS-91-3	c 02	N73-26006* #
US-PATENT-CLASS-74-5 7	c 15	N76-14158* #	US-PATENT-CLASS-75-239	c 27	N78-17206* #	US-PATENT-CLASS-91-8	c 03	N70-36778* #
US-PATENT-CLASS-74-5F	c 15	N73-12488* #	US-PATENT-CLASS-75-241	c 27	N78-17206* #	US-PATENT-CLASS-91-9	c 15	N71-24600* #
US-PATENT-CLASS-74-501R	c 15	N72-22485* #	US-PATENT-CLASS-75-25	c 27	N81-15119* #	US-PATENT-CLASS-90-11	c 15	N71-33518* #
US-PATENT-CLASS-74-515E	c 54	N78-17676* #	US-PATENT-CLASS-75-63	c 28	N81-15119* #	US-PATENT-CLASS-90-12 5	c 37	N74-25968* #
US-PATENT-CLASS-74-519	c 03	N70-41954* #	US-PATENT-CLASS-75-65R	c 15	N71-27184* #	US-PATENT-CLASS-90-12	c 15	N71-22799* #
US-PATENT-CLASS-74-519	c 05	N81-19087* #	US-PATENT-CLASS-75-66	c 24	N77-27187* #	US-PATENT-CLASS-91-186	c 05	N73-32014* #
US-PATENT-CLASS-74-572	c 07	N78-33101* #	US-PATENT-CLASS-75-66	c 17	N71-26773* #	US-PATENT-CLASS-91-325	c 37	N81-32510* #
US-PATENT-CLASS-74-572	c 37	N79-10422* #	US-PATENT-CLASS-75-66	c 06	N73-13129* #	US-PATENT-CLASS-91-341R	c 37	N81-32510* #
US-PATENT-CLASS-74-572	c 44	N79-14527* #	US-PATENT-CLASS-75-66	c 17	N73-28573* #	US-PATENT-CLASS-91-361	c 15	N71-27754* #
US-PATENT-CLASS-74-572	c 24	N81-29163* #	US-PATENT-CLASS-77 5AQ	c 27	N81-15104* #	US-PATENT-CLASS-91-363A	c 15	N73-13466* #
US-PATENT-CLASS-74-586	c 37	N79-14382* #	US-PATENT-CLASS-77 5CH	c 27	N81-15104* #	US-PATENT-CLASS-91-390	c 15	N71-27147* #
US-PATENT-CLASS-74-594 6	c 37	N74-18127* #	US-PATENT-CLASS-78-1	c 15	N70-33330* #	US-PATENT-CLASS-91-390	c 15	N71-27754* #
US-PATENT-CLASS-74-594 7	c 37	N74-18127* #	US-PATENT-CLASS-788-704	c 36	N79-18307* #	US-PATENT-CLASS-91-410	c 37	N81-32510* #
US-PATENT-CLASS-74-63	c 15	N71-17692* #	US-PATENT-CLASS-8-DIG 12	c 27	N80-26446* #	US-PATENT-CLASS-91-448	c 15	N71-27754* #
US-PATENT-CLASS-74-661	c 37	N80-32716* #	US-PATENT-CLASS-8-DIG 18	c 27	N80-26446* #	US-PATENT-CLASS-91-448	c 15	N73-13466* #
US-PATENT-CLASS-74-665B	c 37	N76-15457* #	US-PATENT-CLASS-8-115 5	c 27	N80-26446* #	US-PATENT-CLASS-91-461	c 15	N71-27147* #
US-PATENT-CLASS-74-665C	c 37	N80-32716* #	US-PATENT-CLASS-8-150	c 09	N82-29330* #	US-PATENT-CLASS-92-130R	c 37	N81-33483* #
US-PATENT-CLASS-74-674	c 37	N79-20377* #	US-PATENT-CLASS-8-3	c 51	N77-27677* #	US-PATENT-CLASS-92-37	c 37	N82-24493* #
US-PATENT-CLASS-74-675	c 37	N74-27901* #	US-PATENT-CLASS-8-94 11	c 51	N77-27677* #	US-PATENT-CLASS-92-49	c 14	N73-13418* #
US-PATENT-CLASS-74-705	c 37	N79-20377* #	US-PATENT-CLASS-8-94 12	c 18	N71-15545* #	US-PATENT-CLASS-92-94	c 32	N70-41370* #
US-PATENT-CLASS-74-710	c 37	N74-27901* #	US-PATENT-CLASS-81-119	c 37	N79-14383* #	US-PATENT-CLASS-93-1	c 15	N70-33180* #
US-PATENT-CLASS-74-764	c 37	N79-20377* #	US-PATENT-CLASS-81-180B	c 37	N79-14383* #	US-PATENT-CLASS-94 9N	c 27	N81-15104* #
US-PATENT-CLASS-74-800	c 37	N78-17385* #	US-PATENT-CLASS-81-3FR	c 15	N71-29133* #	US-PATENT-CLASS-95-1 1	c 14	N72-18411* #
US-PATENT-CLASS-74-81	c 37	N78-16369* #	US-PATENT-CLASS-81-55	c 37	N83-36482* #	US-PATENT-CLASS-95-1 1	c 14	N73-26431* #
US-PATENT-CLASS-74-820	c 37	N75-13266* #	US-PATENT-CLASS-81-56	c 37	N76-20480* #	US-PATENT-CLASS-95-11 5R	c 14	N73-19419* #
US-PATENT-CLASS-74-83	c 37	N78-16369* #	US-PATENT-CLASS-81-57 31	c 37	N76-20480* #	US-PATENT-CLASS-95-11 5	c 14	N73-32319* #
US-PATENT-CLASS-74-89 15	c 15	N71-26635* #	US-PATENT-CLASS-81-57 38	c 15	N73-30457* #	US-PATENT-CLASS-95-11R	c 14	N73-19419* #
US-PATENT-CLASS-74-89 15	c 15	N72-21462* #	US-PATENT-CLASS-81-57 38	c 37	N83-36482* #	US-PATENT-CLASS-95-11	c 14	N71-18465* #
US-PATENT-CLASS-74-89 18	c 15	N71-23809* #	US-PATENT-CLASS-81-63 1	c 15	N71-17805* #	US-PATENT-CLASS-95-11	c 16	N71-33410* #
US-PATENT-CLASS-74-89	c 37	N81-33483* #	US-PATENT-CLASS-81-9 5R	c 37	N79-10419* #	US-PATENT-CLASS-95-11	c 14	N73-32319* #
US-PATENT-CLASS-74-96	c 37	N77-22482* #	US-PATENT-CLASS-81-908	c 37	N79-14383* #	US-PATENT-CLASS-95-12 5	c 31	N72-25842* #
US-PATENT-CLASS-75-5B	c 17	N72-22530* #	US-PATENT-CLASS-82-1 2	c 37	N81-14319* #	US-PATENT-CLASS-95-12 5	c 14	N73-14427* #
US-PATENT-CLASS-75-DIG 1	c 18	N72-25539* #	US-PATENT-CLASS-82-1C	c 37	N81-14319* #	US-PATENT-CLASS-95-12	c 14	N73-33361* #
US-PATENT-CLASS-75-DIG 1	c 37	N75-26371* #	US-PATENT-CLASS-82-14	c 15	N71-22722* #	US-PATENT-CLASS-95-18	c 14	N72-20380* #
US-PATENT-CLASS-75-0 58B	c 15	N72-25448* #	US-PATENT-CLASS-82-24R	c 14	N72-16283* #	US-PATENT-CLASS-95-42	c 14	N73-32322* #
US-PATENT-CLASS-75-122 7	c 37	N77-19458* #	US-PATENT-CLASS-82-36R	c 37				

US-PATENT-CLASS-95-53EA

REPORT NUMBER INDEX

US-PATENT-CLASS-95-53EA	c 33	N74-20861* #	US-PATENT-3,104,079	c 31	N70-37986* #	US-PATENT-3,180,587	c 21	N70-36943* #
US-PATENT-CLASS-95-53	c 15	N71-21060*	US-PATENT-3,104,082	c 02	N70-38011* #	US-PATENT-3,181,821	c 31	N70-36845* #
US-PATENT-CLASS-95-58	c 14	N70-40273* #	US-PATENT-3,105,515	c 15	N70-38603* #	US-PATENT-3,182,496	c 11	N70-36913* #
US-PATENT-CLASS-95-59	c 14	N73-14427* #	US-PATENT-3,106,603	c 09	N70-38201* #	US-PATENT-3,183,506	c 07	N70-36911* #
US-PATENT-CLASS-95-89R	c 35	N74-15831* #	US-PATENT-3,108,171	c 33	N70-34812* #	US-PATENT-3,185,023	c 14	N70-34298* #
US-PATENT-CLASS-96-27R	c 35	N79-10389* #	US-PATENT-3,110,318	c 12	N70-38997* #	US-PATENT-3,187,583	c 11	N70-38675* #
US-PATENT-CLASS-96-36.2	c 06	N72-21094* #	US-PATENT-3,112,672	c 11	N70-38202* #	US-PATENT-3,188,472	c 21	N70-34297* #
US-PATENT-CLASS-96-36.2	c 15	N72-25452* #	US-PATENT-3,115,630	c 31	N70-37981* #	US-PATENT-3,189,444	c 15	N70-34249* #
US-PATENT-CLASS-96-38.3	c 35	N74-26946* #	US-PATENT-3,118,100	c 03	N71-29129*	US-PATENT-3,189,299	c 21	N70-34295* #
US-PATENT-CLASS-96-49	c 14	N71-17574*	US-PATENT-3,119,086	c 35	N79-33449* #	US-PATENT-3,189,535	c 15	N70-34967* #
US-PATENT-CLASS-96-60R	c 35	N79-10389* #	US-PATENT-3,119,232	c 28	N70-37980* #	US-PATENT-3,189,726	c 33	N70-34545* #
US-PATENT-CLASS-96-79	c 35	N74-26946* #	US-PATENT-3,120,101	c 28	N70-34860* #	US-PATENT-3,189,784	c 33	N75-27250* #
US-PATENT-CLASS-96-87A	c 27	N78-14164* #	US-PATENT-3,120,361	c 31	N70-38010* #	US-PATENT-3,189,784	c 09	N70-34502* #
US-PATENT-CLASS-96-90PC	c 14	N72-22443* #	US-PATENT-3,120,738	c 28	N70-38248* #	US-PATENT-3,189,864	c 09	N70-34596* #
US-PATENT-CLASS-98-1.5	c 44	N78-32539* #	US-PATENT-3,121,309	c 28	N70-35381* #	US-PATENT-3,190,124	c 35	N79-33450* #
US-PATENT-CLASS-98-1	c 54	N78-17679* #	US-PATENT-3,122,000	c 15	N70-38020* #	US-PATENT-3,191,316	c 31	N70-34966* #
US-PATENT-CLASS-98-39	c 31	N74-27902* #	US-PATENT-3,122,098	c 28	N70-38181* #	US-PATENT-3,191,379	c 27	N70-35534* #
US-PATENT-CLASS-99-80PS	c 05	N72-33096* #	US-PATENT-3,122,885	c 28	N70-38710* #	US-PATENT-3,191,907	c 15	N70-34859* #
			US-PATENT-3,123,248	c 11	N70-38182* #	US-PATENT-3,192,730	c 06	N70-34946* #
US-PATENT-DES-228,688	c 05	N74-10907* #	US-PATENT-3,123,418	c 37	N79-33467* #	US-PATENT-3,193,883	c 27	N70-34783* #
			US-PATENT-3,123,692	c 33	N79-33393* #	US-PATENT-3,194,060	c 14	N70-34794* #
US-PATENT-RE-26,548	c 07	N71-12389* #	US-PATENT-3,127,157	c 15	N70-38225* #	US-PATENT-3,194,525	c 11	N70-35383* #
US-PATENT-RE-28,921	c 52	N76-30793* #	US-PATENT-3,128,389	c 09	N70-38604* #	US-PATENT-3,194,951	c 08	N70-34778* #
			US-PATENT-3,128,845	c 15	N70-38601* #	US-PATENT-3,196,261	c 08	N70-34787* #
US-PATENT-2,837,706	c 15	N71-28952*	US-PATENT-3,130,940	c 33	N70-33344*	US-PATENT-3,196,362	c 09	N70-35440* #
US-PATENT-2,898,889	c 02	N71-29128*	US-PATENT-3,131,040	c 37	N79-21345* #	US-PATENT-3,196,557	c 11	N70-34815* #
US-PATENT-2,903,307	c 15	N71-29136*	US-PATENT-3,132,342	c 07	N70-38200* #	US-PATENT-3,196,558	c 14	N70-35394* #
US-PATENT-2,926,123	c 33	N71-29151*	US-PATENT-3,132,476	c 28	N70-34294* #	US-PATENT-3,196,598	c 28	N70-34788* #
US-PATENT-2,934,331	c 15	N70-33382*	US-PATENT-3,132,479	c 15	N71-28951*	US-PATENT-3,196,675	c 14	N70-34818* #
US-PATENT-2,940,259	c 28	N70-33241*	US-PATENT-3,132,903	c 15	N70-38620* #	US-PATENT-3,196,690	c 11	N70-34786* #
US-PATENT-2,944,316	c 15	N71-16076*	US-PATENT-3,134,389	c 37	N79-33468* #	US-PATENT-3,197,616	c 14	N71-28958* #
US-PATENT-2,945,667	c 15	N70-33376*	US-PATENT-3,135,089	c 28	N70-38504* #	US-PATENT-3,198,955	c 08	N70-34743* #
US-PATENT-2,956,772	c 33	N71-29152*	US-PATENT-3,135,090	c 28	N70-38505* #	US-PATENT-3,198,994	c 26	N73-28710* #
US-PATENT-2,960,002	c 14	N70-41946* #	US-PATENT-3,136,123	c 28	N70-38199* #	US-PATENT-3,199,340	c 14	N70-34799* #
US-PATENT-2,971,837	c 17	N70-33283*	US-PATENT-3,138,837	c 17	N70-38198* #	US-PATENT-3,199,343	c 11	N70-34844* #
US-PATENT-2,974,925	c 28	N70-33372*	US-PATENT-3,139,725	c 28	N70-38645* #	US-PATENT-3,199,931	c 15	N70-34664* #
US-PATENT-2,984,735	c 11	N70-33329*	US-PATENT-3,140,728	c 15	N70-36908* #	US-PATENT-3,200,706	c 03	N70-34667* #
US-PATENT-2,991,671	c 15	N70-33330*	US-PATENT-3,141,340	c 11	N70-38196* #	US-PATENT-3,201,560	c 33	N70-34540* #
US-PATENT-2,991,961	c 02	N70-33332*	US-PATENT-3,141,769	c 28	N70-38197* #	US-PATENT-3,201,635	c 25	N70-34681* #
US-PATENT-2,996,212	c 31	N71-17680*	US-PATENT-3,141,832	c 03	N70-38713* #	US-PATENT-3,201,980	c 14	N70-40203* #
US-PATENT-2,997,274	c 28	N71-29154*	US-PATENT-3,143,321	c 15	N70-34850* #	US-PATENT-3,202,381	c 31	N70-34176* #
US-PATENT-3,001,363	c 28	N70-33331*	US-PATENT-3,143,651	c 14	N70-40240*	US-PATENT-3,202,398	c 28	N71-28928* #
US-PATENT-3,001,395	c 14	N70-33386*	US-PATENT-3,144,219	c 31	N70-38676* #	US-PATENT-3,202,444	c 03	N70-34134* #
US-PATENT-3,001,739	c 03	N70-33343*	US-PATENT-3,144,999	c 02	N70-34856* #	US-PATENT-3,202,915	c 14	N70-38602* #
US-PATENT-3,004,189	c 37	N75-29426* #	US-PATENT-3,145,874	c 11	N71-15960*	US-PATENT-3,202,998	c 31	N70-34135* #
US-PATENT-3,004,735	c 14	N70-33322*	US-PATENT-3,147,422	c 09	N70-38712* #	US-PATENT-3,204,447	c 14	N70-34156* #
US-PATENT-3,005,081	c 09	N70-33312*	US-PATENT-3,149,897	c 09	N70-36494* #	US-PATENT-3,204,889	c 14	N70-34157* #
US-PATENT-3,005,339	c 11	N70-33287*	US-PATENT-3,150,329	c 09	N70-38995* #	US-PATENT-3,205,361	c 03	N70-34158* #
US-PATENT-3,008,229	c 15	N70-33311*	US-PATENT-3,150,387	c 03	N70-36778* #	US-PATENT-3,205,362	c 21	N70-35089* #
US-PATENT-3,010,372	c 15	N70-33180*	US-PATENT-3,152,344	c 05	N70-36493* #	US-PATENT-3,205,381	c 03	N70-35408* #
US-PATENT-3,011,760	c 15	N70-33226*	US-PATENT-3,155,992	c 05	N70-34857* #	US-PATENT-3,206,141	c 18	N70-35395* #
US-PATENT-3,012,400	c 28	N70-33374*	US-PATENT-3,156,090	c 28	N70-37245* #	US-PATENT-3,206,897	c 21	N75-27040* #
US-PATENT-3,012,407	c 15	N70-33323*	US-PATENT-3,157,529	c 18	N70-36400* #	US-PATENT-3,208,215	c 28	N70-34162* #
US-PATENT-3,016,693	c 28	N70-33356*	US-PATENT-3,158,172	c 15	N70-34817* #	US-PATENT-3,208,272	c 14	N70-34161* #
US-PATENT-3,016,863	c 12	N70-33305*	US-PATENT-3,158,336	c 31	N70-36410* #	US-PATENT-3,208,694	c 02	N70-34160* #
US-PATENT-3,022,672	c 14	N70-34816* #	US-PATENT-3,158,764	c 03	N70-36803* #	US-PATENT-3,208,707	c 31	N70-34159* #
US-PATENT-3,024,659	c 14	N70-34820* #	US-PATENT-3,159,967	c 28	N70-36802* #	US-PATENT-3,209,360	c 09	N70-35219* #
US-PATENT-3,028,122	c 02	N70-33286*	US-PATENT-3,160,825	c 14	N70-35220*	US-PATENT-3,209,361	c 09	N70-35425* #
US-PATENT-3,028,126	c 21	N70-33279*	US-PATENT-3,160,950	c 15	N70-36409* #	US-PATENT-3,210,927	c 28	N70-34175* #
US-PATENT-3,028,128	c 31	N70-33242*	US-PATENT-3,162,012	c 15	N70-36411* #	US-PATENT-3,211,169	c 15	N70-35087* #
US-PATENT-3,035,333	c 28	N70-41818* #	US-PATENT-3,163,935	c 14	N70-36907* #	US-PATENT-3,211,414	c 15	N70-35407* #
US-PATENT-3,038,077	c 21	N70-33181*	US-PATENT-3,164,222	c 15	N70-34861* #	US-PATENT-3,212,096	c 09	N70-35382* #
US-PATENT-3,038,175	c 05	N70-33285*	US-PATENT-3,164,369	c 15	N70-36412* #	US-PATENT-3,212,259	c 28	N71-29153* #
US-PATENT-3,041,587	c 14	N70-33179*	US-PATENT-3,165,356	c 05	N70-35152* #	US-PATENT-3,212,325	c 14	N70-34705* #
US-PATENT-3,041,824	c 14	N70-33254*	US-PATENT-3,166,834	c 15	N70-36901* #	US-PATENT-3,212,564	c 33	N71-29052* #
US-PATENT-3,045,424	c 28	N70-40367* #	US-PATENT-3,167,426	c 17	N70-36816* #	US-PATENT-3,215,313	c 31	N79-21225* #
US-PATENT-3,048,876	c 28	N70-33284*	US-PATENT-3,168,827	c 14	N70-36807* #	US-PATENT-3,215,572	c 12	N70-40124* #
US-PATENT-3,053,484	c 02	N70-33255*	US-PATENT-3,169,001	c 02	N70-36825* #	US-PATENT-3,215,842	c 16	N71-28963* #
US-PATENT-3,057,597	c 15	N70-33264*	US-PATENT-3,169,613	c 15	N70-36947* #	US-PATENT-3,216,007	c 08	N70-40125* #
US-PATENT-3,059,220	c 09	N70-33182*	US-PATENT-3,169,725	c 31	N70-34296* #	US-PATENT-3,217,624	c 14	N70-40273* #
US-PATENT-3,063,291	c 11	N70-33278*	US-PATENT-3,170,286	c 15	N70-36535* #	US-PATENT-3,218,479	c 09	N70-40272* #
US-PATENT-3,064,928	c 02	N70-33266*	US-PATENT-3,170,290	c 28	N70-36910* #	US-PATENT-3,218,547	c 09	N70-40123* #
US-PATENT-3,067,573	c 28	N70-39899* #	US-PATENT-3,170,295	c 27	N71-28929*	US-PATENT-3,218,850	c 14	N70-40400* #
US-PATENT-3,068,658	c 15	N70-34247* #	US-PATENT-3,170,324	c 14	N70-36824* #	US-PATENT-3,219,250	c 15	N70-40204* #
US-PATENT-3,069,123	c 14	N70-39898* #	US-PATENT-3,170,471	c 32	N70-36536* #	US-PATENT-3,219,365	c 15	N71-28937* #
US-PATENT-3,070,330	c 21	N70-34539* #	US-PATENT-3,170,486	c 15	N70-36492* #	US-PATENT-3,219,997	c 08	N73-28045* #
US-PATENT-3,070,349	c 28	N70-39895* #	US-PATENT-3,170,605	c 15	N70-38996* #	US-PATENT-3,220,004	c 30	N70-40309* #
US-PATENT-3,070,407	c 15	N70-39896* #	US-PATENT-3,170,657	c 02	N70-34858* #	US-PATENT-3,221,547	c 14	N70-40201* #
US-PATENT-3,072,574	c 18	N70-39897* #	US-PATENT-3,170,660	c 02	N70-36804* #	US-PATENT-3,221,596	c 14	N70-40157* #
US-PATENT-3,076,065	c 09	N70-39915* #	US-PATENT-3,170,773	c 17	N70-33288*	US-PATENT-3,223,374	c 15	N70-40156* #
US-PATENT-3,077,599	c 07	N70-40202* #	US-PATENT-3,171,060	c 25	N70-33267*	US-PATENT-3,224,001	c 07	N70-40063* #
US-PATENT-3,079,113	c 02	N70-38009* #	US-PATENT-3,171,081	c 14	N70-35666* #	US-PATENT-3,224,173	c 15	N70-40062* #
US-PATENT-3,080,711	c 28	N70-38711* #	US-PATENT-3,172,097	c 08	N70-35423* #	US-PATENT-3,224,263	c 15	N70-40180* #
US-PATENT-3,083,611	c 21	N70-35427* #	US-PATENT-3,173,246	c 28	N70-33265*	US-PATENT-3,224,336	c 30	N70-40353* #
US-PATENT-3,084,421	c 17	N70-38490* #	US-PATENT-3,173,251	c 28	N70-33375*	US-PATENT-3,224,337	c 09	N79-21084* #
US-PATENT-3,085,165	c 09	N70-34819* #	US-PATENT-3,173,801	c 32	N79-19186* #	US-PATENT-3,228,492	c 15	N70-40354* #
US-PATENT-3,087,692	c 02	N70-34178* #	US-PATENT-3,174,278	c 25	N70-36946* #	US-PATENT-3,228,558	c 14	N70-40233* #
US-PATENT-3,088,441	c 15	N70-35409* #	US-PATENT-3,174,279	c 28	N70-36808* #	US-PATENT-3,229,099	c 14	N70-40238* #
US-PATENT-3,090,212	c 33	N70-37979* #	US-PATENT-3,174,827	c 26	N70-36805* #	US-PATENT-3,229,102	c 14	N70-40239* #
US-PATENT-3,090,580	c 31	N70-37924* #	US-PATENT-3,175,789	c 31	N70-36654* #	US-PATENT-3,229,139	c 28	N70-39925* #
US-PATENT-3,093,000	c 15	N70-37925* #	US-PATENT-3,176,222	c 14	N70-36618* #	US-PATENT-3,229,155	c 25	N70-41628* #
US-PATENT-3,093,346	c 31	N70-37938* #	US-PATENT-3,176,499	c 14	N70-35368* #	US-PATENT-3,229,463	c 28	N70-39931* #
US-PATENT-3,098,630	c 02	N70-37939* #	US-PATENT-3,176,933	c 33	N70-36617* #	US-PATENT-3,229,636	c 14	N70-40003* #
US-PATENT-3,100,294	c 09	N70-38998* #	US-PATENT-3,177,933	c 33	N70-36847* #	US-PATENT-3,229,658	c 03	N70-39930* #
US-PATENT-3,100,990	c 14	N70-34813* #	US-PATENT-3,178,883	c 21	N70-36938* #	US-PATENT-3,229,682	c 09	N70-40234* #
US-PATENT-3,102,948	c 15	N70-34814* #	US-PATENT-3,180,264	c 33	N70-36846* #	US-PATENT-3,229,689	c 05	N70-39922* #

REPORT NUMBER INDEX

US-PATENT-3,341,977

US-PATENT-3,229,884	c 15	N70-39924* #	US-PATENT-3,281,558	c 33	N75-27249* #	US-PATENT-3,310,699	c 14	N73-32324* #
US-PATENT-3,229,905	c 04	N78-17031* #	US-PATENT-3,281,963	c 11	N71-10746* #	US-PATENT-3,310,765	c 33	N79-21264* #
US-PATENT-3,229,930	c 30	N70-40016* #	US-PATENT-3,281,964	c 11	N71-10776* #	US-PATENT-3,310,978	c 14	N71-10616* #
US-PATENT-3,230,053	c 26	N70-40015* #	US-PATENT-3,281,965	c 11	N71-10748* #	US-PATENT-3,310,980	c 11	N71-10604* #
US-PATENT-3,233,862	c 37	N79-33469* #	US-PATENT-3,282,035	c 11	N71-10777* #	US-PATENT-3,311,315	c 07	N71-10609* #
US-PATENT-3,236,066	c 15	N71-28959* #	US-PATENT-3,282,091	c 14	N71-10781* #	US-PATENT-3,311,502	c 03	N71-10608* #
US-PATENT-3,237,253	c 15	N71-15966* #	US-PATENT-3,282,532	c 31	N71-17729* #	US-PATENT-3,311,510	c 26	N71-10607* #
US-PATENT-3,238,345	c 11	N71-15925* #	US-PATENT-3,282,739	c 31	N71-24750* #	US-PATENT-3,311,571	c 27	N79-21190* #
US-PATENT-3,238,413	c 25	N71-29184* #	US-PATENT-3,282,740	c 03	N71-11053* #	US-PATENT-3,311,748	c 21	N71-10678* #
US-PATENT-3,238,715	c 28	N71-14043* #	US-PATENT-3,282,740	c 03	N71-11051* #	US-PATENT-3,311,772	c 09	N71-10618* #
US-PATENT-3,238,730	c 03	N71-12260* #	US-PATENT-3,283,088	c 10	N71-15909* #	US-PATENT-3,311,832	c 07	N71-10775* #
US-PATENT-3,238,774	c 14	N71-14996* #	US-PATENT-3,283,175	c 10	N71-15910* #	US-PATENT-3,312,101	c 14	N71-10774* #
US-PATENT-3,238,777	c 14	N71-15598* #	US-PATENT-3,283,241	c 14	N71-16014* #	US-PATENT-3,313,204	c 28	N73-24783* #
US-PATENT-3,239,660	c 23	N71-30292* #	US-PATENT-3,286,274	c 05	N71-12335* #	US-PATENT-3,316,716	c 28	N71-10780* #
US-PATENT-3,242,716	c 14	N71-15992* #	US-PATENT-3,286,531	c 30	N71-17788* #	US-PATENT-3,316,752	c 14	N71-10779* #
US-PATENT-3,243,154	c 23	N71-15673* #	US-PATENT-3,286,629	c 31	N71-17730* #	US-PATENT-3,316,991	c 14	N71-10773* #
US-PATENT-3,243,791	c 07	N71-11298* #	US-PATENT-3,286,630	c 31	N71-10582* #	US-PATENT-3,317,180	c 15	N71-10778* #
US-PATENT-3,244,943	c 15	N73-28516* #	US-PATENT-3,286,882	c 27	N71-29155* #	US-PATENT-3,317,341	c 18	N71-10772* #
US-PATENT-3,249,012	c 03	N71-12258* #	US-PATENT-3,286,953	c 21	N70-41856* #	US-PATENT-3,317,352	c 03	N71-10728* #
US-PATENT-3,249,013	c 03	N71-12259* #	US-PATENT-3,286,957	c 02	N70-41863* #	US-PATENT-3,317,641	c 15	N71-10672* #
US-PATENT-3,251,053	c 08	N71-12501* #	US-PATENT-3,287,031	c 15	N70-41808* #	US-PATENT-3,317,731	c 21	N71-10771* #
US-PATENT-3,252,100	c 10	N71-28960* #	US-PATENT-3,287,174	c 03	N70-41864* #	US-PATENT-3,317,751	c 09	N71-10673* #
US-PATENT-3,254,395	c 28	N71-15658* #	US-PATENT-3,287,496	c 14	N70-41807* #	US-PATENT-3,317,797	c 10	N71-28783* #
US-PATENT-3,254,487	c 28	N71-15659* #	US-PATENT-3,287,582	c 28	N70-41578* #	US-PATENT-3,317,832	c 09	N71-10659* #
US-PATENT-3,257,780	c 15	N71-15968* #	US-PATENT-3,287,640	c 09	N70-41655* #	US-PATENT-3,318,093	c 15	N71-10658* #
US-PATENT-3,258,582	c 02	N71-13421* #	US-PATENT-3,287,660	c 16	N70-41578* #	US-PATENT-3,318,096	c 28	N71-28849* #
US-PATENT-3,258,687	c 14	N71-15962* #	US-PATENT-3,287,725	c 07	N70-41680* #	US-PATENT-3,318,343	c 15	N71-10809* #
US-PATENT-3,258,831	c 15	N71-15986* #	US-PATENT-3,289,205	c 07	N70-41678* #	US-PATENT-3,318,622	c 15	N71-10799* #
US-PATENT-3,258,912	c 27	N71-15634* #	US-PATENT-3,295,360	c 14	N70-41681* #	US-PATENT-3,319,175	c 09	N71-10798* #
US-PATENT-3,258,918	c 27	N71-15635* #	US-PATENT-3,295,366	c 11	N70-41677* #	US-PATENT-3,319,979	c 15	N71-10782* #
US-PATENT-3,260,055	c 23	N71-15467* #	US-PATENT-3,295,377	c 14	N70-41682* #	US-PATENT-3,320,669	c 15	N70-42017* #
US-PATENT-3,260,204	c 31	N71-15692* #	US-PATENT-3,295,386	c 05	N70-41581* #	US-PATENT-3,321,034	c 15	N70-42034* #
US-PATENT-3,260,326	c 11	N71-28779* #	US-PATENT-3,295,512	c 03	N70-41580* #	US-PATENT-3,321,154	c 31	N70-42075* #
US-PATENT-3,261,210	c 14	N71-15969* #	US-PATENT-3,295,545	c 15	N70-41646* #	US-PATENT-3,321,157	c 02	N70-42016* #
US-PATENT-3,262,025	c 15	N73-32361* #	US-PATENT-3,295,556	c 32	N70-41579* #	US-PATENT-3,321,159	c 31	N70-42015* #
US-PATENT-3,262,186	c 15	N71-16052* #	US-PATENT-3,295,594	c 54	N82-29002* #	US-PATENT-3,321,570	c 15	N70-41960* #
US-PATENT-3,262,262	c 28	N71-15661* #	US-PATENT-3,295,684	c 28	N70-41447* #	US-PATENT-3,321,628	c 10	N70-41991* #
US-PATENT-3,262,351	c 15	N71-15922* #	US-PATENT-3,295,699	c 32	N70-41367* #	US-PATENT-3,321,645	c 10	N70-42032* #
US-PATENT-3,262,365	c 31	N71-15675* #	US-PATENT-3,295,782	c 14	N70-41647* #	US-PATENT-3,321,922	c 28	N70-41992* #
US-PATENT-3,262,395	c 15	N71-30028* #	US-PATENT-3,295,790	c 31	N70-41588* #	US-PATENT-3,323,356	c 15	N70-41993* #
US-PATENT-3,262,518	c 05	N71-11199* #	US-PATENT-3,295,798	c 02	N70-41589* #	US-PATENT-3,323,362	c 14	N70-41994* #
US-PATENT-3,262,655	c 31	N71-15663* #	US-PATENT-3,295,808	c 15	N70-41310* #	US-PATENT-3,323,370	c 05	N70-42000* #
US-PATENT-3,262,694	c 44	N79-19447* #	US-PATENT-3,296,060	c 18	N70-41583* #	US-PATENT-3,323,386	c 03	N70-42073* #
US-PATENT-3,263,016	c 33	N71-15625* #	US-PATENT-3,296,526	c 14	N70-41332* #	US-PATENT-3,323,408	c 14	N70-41955* #
US-PATENT-3,263,171	c 09	N71-13530* #	US-PATENT-3,296,531	c 07	N70-41331* #	US-PATENT-3,323,484	c 14	N70-42074* #
US-PATENT-3,263,610	c 15	N71-13789* #	US-PATENT-3,298,175	c 33	N71-29053* #	US-PATENT-3,323,967	c 15	N70-42033* #
US-PATENT-3,264,135	c 15	N71-16075* #	US-PATENT-3,298,182	c 28	N70-41311* #	US-PATENT-3,324,370	c 09	N71-10677* #
US-PATENT-3,270,441	c 11	N71-16028* #	US-PATENT-3,298,221	c 14	N70-41330* #	US-PATENT-3,324,388	c 14	N71-10797* #
US-PATENT-3,270,499	c 28	N71-15660* #	US-PATENT-3,298,285	c 32	N70-41370* #	US-PATENT-3,324,423	c 07	N71-10676* #
US-PATENT-3,270,501	c 31	N71-15647* #	US-PATENT-3,298,362	c 05	N70-41329* #	US-PATENT-3,324,659	c 28	N71-10574* #
US-PATENT-3,270,503	c 33	N71-15623* #	US-PATENT-3,298,582	c 14	N71-28935* #	US-PATENT-3,325,229	c 15	N71-10617* #
US-PATENT-3,270,504	c 31	N71-15637* #	US-PATENT-3,299,364	c 16	N71-15550* #	US-PATENT-3,325,723	c 10	N71-10578* #
US-PATENT-3,270,505	c 21	N71-15582* #	US-PATENT-3,299,431	c 07	N71-28979* #	US-PATENT-3,325,749	c 09	N71-28810* #
US-PATENT-3,270,512	c 15	N71-15906* #	US-PATENT-3,299,913	c 15	N71-15918* #	US-PATENT-3,326,043	c 14	N71-10500* #
US-PATENT-3,270,565	c 14	N71-30265* #	US-PATENT-3,300,162	c 31	N70-41373* #	US-PATENT-3,326,407	c 15	N71-10577* #
US-PATENT-3,270,566	c 15	N71-15967* #	US-PATENT-3,300,731	c 07	N70-41372* #	US-PATENT-3,327,298	c 08	N71-21042* #
US-PATENT-3,270,752	c 33	N71-24876* #	US-PATENT-3,300,847	c 15	N70-41371* #	US-PATENT-3,327,991	c 15	N71-21234* #
US-PATENT-3,270,802	c 28	N70-41582* #	US-PATENT-3,300,949	c 05	N70-41297* #	US-PATENT-3,328,624	c 28	N71-28850* #
US-PATENT-3,270,835	c 31	N71-15664* #	US-PATENT-3,300,981	c 28	N70-41275* #	US-PATENT-3,329,375	c 21	N71-21708* #
US-PATENT-3,270,908	c 21	N71-15583* #	US-PATENT-3,301,046	c 14	N70-41366* #	US-PATENT-3,329,918	c 09	N71-21583* #
US-PATENT-3,270,986	c 05	N71-12336* #	US-PATENT-3,301,315	c 09	N70-41717* #	US-PATENT-3,330,052	c 11	N71-21474* #
US-PATENT-3,270,988	c 01	N71-13410* #	US-PATENT-3,301,507	c 31	N70-41631* #	US-PATENT-3,330,082	c 15	N71-21531* #
US-PATENT-3,270,989	c 02	N71-11041* #	US-PATENT-3,301,511	c 02	N70-41630* #	US-PATENT-3,330,510	c 31	N71-28851* #
US-PATENT-3,270,990	c 28	N71-15563* #	US-PATENT-3,301,578	c 15	N70-41629* #	US-PATENT-3,330,549	c 15	N71-21530* #
US-PATENT-3,271,140	c 17	N71-15644* #	US-PATENT-3,302,023	c 14	N70-41676* #	US-PATENT-3,331,071	c 07	N71-28900* #
US-PATENT-3,271,181	c 15	N71-16077* #	US-PATENT-3,302,040	c 09	N70-41675* #	US-PATENT-3,331,246	c 11	N71-21475* #
US-PATENT-3,271,532	c 09	N71-16089* #	US-PATENT-3,302,569	c 15	N70-41679* #	US-PATENT-3,331,255	c 15	N71-21529* #
US-PATENT-3,271,558	c 15	N71-15871* #	US-PATENT-3,302,633	c 05	N70-41819* #	US-PATENT-3,331,404	c 12	N71-21089* #
US-PATENT-3,271,594	c 10	N71-28739* #	US-PATENT-3,302,662	c 15	N70-41811* #	US-PATENT-3,331,951	c 21	N71-21688* #
US-PATENT-3,271,620	c 09	N71-12540* #	US-PATENT-3,302,960	c 15	N70-41829* #	US-PATENT-3,333,152	c 25	N71-21693* #
US-PATENT-3,271,637	c 26	N71-18064* #	US-PATENT-3,303,304	c 14	N70-41812* #	US-PATENT-3,333,788	c 31	N71-21881* #
US-PATENT-3,271,649	c 10	N71-16030* #	US-PATENT-3,304,028	c 31	N70-41855* #	US-PATENT-3,334,225	c 14	N73-32325* #
US-PATENT-3,273,094	c 23	N71-29049* #	US-PATENT-3,304,718	c 28	N70-41922* #	US-PATENT-3,336,725	c 15	N71-21528* #
US-PATENT-3,273,355	c 33	N71-17897* #	US-PATENT-3,304,724	c 31	N70-41948* #	US-PATENT-3,336,748	c 25	N71-21694* #
US-PATENT-3,273,381	c 32	N71-17645* #	US-PATENT-3,304,729	c 31	N70-41871* #	US-PATENT-3,336,754	c 28	N71-22983* #
US-PATENT-3,273,388	c 09	N71-16086* #	US-PATENT-3,304,768	c 32	N70-42003* #	US-PATENT-3,337,004	c 14	N71-23092* #
US-PATENT-3,273,392	c 23	N71-17802* #	US-PATENT-3,304,773	c 14	N70-41957* #	US-PATENT-3,337,279	c 05	N71-23080* #
US-PATENT-3,273,399	c 12	N71-24692* #	US-PATENT-3,304,799	c 03	N70-41954* #	US-PATENT-3,337,315	c 18	N71-23088* #
US-PATENT-3,274,304	c 26	N71-17818* #	US-PATENT-3,304,865	c 28	N70-41967* #	US-PATENT-3,337,337	c 18	N71-22894* #
US-PATENT-3,275,794	c 37	N75-27376* #	US-PATENT-3,305,415	c 27	N70-41897* #	US-PATENT-3,337,790	c 12	N71-20896* #
US-PATENT-3,276,251	c 11	N71-15926* #	US-PATENT-3,305,636	c 08	N70-41961* #	US-PATENT-3,337,812	c 09	N71-23097* #
US-PATENT-3,276,376	c 31	N71-17629* #	US-PATENT-3,305,801	c 10	N70-41964* #	US-PATENT-3,339,404	c 14	N71-22765* #
US-PATENT-3,276,602	c 32	N71-17609* #	US-PATENT-3,305,810	c 09	N70-41929* #	US-PATENT-3,339,863	c 14	N71-23040* #
US-PATENT-3,276,679	c 15	N71-16079* #	US-PATENT-3,305,861	c 21	N70-41930* #	US-PATENT-3,340,099	c 03	N71-23006* #
US-PATENT-3,276,722	c 02	N71-16087* #	US-PATENT-3,305,870	c 07	N71-15907* #	US-PATENT-3,340,395	c 14	N71-23041* #
US-PATENT-3,276,726	c 31	N71-16081* #	US-PATENT-3,306,134	c 37	N78-17385* #	US-PATENT-3,340,397	c 11	N71-23042* #
US-PATENT-3,276,865	c 17	N71-16025* #	US-PATENT-3,308,848	c 12	N71-16031* #	US-PATENT-3,340,430	c 09	N71-22796* #
US-PATENT-3,276,866	c 17	N71-16026* #	US-PATENT-3,309,012	c 33	N71-17610* #	US-PATENT-3,340,532	c 10	N71-21473* #
US-PATENT-3,276,946	c 23	N71-15978* #	US-PATENT-3,309,961	c 15	N71-16078* #	US-PATENT-3,340,599	c 09	N71-23027* #
US-PATENT-3,277,314	c 10	N71-16042* #	US-PATENT-3,310,054	c 08	N71-15908* #	US-PATENT-3,340,713	c 15	N71-22723* #
US-PATENT-3,277,366	c 10	N71-16057* #	US-PATENT-3,310,138	c 12	N71-16894* #	US-PATENT-3,340,732	c 02	N71-23007* #
US-PATENT-3,277,373	c 07	N71-16088* #	US-PATENT-3,310,256	c 31	N71-17679* #	US-PATENT-3,341,151	c 31	N71-23009* #
US-PATENT-3,277,375	c 07	N71-11284* #	US-PATENT-3,310,258	c 31	N71-17691* #	US-PATENT-3,341,169	c 15	N71-23024* #

US-PATENT-3,342,055	c 15	N71-22797*	US-PATENT-3,373,069	c 15	N71-23052*	US-PATENT-3,402,265	c 09	N73-28084* #
US-PATENT-3,342,066	c 11	N71-23030*	US-PATENT-3,373,404	c 08	N71-22749*	US-PATENT-3,404,289	c 09	N71-23545*
US-PATENT-3,342,653	c 15	N71-22713*	US-PATENT-3,373,430	c 09	N71-22888*	US-PATENT-3,404,348	c 32	N74-22096* #
US-PATENT-3,343,180	c 05	N71-23159*	US-PATENT-3,373,431	c 07	N71-22750*	US-PATENT-3,405,406	c 05	N71-23161*
US-PATENT-3,343,189	c 05	N71-22748*	US-PATENT-3,373,640	c 15	N71-22722*	US-PATENT-3,405,887	c 31	N71-24315*
US-PATENT-3,344,340	c 09	N71-21449*	US-PATENT-3,373,914	c 15	N71-23050*	US-PATENT-3,406,336	c 10	N71-24863*
US-PATENT-3,344,425	c 10	N71-21483*	US-PATENT-3,374,339	c 08	N71-22897*	US-PATENT-3,406,742	c 33	N71-24276*
US-PATENT-3,345,820	c 28	N71-21822*	US-PATENT-3,374,366	c 09	N71-23015*	US-PATENT-3,407,304	c 14	N71-23227*
US-PATENT-3,345,822	c 27	N71-21819*	US-PATENT-3,374,830	c 33	N71-22890*	US-PATENT-3,408,816	c 28	N71-24736*
US-PATENT-3,345,840	c 15	N71-21536*	US-PATENT-3,375,451	c 10	N71-22986*	US-PATENT-3,408,870	c 14	N71-23227*
US-PATENT-3,345,866	c 11	N71-21481*	US-PATENT-3,375,479	c 15	N71-23049*	US-PATENT-3,409,247	c 33	N71-28903*
US-PATENT-3,346,419	c 03	N71-20895*	US-PATENT-3,375,712	c 35	N75-29382* #	US-PATENT-3,409,252	c 15	N71-23255*
US-PATENT-3,346,442	c 18	N71-21651*	US-PATENT-3,375,885	c 15	N73-32362* #	US-PATENT-3,409,554	c 26	N71-23292*
US-PATENT-3,346,515	c 06	N71-20905*	US-PATENT-3,376,730	c 14	N71-22995*	US-PATENT-3,409,730	c 33	N71-24145*
US-PATENT-3,346,724	c 15	N71-21179*	US-PATENT-3,377,208	c 14	N71-23039*	US-PATENT-3,411,356	c 14	N71-23226*
US-PATENT-3,346,806	c 14	N71-21090*	US-PATENT-3,377,845	c 14	N71-22992*	US-PATENT-3,411,900	c 26	N75-27126* #
US-PATENT-3,346,929	c 15	N71-21076*	US-PATENT-3,378,315	c 15	N71-22997*	US-PATENT-3,412,559	c 28	N71-23293*
US-PATENT-3,347,046	c 33	N71-21507*	US-PATENT-3,378,657	c 33	N79-33392* #	US-PATENT-3,412,598	c 14	N71-23225*
US-PATENT-3,347,309	c 33	N71-29046*	US-PATENT-3,378,851	c 05	N71-23096*	US-PATENT-3,412,729	c 04	N71-23185*
US-PATENT-3,347,465	c 18	N71-21068*	US-PATENT-3,378,892	c 15	N71-22994*	US-PATENT-3,412,961	c 32	N71-23971*
US-PATENT-3,347,466	c 28	N71-21493*	US-PATENT-3,379,052	c 14	N73-32321* #	US-PATENT-3,413,115	c 17	N71-23365*
US-PATENT-3,347,531	c 15	N71-21177*	US-PATENT-3,379,064	c 14	N71-23093*	US-PATENT-3,413,393	c 17	N71-29137*
US-PATENT-3,347,665	c 17	N71-20743*	US-PATENT-3,379,330	c 23	N71-22881*	US-PATENT-3,413,510	c 09	N71-23190*
US-PATENT-3,348,048	c 14	N71-21088*	US-PATENT-3,379,685	c 09	N71-22985*	US-PATENT-3,413,536	c 03	N71-24605*
US-PATENT-3,348,053	c 10	N71-20782*	US-PATENT-3,379,974	c 14	N71-22990*	US-PATENT-3,414,012	c 09	N71-23191*
US-PATENT-3,348,152	c 10	N71-20841*	US-PATENT-3,380,042	c 07	N71-23001*	US-PATENT-3,414,358	c 14	N71-23175*
US-PATENT-3,348,218	c 10	N71-29135*	US-PATENT-3,380,049	c 10	N71-23099*	US-PATENT-3,415,032	c 15	N71-23256*
US-PATENT-3,349,814	c 33	N71-20834*	US-PATENT-3,381,339	c 06	N71-22975*	US-PATENT-3,415,069	c 15	N71-24044*
US-PATENT-3,350,033	c 14	N71-21082*	US-PATENT-3,381,517	c 09	N71-22988*	US-PATENT-3,415,116	c 14	N71-23790*
US-PATENT-3,350,034	c 31	N71-21064*	US-PATENT-3,381,527	c 15	N71-22878*	US-PATENT-3,415,126	c 21	N71-23289*
US-PATENT-3,350,643	c 07	N71-20791*	US-PATENT-3,381,569	c 21	N71-22880*	US-PATENT-3,415,156	c 15	N71-24043*
US-PATENT-3,350,671	c 09	N71-20842*	US-PATENT-3,381,778	c 15	N71-22877*	US-PATENT-3,415,643	c 17	N71-23248*
US-PATENT-3,350,926	c 14	N71-21091*	US-PATENT-3,382,082	c 18	N71-22998*	US-PATENT-3,416,106	c 09	N71-24808*
US-PATENT-3,352,157	c 14	N71-21072*	US-PATENT-3,382,105	c 03	N71-29044*	US-PATENT-3,416,274	c 31	N71-24035*
US-PATENT-3,352,192	c 15	N71-21489*	US-PATENT-3,382,107	c 03	N71-22974*	US-PATENT-3,416,939	c 18	N71-24183*
US-PATENT-3,352,774	c 37	N80-14395* #	US-PATENT-3,382,714	c 14	N71-22989*	US-PATENT-3,416,975	c 17	N71-23828*
US-PATENT-3,353,359	c 28	N71-20942*	US-PATENT-3,383,461	c 07	N71-23026*	US-PATENT-3,416,988	c 15	N71-24164*
US-PATENT-3,354,098	c 06	N71-20717*	US-PATENT-3,383,524	c 10	N71-23029*	US-PATENT-3,417,247	c 14	N71-23797*
US-PATENT-3,354,320	c 23	N71-21821*	US-PATENT-3,383,903	c 14	N71-23036*	US-PATENT-3,417,266	c 09	N71-23270*
US-PATENT-3,354,462	c 14	N71-21006*	US-PATENT-3,383,922	c 14	N71-22752*	US-PATENT-3,417,298	c 10	N71-23271*
US-PATENT-3,355,861	c 18	N71-20742*	US-PATENT-3,384,016	c 31	N71-23008*	US-PATENT-3,417,316	c 14	N71-23174*
US-PATENT-3,355,948	c 14	N71-21007*	US-PATENT-3,384,075	c 05	N71-22896*	US-PATENT-3,417,321	c 09	N71-23316*
US-PATENT-3,356,320	c 05	N71-20718*	US-PATENT-3,384,111	c 15	N71-22706*	US-PATENT-3,417,332	c 07	N71-23405*
US-PATENT-3,356,549	c 15	N71-21404*	US-PATENT-3,384,324	c 33	N71-22792*	US-PATENT-3,417,399	c 30	N71-23723*
US-PATENT-3,356,885	c 25	N71-20747*	US-PATENT-3,384,820	c 09	N71-23021*	US-PATENT-3,417,400	c 07	N71-28809*
US-PATENT-3,356,917	c 33	N79-21265* #	US-PATENT-3,384,895	c 07	N71-22984*	US-PATENT-3,418,329	c 14	N71-23268*
US-PATENT-3,357,024	c 12	N71-20815*	US-PATENT-3,385,036	c 15	N71-22721*	US-PATENT-3,418,363	c 18	N71-23710*
US-PATENT-3,357,093	c 15	N71-21078*	US-PATENT-3,385,337	c 15	N71-22799*	US-PATENT-3,419,384	c 17	N73-28573* #
US-PATENT-3,357,237	c 33	N71-21586*	US-PATENT-3,386,685	c 31	N71-22968*	US-PATENT-3,419,433	c 03	N71-23187*
US-PATENT-3,357,862	c 03	N71-20904*	US-PATENT-3,386,686	c 31	N71-22969*	US-PATENT-3,419,531	c 27	N79-21191* #
US-PATENT-3,358,264	c 09	N71-20851*	US-PATENT-3,387,149	c 14	N71-22993*	US-PATENT-3,419,537	c 06	N71-23500*
US-PATENT-3,359,046	c 15	N71-20739*	US-PATENT-3,387,218	c 37	N78-17386* #	US-PATENT-3,419,827	c 09	N71-23548*
US-PATENT-3,359,132	c 09	N71-20705*	US-PATENT-3,388,258	c 14	N71-22996*	US-PATENT-3,419,964	c 14	N69-21363* #
US-PATENT-3,359,409	c 07	N71-21476*	US-PATENT-3,388,387	c 10	N71-23033*	US-PATENT-3,419,992	c 14	N71-23401*
US-PATENT-3,359,435	c 15	N71-21311*	US-PATENT-3,388,590	c 14	N71-23087*	US-PATENT-3,420,069	c 15	N69-21465* #
US-PATENT-3,359,555	c 09	N71-20884*	US-PATENT-3,389,017	c 15	N71-23022*	US-PATENT-3,420,223	c 05	N69-21925* #
US-PATENT-3,359,568	c 54	N78-17680* #	US-PATENT-3,389,260	c 14	N71-23269*	US-PATENT-3,420,225	c 05	N69-21473* #
US-PATENT-3,359,819	c 15	N71-21744*	US-PATENT-3,389,346	c 10	N71-28859*	US-PATENT-3,420,253	c 12	N69-21466* #
US-PATENT-3,359,855	c 23	N71-21882*	US-PATENT-3,389,877	c 15	N71-28936*	US-PATENT-3,420,338	c 15	N71-26243*
US-PATENT-3,360,798	c 09	N71-20658*	US-PATENT-3,390,017	c 03	N71-23336*	US-PATENT-3,420,471	c 05	N69-21380* #
US-PATENT-3,360,864	c 14	N71-24693*	US-PATENT-3,390,020	c 26	N71-23654*	US-PATENT-3,420,704	c 15	N69-21460* #
US-PATENT-3,360,972	c 15	N71-24833*	US-PATENT-3,390,023	c 26	N75-29236* #	US-PATENT-3,420,945	c 09	N69-21542* #
US-PATENT-3,360,980	c 14	N71-20741*	US-PATENT-3,390,282	c 09	N71-23311*	US-PATENT-3,420,978	c 15	N69-21471* #
US-PATENT-3,360,988	c 09	N71-20816*	US-PATENT-3,390,378	c 08	N71-23295*	US-PATENT-3,421,004	c 14	N71-19568*
US-PATENT-3,361,045	c 15	N71-21060*	US-PATENT-3,390,528	c 20	N79-21124* #	US-PATENT-3,421,053	c 15	N69-21472* #
US-PATENT-3,361,067	c 26	N71-21824*	US-PATENT-3,391,080	c 15	N71-24046*	US-PATENT-3,421,056	c 14	N69-23191* #
US-PATENT-3,361,400	c 15	N71-20813*	US-PATENT-3,392,403	c 23	N71-23976*	US-PATENT-3,421,105	c 09	N69-21543* #
US-PATENT-3,361,666	c 15	N71-21403*	US-PATENT-3,392,586	c 14	N71-24232*	US-PATENT-3,421,134	c 09	N69-21470* #
US-PATENT-3,361,985	c 10	N71-20852*	US-PATENT-3,392,864	c 18	N71-23658*	US-PATENT-3,421,331	c 15	N69-23190* #
US-PATENT-3,364,311	c 07	N71-20814*	US-PATENT-3,392,865	c 15	N71-23816*	US-PATENT-3,421,363	c 11	N69-21540* #
US-PATENT-3,364,366	c 09	N71-28926*	US-PATENT-3,392,936	c 01	N71-23497*	US-PATENT-3,421,506	c 05	N69-23192* #
US-PATENT-3,364,578	c 14	N71-21079*	US-PATENT-3,393,059	c 06	N71-23499*	US-PATENT-3,421,541	c 15	N69-21924* #
US-PATENT-3,364,631	c 32	N71-21045*	US-PATENT-3,393,330	c 22	N71-23599*	US-PATENT-3,421,549	c 03	N69-21469* #
US-PATENT-3,364,777	c 15	N71-20740*	US-PATENT-3,393,332	c 09	N71-23443*	US-PATENT-3,421,591	c 14	N69-21923* #
US-PATENT-3,364,813	c 09	N71-22999*	US-PATENT-3,393,347	c 10	N71-23543*	US-PATENT-3,421,700	c 15	N69-23185* #
US-PATENT-3,365,657	c 10	N71-22961*	US-PATENT-3,393,380	c 10	N71-23544*	US-PATENT-3,421,768	c 15	N69-21362* #
US-PATENT-3,365,665	c 14	N71-23037*	US-PATENT-3,393,384	c 09	N71-23573*	US-PATENT-3,421,864	c 17	N71-23046*
US-PATENT-3,365,897	c 33	N71-28892*	US-PATENT-3,394,286	c 14	N73-30391* #	US-PATENT-3,421,948	c 03	N69-21337* #
US-PATENT-3,365,930	c 14	N71-22964*	US-PATENT-3,394,359	c 08	N71-28925*	US-PATENT-3,422,213	c 03	N69-21539* #
US-PATENT-3,365,941	c 14	N71-22965*	US-PATENT-3,394,975	c 23	N71-30027*	US-PATENT-3,422,278	c 09	N69-21468* #
US-PATENT-3,366,886	c 10	N71-22962*	US-PATENT-3,395,053	c 18	N71-23047*	US-PATENT-3,422,291	c 25	N69-21929* #
US-PATENT-3,366,894	c 10	N71-23084*	US-PATENT-3,395,565	c 14	N73-30390* #	US-PATENT-3,422,324	c 14	N69-21541* #
US-PATENT-3,367,114	c 28	N71-23081*	US-PATENT-3,396,057	c 26	N71-23043*	US-PATENT-3,422,352	c 14	N71-19431*
US-PATENT-3,367,121	c 15	N71-23025*	US-PATENT-3,396,184	c 06	N71-28808*	US-PATENT-3,422,354	c 09	N69-21926* #
US-PATENT-3,367,182	c 33	N71-23085*	US-PATENT-3,396,303	c 09	N71-22987*	US-PATENT-3,422,390	c 09	N69-21927* #
US-PATENT-3,367,224	c 15	N71-22798*	US-PATENT-3,396,584	c 14	N71-30026*	US-PATENT-3,422,403	c 08	N69-21928* #
US-PATENT-3,367,271	c 15	N71-24042*	US-PATENT-3,396,719	c 52	N79-21750* #	US-PATENT-3,422,440	c 09	N69-21467* #
US-PATENT-3,367,308	c 11	N71-22875*	US-PATENT-3,396,920	c 31	N71-29050*	US-PATENT-3,423,179	c 15	N69-21922* #
US-PATENT-3,367,445	c 15	N71-23048*	US-PATENT-3,397,094	c 26	N71-29156*	US-PATENT-3,423,290	c 06	N71-17705*
US-PATENT-3,368,486	c 15	N71-22874*	US-PATENT-3,397,117	c 15	N71-23086*	US-PATENT-3,423,579	c 09	N71-19480*
US-PATENT-3,369,222	c 08	N71-22707*	US-PATENT-3,397,318	c 14	N71-22991*	US-PATENT-3,423,608	c 09	N69-21313* #
US-PATENT-3,369,223	c 08	N71-22710*	US-PATENT-3,397,512	c 15	N71-23023*	US-PATENT-3,423,627	c 33	N78-17293* #
US-PATENT-3,369,564	c 15	N71-23051*	US-PATENT-3,397,537	c 20	N79-21125* #	US-PATENT-3,424,966	c 10	N71-20448*
US-PATENT-3,370,039	c 06	N71-28807*	US-PATENT-3,397,932	c 15	N71-22982*	US-PATENT-3,425,131	c 15	N71-19489*
US-PATENT-3,372,588	c 33	N71-29051*	US-PATENT-3,399,299	c 10	N71-23662*	US-PATENT-3,425,268	c 14	N69-39975* #
US-PATENT-3,373,016	c 26	N75-27127* #	US-PATENT-3,399,574	c 32	N71-24285*	US-PATENT-3,425,272	c 14	N71-20439*

US-PATENT-3,425,276	c 14	N69-24257* #	US-PATENT-3,446,992	c 09	N69-39987* #	US-PATENT-3,470,043	c 15	N71-24047* #
US-PATENT-3,425,486	c 05	N71-24147* #	US-PATENT-3,446,997	c 03	N69-39988* #	US-PATENT-3,470,304	c 14	N71-23267* #
US-PATENT-3,425,487	c 05	N71-19439* #	US-PATENT-3,446,998	c 09	N69-39929* #	US-PATENT-3,470,313	c 07	N71-26579* #
US-PATENT-3,425,885	c 15	N69-24322* #	US-PATENT-3,447,003	c 09	N71-20446* #	US-PATENT-3,470,318	c 07	N71-24612* #
US-PATENT-3,426,219	c 09	N69-24317* #	US-PATENT-3,447,015	c 06	N69-39889* #	US-PATENT-3,470,342	c 09	N71-19610* #
US-PATENT-3,426,230	c 15	N69-24319* #	US-PATENT-3,447,071	c 25	N69-39884* #	US-PATENT-3,470,443	c 03	N71-23239* #
US-PATENT-3,426,263	c 03	N71-19438* #	US-PATENT-3,447,154	c 21	N71-11766* #	US-PATENT-3,470,446	c 09	N71-23188* #
US-PATENT-3,426,272	c 14	N69-39785* #	US-PATENT-3,447,155	c 09	N71-18598* #	US-PATENT-3,470,466	c 14	N71-23699* #
US-PATENT-3,426,746	c 05	N71-26293* #	US-PATENT-3,447,233	c 15	N69-39786* #	US-PATENT-3,470,475	c 10	N71-19467* #
US-PATENT-3,426,791	c 15	N71-19569* #	US-PATENT-3,447,774	c 15	N71-19485* #	US-PATENT-3,470,489	c 09	N71-23598* #
US-PATENT-3,427,047	c 15	N69-27490* #	US-PATENT-3,447,850	c 09	N71-18600* #	US-PATENT-3,470,495	c 10	N71-23669* #
US-PATENT-3,427,089	c 23	N69-24332* #	US-PATENT-3,448,273	c 07	N69-39736* #	US-PATENT-3,470,496	c 09	N71-19470* #
US-PATENT-3,427,093	c 09	N71-19479* #	US-PATENT-3,448,290	c 10	N71-23315* #	US-PATENT-3,471,856	c 30	N71-16090* #
US-PATENT-3,427,097	c 11	N69-24321* #	US-PATENT-3,448,341	c 09	N71-12526* #	US-PATENT-3,471,858	c 07	N71-12391* #
US-PATENT-3,427,205	c 15	N69-24320* #	US-PATENT-3,448,346	c 15	N71-18701* #	US-PATENT-3,472,019	c 10	N71-26326* #
US-PATENT-3,427,435	c 17	N69-25147* #	US-PATENT-3,450,842	c 07	N69-39978* #	US-PATENT-3,472,059	c 14	N71-23755* #
US-PATENT-3,427,454	c 05	N71-19440* #	US-PATENT-3,450,878	c 14	N71-20430* #	US-PATENT-3,472,060	c 14	N71-26136* #
US-PATENT-3,427,525	c 03	N69-21330* #	US-PATENT-3,450,946	c 09	N69-39897* #	US-PATENT-3,472,069	c 15	N71-20441* #
US-PATENT-3,428,761	c 09	N69-24329* #	US-PATENT-3,452,103	c 06	N73-30101* #	US-PATENT-3,472,080	c 10	N71-26339* #
US-PATENT-3,428,812	c 14	N69-27485* #	US-PATENT-3,452,423	c 26	N71-16037* #	US-PATENT-3,472,086	c 15	N71-23809* #
US-PATENT-3,428,847	c 15	N69-24266* #	US-PATENT-3,452,872	c 14	N69-39896* #	US-PATENT-3,472,140	c 14	N71-26474* #
US-PATENT-3,428,910	c 09	N69-24330* #	US-PATENT-3,453,172	c 15	N69-39735* #	US-PATENT-3,472,202	c 17	N71-24911* #
US-PATENT-3,428,919	c 07	N69-24334* #	US-PATENT-3,453,462	c 03	N69-39893* #	US-PATENT-3,472,372	c 15	N71-20440* #
US-PATENT-3,428,923	c 07	N69-27462* #	US-PATENT-3,453,546	c 05	N71-12342* #	US-PATENT-3,472,470	c 02	N71-20570* #
US-PATENT-3,429,058	c 12	N69-39988* #	US-PATENT-3,453,878	c 09	N79-21083* #	US-PATENT-3,472,577	c 23	N71-24857* #
US-PATENT-3,429,177	c 06	N69-39733* #	US-PATENT-3,454,410	c 18	N69-39979* #	US-PATENT-3,472,625	c 06	N71-23527* #
US-PATENT-3,429,177	c 15	N69-27502* #	US-PATENT-3,454,766	c 35	N75-27329* #	US-PATENT-3,472,629	c 14	N71-20442* #
US-PATENT-3,429,756	c 76	N79-21910* #	US-PATENT-3,455,121	c 14	N71-20427* #	US-PATENT-3,472,698	c 03	N71-23449* #
US-PATENT-3,430,063	c 09	N69-27500* #	US-PATENT-3,455,171	c 23	N71-16098* #	US-PATENT-3,472,709	c 18	N71-26153* #
US-PATENT-3,430,115	c 09	N69-24318* #	US-PATENT-3,456,112	c 14	N69-39937* #	US-PATENT-3,472,742	c 17	N71-24830* #
US-PATENT-3,430,131	c 24	N71-20518* #	US-PATENT-3,456,193	c 08	N71-19763* #	US-PATENT-3,472,998	c 16	N71-20400* #
US-PATENT-3,430,182	c 14	N69-27431* #	US-PATENT-3,456,201	c 09	N69-39885* #	US-PATENT-3,473,050	c 09	N71-20447* #
US-PATENT-3,430,227	c 08	N71-19687* #	US-PATENT-3,458,104	c 15	N71-20393* #	US-PATENT-3,473,116	c 25	N71-20583* #
US-PATENT-3,430,237	c 07	N69-39974* #	US-PATENT-3,458,313	c 14	N71-17574* #	US-PATENT-3,473,165	c 05	N71-26333* #
US-PATENT-3,430,460	c 15	N69-27505* #	US-PATENT-3,458,651	c 09	N71-19449* #	US-PATENT-3,473,216	c 15	N71-20443* #
US-PATENT-3,430,902	c 14	N69-27486* #	US-PATENT-3,458,702	c 14	N71-18699* #	US-PATENT-3,473,379	c 12	N71-26387* #
US-PATENT-3,430,909	c 11	N69-27466* #	US-PATENT-3,458,726	c 10	N69-39888* #	US-PATENT-3,473,758	c 03	N71-20273* #
US-PATENT-3,430,937	c 15	N69-27483* #	US-PATENT-3,458,833	c 10	N71-19418* #	US-PATENT-3,474,192	c 07	N71-26102* #
US-PATENT-3,430,942	c 15	N69-27504* #	US-PATENT-3,458,851	c 09	N69-39734* #	US-PATENT-3,474,220	c 15	N71-19486* #
US-PATENT-3,431,149	c 14	N69-27459* #	US-PATENT-3,459,391	c 03	N71-11058* #	US-PATENT-3,474,328	c 14	N71-26266* #
US-PATENT-3,431,397	c 15	N69-27871* #	US-PATENT-3,460,378	c 14	N71-24233* #	US-PATENT-3,474,357	c 09	N71-20445* #
US-PATENT-3,431,460	c 09	N71-23189* #	US-PATENT-3,460,379	c 15	N71-24834* #	US-PATENT-3,474,413	c 10	N71-26103* #
US-PATENT-3,431,559	c 09	N69-24333* #	US-PATENT-3,460,381	c 14	N71-23725* #	US-PATENT-3,474,441	c 08	N71-19544* #
US-PATENT-3,432,730	c 09	N69-27422* #	US-PATENT-3,460,397	c 15	N71-24045* #	US-PATENT-3,475,384	c 06	N73-30103* #
US-PATENT-3,433,015	c 28	N71-20330* #	US-PATENT-3,460,759	c 28	N71-23968* #	US-PATENT-3,475,442	c 26	N75-27125* #
US-PATENT-3,433,079	c 14	N69-27503* #	US-PATENT-3,460,781	c 14	N71-23698* #	US-PATENT-3,475,675	c 33	N78-17295* #
US-PATENT-3,433,662	c 14	N71-20461* #	US-PATENT-3,460,995	c 03	N71-20407* #	US-PATENT-3,478,514	c 37	N77-22479* #
US-PATENT-3,433,818	c 06	N71-23230* #	US-PATENT-3,461,290	c 14	N71-26475* #	US-PATENT-3,480,789	c 10	N71-26626* #
US-PATENT-3,433,909	c 10	N71-23663* #	US-PATENT-3,461,393	c 10	N71-26415* #	US-PATENT-3,481,638	c 15	N71-26312* #
US-PATENT-3,433,953	c 14	N69-27484* #	US-PATENT-3,461,437	c 10	N71-26434* #	US-PATENT-3,481,802	c 31	N79-21226* #
US-PATENT-3,433,960	c 16	N69-27491* #	US-PATENT-3,461,700	c 15	N71-26346* #	US-PATENT-3,481,887	c 18	N71-26155* #
US-PATENT-3,433,961	c 14	N69-27432* #	US-PATENT-3,461,721	c 12	N71-20436* #	US-PATENT-3,482,179	c 10	N71-26331* #
US-PATENT-3,434,033	c 09	N69-39984* #	US-PATENT-3,461,855	c 05	N71-20268* #	US-PATENT-3,483,535	c 10	N71-26418* #
US-PATENT-3,434,037	c 10	N71-26414* #	US-PATENT-3,463,001	c 14	N71-20429* #	US-PATENT-3,484,712	c 10	N71-26374* #
US-PATENT-3,434,050	c 09	N71-20569* #	US-PATENT-3,463,563	c 15	N71-23812* #	US-PATENT-3,485,290	c 20	N79-21123* #
US-PATENT-3,434,064	c 09	N69-39986* #	US-PATENT-3,463,673	c 03	N71-20491* #	US-PATENT-3,486,123	c 16	N71-24831* #
US-PATENT-3,434,855	c 18	N71-24184* #	US-PATENT-3,463,679	c 17	N71-24142* #	US-PATENT-3,487,216	c 14	N71-24809* #
US-PATENT-3,434,885	c 03	N71-20492* #	US-PATENT-3,463,761	c 06	N73-30099* #	US-PATENT-3,487,281	c 15	N71-24695* #
US-PATENT-3,435,246	c 14	N69-24331* #	US-PATENT-3,463,762	c 06	N73-30100* #	US-PATENT-3,487,288	c 10	N71-25139* #
US-PATENT-3,437,394	c 14	N69-27461* #	US-PATENT-3,463,939	c 10	N71-19471* #	US-PATENT-3,487,680	c 15	N71-17696* #
US-PATENT-3,437,527	c 03	N69-24267* #	US-PATENT-3,464,012	c 14	N71-26244* #	US-PATENT-3,487,765	c 54	N78-17679* #
US-PATENT-3,437,560	c 04	N69-27487* #	US-PATENT-3,464,016	c 10	N71-19472* #	US-PATENT-3,488,103	c 14	N71-15604* #
US-PATENT-3,437,818	c 03	N71-23354* #	US-PATENT-3,464,018	c 09	N71-23525* #	US-PATENT-3,488,123	c 14	N71-17627* #
US-PATENT-3,437,832	c 09	N69-27463* #	US-PATENT-3,464,049	c 32	N71-15974* #	US-PATENT-3,488,414	c 15	N71-17803* #
US-PATENT-3,437,874	c 08	N71-20571* #	US-PATENT-3,464,051	c 15	N71-17685* #	US-PATENT-3,488,461	c 09	N71-12518* #
US-PATENT-3,437,903	c 03	N69-25146* #	US-PATENT-3,465,482	c 31	N71-16080* #	US-PATENT-3,488,504	c 21	N71-15642* #
US-PATENT-3,437,919	c 14	N69-27423* #	US-PATENT-3,465,567	c 15	N71-18579* #	US-PATENT-3,488,771	c 54	N78-17678* #
US-PATENT-3,437,935	c 09	N69-24324* #	US-PATENT-3,465,569	c 14	N71-17659* #	US-PATENT-3,490,074	c 54	N78-17677* #
US-PATENT-3,437,959	c 07	N69-24323* #	US-PATENT-3,465,584	c 14	N71-23726* #	US-PATENT-3,490,130	c 05	N71-12345* #
US-PATENT-3,438,044	c 07	N69-27460* #	US-PATENT-3,465,638	c 11	N71-18578* #	US-PATENT-3,490,205	c 14	N71-17588* #
US-PATENT-3,438,263	c 14	N71-20435* #	US-PATENT-3,465,986	c 31	N71-20396* #	US-PATENT-3,490,235	c 28	N71-14044* #
US-PATENT-3,439,886	c 31	N69-27499* #	US-PATENT-3,466,052	c 15	N71-19570* #	US-PATENT-3,490,238	c 15	N70-22192* #
US-PATENT-3,440,419	c 14	N73-28491* #	US-PATENT-3,466,085	c 05	N71-12343* #	US-PATENT-3,490,405	c 15	N71-15597* #
US-PATENT-3,442,674	c 25	N82-29370* #	US-PATENT-3,466,198	c 03	N71-19545* #	US-PATENT-3,490,440	c 05	N71-12346* #
US-PATENT-3,443,128	c 03	N69-39890* #	US-PATENT-3,466,243	c 15	N71-23810* #	US-PATENT-3,490,718	c 33	N71-14035* #
US-PATENT-3,443,208	c 14	N71-20428* #	US-PATENT-3,466,418	c 15	N71-18613* #	US-PATENT-3,490,719	c 21	N71-14159* #
US-PATENT-3,443,384	c 28	N71-24321* #	US-PATENT-3,466,424	c 15	N71-20395* #	US-PATENT-3,490,721	c 02	N71-11039* #
US-PATENT-3,443,390	c 11	N71-24964* #	US-PATENT-3,466,459	c 09	N71-26000* #	US-PATENT-3,490,939	c 33	N71-14032* #
US-PATENT-3,443,412	c 15	N71-23811* #	US-PATENT-3,466,484	c 14	N71-18482* #	US-PATENT-3,490,965	c 09	N71-12513* #
US-PATENT-3,443,416	c 06	N69-39936* #	US-PATENT-3,466,560	c 09	N71-19466* #	US-PATENT-3,491,202	c 07	N71-12392* #
US-PATENT-3,443,472	c 15	N71-23254* #	US-PATENT-3,466,570	c 10	N71-25950* #	US-PATENT-3,491,255	c 09	N71-12514* #
US-PATENT-3,443,583	c 14	N71-18625* #	US-PATENT-3,467,837	c 05	N71-23317* #	US-PATENT-3,491,335	c 14	N71-15620* #
US-PATENT-3,443,584	c 32	N71-16106* #	US-PATENT-3,468,303	c 09	N71-26002* #	US-PATENT-3,491,857	c 14	N71-17626* #
US-PATENT-3,443,732	c 15	N71-15607* #	US-PATENT-3,468,548	c 15	N71-26294* #	US-PATENT-3,492,176	c 27	N71-14090* #
US-PATENT-3,443,773	c 31	N71-23912* #	US-PATENT-3,468,609	c 16	N71-24170* #	US-PATENT-3,492,672	c 05	N71-12344* #
US-PATENT-3,443,779	c 01	N69-39981* #	US-PATENT-3,468,727	c 14	N71-25892* #	US-PATENT-3,492,739	c 15	N71-15571* #
US-PATENT-3,444,051	c 05	N71-11207* #	US-PATENT-3,468,765	c 17	N71-25903* #	US-PATENT-3,492,858	c 35	N78-17358* #
US-PATENT-3,444,127	c 06	N71-11237* #	US-PATENT-3,469,068	c 15	N71-23815* #	US-PATENT-3,492,862	c 14	N71-15600* #
US-PATENT-3,444,375	c 14	N71-15599* #	US-PATENT-3,469,069	c 15	N71-23798* #	US-PATENT-3,492,947	c 28	N71-14058* #
US-PATENT-3,444,380	c 07	N69-39980* #	US-PATENT-3,469,087	c 16	N71-25914* #	US-PATENT-3,493,003	c 15	N71-15609* #
US-PATENT-3,446,075	c 14	N73-30394* #	US-PATENT-3,469,143	c 33	N75-29318* #	US-PATENT-3,493,004	c 12	N71-17579* #
US-PATENT-3,446,387	c 15	N69-39935* #	US-PATENT-3,469,289	c 15	N71-25975* #	US-PATENT-3,493,012	c 15	N71-15608* #
US-PATENT-3,446,558	c 16	N71-24074* #	US-PATENT-3,469,375	c 14	N71-18483* #	US-PATENT-3,493,027	c 31	N71-18611* #

US-PATENT-3,493,197	c 02	N71-11043* #	US-PATENT-3,516,970	c 06	N71-11239* #	US-PATENT-3,535,012	c 16	N71-15567* #
US-PATENT-3,493,291	c 14	N71-15622* #	US-PATENT-3,516,971	c 06	N71-24740* #	US-PATENT-3,535,013	c 16	N71-15551* #
US-PATENT-3,493,294	c 14	N71-15605* #	US-PATENT-3,517,109	c 07	N71-19436* #	US-PATENT-3,535,014	c 16	N71-15565* #
US-PATENT-3,493,401	c 18	N71-14014* #	US-PATENT-3,517,162	c 33	N71-16278* #	US-PATENT-3,535,024	c 14	N71-17662* #
US-PATENT-3,493,415	c 15	N71-15610* #	US-PATENT-3,517,171	c 08	N71-24633* #	US-PATENT-3,535,041	c 14	N71-17655* #
US-PATENT-3,493,437	c 03	N71-11056* #	US-PATENT-3,517,221	c 10	N71-19547* #	US-PATENT-3,535,110	c 17	N71-15468* #
US-PATENT-3,493,522	c 06	N71-11243* #	US-PATENT-3,517,268	c 10	N71-19469* #	US-PATENT-3,535,130	c 18	N71-15469* #
US-PATENT-3,493,524	c 06	N71-11242* #	US-PATENT-3,517,302	c 25	N71-16073* #	US-PATENT-3,535,165	c 33	N71-15568* #
US-PATENT-3,493,665	c 14	N71-15621* #	US-PATENT-3,517,318	c 08	N71-19432* #	US-PATENT-3,535,179	c 15	N71-17651* #
US-PATENT-3,493,677	c 07	N71-11300* #	US-PATENT-3,517,328	c 16	N71-18614* #	US-PATENT-3,535,352	c 18	N71-15688* #
US-PATENT-3,493,711	c 15	N71-14932* #	US-PATENT-3,518,232	c 06	N71-11235* #	US-PATENT-3,535,446	c 09	N71-12539* #
US-PATENT-3,493,746	c 15	N71-15606* #	US-PATENT-3,519,483	c 44	N82-24644* #	US-PATENT-3,535,451	c 07	N71-11281* #
US-PATENT-3,493,797	c 15	N71-17652* #	US-PATENT-3,519,484	c 44	N82-24643* #	US-PATENT-3,535,497	c 08	N71-24890* #
US-PATENT-3,493,805	c 09	N71-12521* #	US-PATENT-3,520,190	c 10	N71-13537* #	US-PATENT-3,535,543	c 09	N71-13486* #
US-PATENT-3,493,901	c 09	N71-12517* #	US-PATENT-3,520,238	c 14	N71-18465* #	US-PATENT-3,535,547	c 09	N71-12520* #
US-PATENT-3,493,929	c 08	N71-12505* #	US-PATENT-3,520,317	c 12	N71-17578* #	US-PATENT-3,535,554	c 09	N71-12516* #
US-PATENT-3,493,942	c 08	N71-12504* #	US-PATENT-3,520,496	c 31	N71-16345* #	US-PATENT-3,535,560	c 08	N71-12494* #
US-PATENT-3,495,260	c 21	N71-13958* #	US-PATENT-3,520,503	c 31	N71-16085* #	US-PATENT-3,535,562	c 33	N71-27862* #
US-PATENT-3,495,262	c 07	N71-12396* #	US-PATENT-3,520,617	c 23	N71-16101* #	US-PATENT-3,535,570	c 15	N71-24696* #
US-PATENT-3,498,840	c 44	N82-24642* #	US-PATENT-3,520,660	c 23	N71-16355* #	US-PATENT-3,535,586	c 25	N71-15562* #
US-PATENT-3,498,841	c 44	N82-24641* #	US-PATENT-3,521,054	c 06	N71-13461* #	US-PATENT-3,535,602	c 09	N71-13522* #
US-PATENT-3,500,020	c 01	N71-13411* #	US-PATENT-3,521,143	c 08	N71-18752* #	US-PATENT-3,535,642	c 08	N71-12503* #
US-PATENT-3,500,525	c 15	N71-17688* #	US-PATENT-3,521,290	c 31	N71-16102* #	US-PATENT-3,535,644	c 09	N71-12519* #
US-PATENT-3,500,677	c 14	N71-17584* #	US-PATENT-3,523,228	c 10	N71-24861* #	US-PATENT-3,535,657	c 07	N71-12390* #
US-PATENT-3,500,686	c 12	N71-17569* #	US-PATENT-3,526,030	c 15	N71-17686* #	US-PATENT-3,535,658	c 08	N71-12500* #
US-PATENT-3,500,688	c 14	N71-17587* #	US-PATENT-3,526,134	c 33	N71-16356* #	US-PATENT-3,535,683	c 31	N71-15566* #
US-PATENT-3,500,747	c 09	N71-18599* #	US-PATENT-3,526,139	c 31	N71-16221* #	US-PATENT-3,535,696	c 08	N71-12506* #
US-PATENT-3,500,827	c 05	N71-11203* #	US-PATENT-3,526,140	c 27	N71-16223* #	US-PATENT-3,535,702	c 09	N71-12515* #
US-PATENT-3,501,112	c 15	N71-17693* #	US-PATENT-3,526,359	c 33	N71-16357* #	US-PATENT-3,535,103	c 15	N71-19213* #
US-PATENT-3,501,632	c 27	N71-16348* #	US-PATENT-3,526,365	c 28	N71-16224* #	US-PATENT-3,537,096	c 08	N71-12507* #
US-PATENT-3,501,641	c 20	N71-16340* #	US-PATENT-3,526,372	c 31	N71-16346* #	US-PATENT-3,537,103	c 08	N71-24650* #
US-PATENT-3,501,648	c 10	N71-24799* #	US-PATENT-3,526,382	c 15	N71-17649* #	US-PATENT-3,537,107	c 05	N71-24730* #
US-PATENT-3,501,649	c 10	N71-18723* #	US-PATENT-3,526,460	c 23	N71-16365* #	US-PATENT-3,537,305	c 26	N71-25490* #
US-PATENT-3,501,664	c 14	N71-17585* #	US-PATENT-3,526,473	c 18	N71-15545* #	US-PATENT-3,537,515	c 09	N71-24807* #
US-PATENT-3,501,683	c 15	N71-17694* #	US-PATENT-3,526,580	c 18	N71-16210* #	US-PATENT-3,537,668	c 05	N71-24728* #
US-PATENT-3,501,684	c 09	N71-26092* #	US-PATENT-3,526,611	c 06	N71-11236* #	US-PATENT-3,537,672	c 15	N71-24694* #
US-PATENT-3,501,701	c 08	N71-18692* #	US-PATENT-3,526,845	c 09	N71-13531* #	US-PATENT-3,538,053	c 27	N78-17214* #
US-PATENT-3,501,704	c 07	N71-11282* #	US-PATENT-3,526,897	c 09	N71-13521* #	US-PATENT-3,539,905	c 09	N71-24800* #
US-PATENT-3,501,712	c 09	N71-19516* #	US-PATENT-3,527,724	c 27	N78-33228* #	US-PATENT-3,540,045	c 09	N71-24595* #
US-PATENT-3,501,743	c 09	N71-18843* #	US-PATENT-3,529,480	c 15	N71-17692* #	US-PATENT-3,540,048	c 31	N71-24813* #
US-PATENT-3,501,750	c 08	N71-19288* #	US-PATENT-3,529,928	c 17	N71-16393* #	US-PATENT-3,540,050	c 09	N71-24804* #
US-PATENT-3,501,752	c 08	N71-18595* #	US-PATENT-3,530,336	c 09	N71-13518* #	US-PATENT-3,540,054	c 07	N71-24625* #
US-PATENT-3,501,764	c 10	N71-18722* #	US-PATENT-3,531,964	c 15	N71-18616* #	US-PATENT-3,540,056	c 07	N71-24614* #
US-PATENT-3,502,051	c 15	N71-17647* #	US-PATENT-3,531,978	c 14	N71-18481* #	US-PATENT-3,540,250	c 15	N71-24865* #
US-PATENT-3,502,074	c 05	N71-11190* #	US-PATENT-3,531,982	c 15	N71-18132* #	US-PATENT-3,540,449	c 15	N71-24835* #
US-PATENT-3,502,141	c 33	N71-16277* #	US-PATENT-3,531,989	c 33	N71-15641* #	US-PATENT-3,540,615	c 33	N71-25351* #
US-PATENT-3,503,251	c 32	N71-16428* #	US-PATENT-3,532,118	c 12	N71-18615* #	US-PATENT-3,540,676	c 15	N71-24600* #
US-PATENT-3,504,258	c 10	N71-18724* #	US-PATENT-3,532,128	c 15	N71-18580* #	US-PATENT-3,540,790	c 16	N71-26154* #
US-PATENT-3,504,983	c 23	N71-16341* #	US-PATENT-3,532,427	c 21	N71-19212* #	US-PATENT-3,540,802	c 23	N71-24868* #
US-PATENT-3,506,496	c 44	N82-24645* #	US-PATENT-3,532,428	c 30	N71-15990* #	US-PATENT-3,540,942	c 15	N71-24875* #
US-PATENT-3,507,034	c 15	N71-17650* #	US-PATENT-3,532,538	c 18	N71-16046* #	US-PATENT-3,540,989	c 24	N71-25555* #
US-PATENT-3,507,114	c 27	N71-16392* #	US-PATENT-3,532,551	c 03	N71-11049* #	US-PATENT-3,541,250	c 07	N71-24742* #
US-PATENT-3,507,146	c 05	N71-11202* #	US-PATENT-3,532,568	c 17	N71-16044* #	US-PATENT-3,541,312	c 08	N71-24891* #
US-PATENT-3,507,150	c 20	N71-16281* #	US-PATENT-3,532,673	c 06	N71-11238* #	US-PATENT-3,541,314	c 07	N71-24741* #
US-PATENT-3,507,425	c 15	N71-17628* #	US-PATENT-3,532,807	c 07	N71-19433* #	US-PATENT-3,541,346	c 09	N71-24803* #
US-PATENT-3,507,436	c 08	N71-19420* #	US-PATENT-3,532,819	c 10	N71-19468* #	US-PATENT-3,541,361	c 09	N71-24904* #
US-PATENT-3,507,704	c 03	N71-11052* #	US-PATENT-3,532,866	c 08	N71-18602* #	US-PATENT-3,541,422	c 03	N71-24719* #
US-PATENT-3,507,706	c 03	N71-18698* #	US-PATENT-3,532,880	c 24	N71-16095* #	US-PATENT-3,541,428	c 09	N71-24893* #
US-PATENT-3,508,036	c 08	N71-18693* #	US-PATENT-3,532,894	c 23	N71-16100* #	US-PATENT-3,541,439	c 09	N71-24843* #
US-PATENT-3,508,039	c 08	N71-19437* #	US-PATENT-3,532,948	c 10	N71-18772* #	US-PATENT-3,541,450	c 07	N71-24840* #
US-PATENT-3,508,053	c 09	N71-18830* #	US-PATENT-3,532,960	c 03	N71-12255* #	US-PATENT-3,541,459	c 10	N71-24844* #
US-PATENT-3,508,070	c 03	N71-11057* #	US-PATENT-3,532,973	c 15	N71-17822* #	US-PATENT-3,541,479	c 09	N71-24841* #
US-PATENT-3,508,152	c 07	N71-11266* #	US-PATENT-3,532,975	c 10	N71-19421* #	US-PATENT-3,541,486	c 16	N71-28554* #
US-PATENT-3,508,156	c 07	N71-11267* #	US-PATENT-3,532,979	c 10	N71-12554* #	US-PATENT-3,541,679	c 03	N71-24681* #
US-PATENT-3,508,347	c 05	N71-24606* #	US-PATENT-3,532,985	c 07	N71-19773* #	US-PATENT-3,541,825	c 15	N71-24836* #
US-PATENT-3,508,402	c 33	N71-16104* #	US-PATENT-3,533,001	c 07	N71-24583* #	US-PATENT-3,541,875	c 15	N71-24984* #
US-PATENT-3,508,541	c 05	N71-11193* #	US-PATENT-3,533,006	c 10	N72-28241* #	US-PATENT-3,543,050	c 10	N71-24862* #
US-PATENT-3,508,578	c 32	N71-16103* #	US-PATENT-3,533,074	c 08	N71-12502* #	US-PATENT-3,543,159	c 09	N71-24717* #
US-PATENT-3,508,723	c 31	N71-16222* #	US-PATENT-3,533,093	c 10	N71-19417* #	US-PATENT-3,543,839	c 34	N78-17337* #
US-PATENT-3,508,724	c 02	N71-11037* #	US-PATENT-3,533,098	c 08	N71-18594* #	US-PATENT-3,545,208	c 28	N71-25213* #
US-PATENT-3,508,739	c 15	N71-17648* #	US-PATENT-3,533,365	c 07	N71-19854* #	US-PATENT-3,545,226	c 23	N71-24725* #
US-PATENT-3,508,779	c 15	N71-24897* #	US-PATENT-3,534,367	c 02	N71-19287* #	US-PATENT-3,545,252	c 11	N71-24985* #
US-PATENT-3,508,940	c 18	N71-16124* #	US-PATENT-3,534,375	c 07	N71-11285* #	US-PATENT-3,545,262	c 38	N76-28563* #
US-PATENT-3,508,955	c 18	N71-16105* #	US-PATENT-3,534,376	c 07	N71-26101* #	US-PATENT-3,545,275	c 09	N71-24597* #
US-PATENT-3,508,999	c 15	N71-17687* #	US-PATENT-3,534,406	c 05	N71-11195* #	US-PATENT-3,545,725	c 15	N71-24599* #
US-PATENT-3,509,034	c 14	N71-17575* #	US-PATENT-3,534,407	c 05	N71-11194* #	US-PATENT-3,545,792	c 15	N71-24903* #
US-PATENT-3,509,386	c 03	N71-11055* #	US-PATENT-3,534,479	c 14	N71-17657* #	US-PATENT-3,546,386	c 07	N71-24621* #
US-PATENT-3,509,419	c 24	N71-16213* #	US-PATENT-3,534,480	c 14	N71-17658* #	US-PATENT-3,546,471	c 14	N71-24864* #
US-PATENT-3,509,469	c 23	N71-16099* #	US-PATENT-3,534,485	c 11	N71-18773* #	US-PATENT-3,546,552	c 15	N71-24895* #
US-PATENT-3,509,475	c 09	N71-24596* #	US-PATENT-3,534,555	c 12	N71-17631* #	US-PATENT-3,546,553	c 09	N71-24805* #
US-PATENT-3,509,491	c 09	N71-18721* #	US-PATENT-3,534,584	c 10	N71-13545* #	US-PATENT-3,546,684	c 07	N71-24624* #
US-PATENT-3,509,551	c 08	N71-18694* #	US-PATENT-3,534,585	c 14	N71-17701* #	US-PATENT-3,546,694	c 10	N71-24798* #
US-PATENT-3,509,558	c 08	N71-19435* #	US-PATENT-3,534,592	c 14	N71-17656* #	US-PATENT-3,546,705	c 09	N71-24842* #
US-PATENT-3,509,570	c 09	N71-18720* #	US-PATENT-3,534,596	c 14	N71-17586* #	US-PATENT-3,546,917	c 15	N71-24679* #
US-PATENT-3,509,578	c 07	N71-19493* #	US-PATENT-3,534,597	c 31	N71-15643* #	US-PATENT-3,546,920	c 06	N71-24607* #
US-PATENT-3,511,680	c 31	N79-21227* #	US-PATENT-3,534,650	c 15	N71-17653* #	US-PATENT-3,546,931	c 32	N71-25360* #
US-PATENT-3,512,009	c 08	N71-18751* #	US-PATENT-3,534,686	c 31	N71-15687* #	US-PATENT-3,547,105	c 09	N71-24618* #
US-PATENT-3,514,785	c 54	N78-18761* #	US-PATENT-3,534,727	c 05	N71-11189* #	US-PATENT-3,547,376	c 31	N71-25434* #
US-PATENT-3,516,091	c 05	N71-24623* #	US-PATENT-3,534,765	c 12	N71-17661* #	US-PATENT-3,547,540	c 16	N71-24828* #
US-PATENT-3,516,179	c 11	N71-19494* #	US-PATENT-3,534,826	c 31	N71-15689* #	US-PATENT-3,547,801	c 03	N71-24718* #
US-PATENT-3,516,185	c 12	N71-18603* #	US-PATENT-3,534,836	c 15	N71-17805* #	US-PATENT-3,548,107	c 07	N71-24622* #
US-PATENT-3,516,284	c 12	N71-17573* #	US-PATENT-3,534,909	c 15	N71-17654* #	US-PATENT-3,548,633	c 18	N71-24934* #
US-PATENT-3,516,404	c 05	N71-17599* #	US-PATENT-3,534,924	c 31	N71-15674* #	US-PATENT-3,548,636	c 15	N71-24910* #

REPORT NUMBER INDEX

US-PATENT-3,612,743

US-PATENT-3,549,564	c 06	N71-24739*	US-PATENT-3,569,976	c 07	N71-27233*	US-PATENT-3,588,751	c 07	N71-33606*
US-PATENT-3,549,799	c 09	N71-25866*	US-PATENT-3,570,143	c 10	N71-27365*	US-PATENT-3,588,874	c 09	N71-33519*
US-PATENT-3,549,882	c 15	N71-24896*	US-PATENT-3,570,364	c 28	N71-26779*	US-PATENT-3,588,883	c 10	N71-33407*
US-PATENT-3,549,955	c 09	N71-24892*	US-PATENT-3,570,513	c 12	N71-27332*	US-PATENT-3,591,420	c 03	N71-33409*
US-PATENT-3,550,023	c 09	N71-24806*	US-PATENT-3,570,785	c 28	N71-27585*	US-PATENT-3,591,426	c 17	N71-33408*
US-PATENT-3,550,034	c 16	N71-24832*	US-PATENT-3,570,789	c 02	N71-27088*	US-PATENT-3,591,885	c 15	N72-11390*
US-PATENT-3,550,129	c 21	N71-24948*	US-PATENT-3,571,555	c 15	N71-27135*	US-PATENT-3,591,960	c 15	N72-12409*
US-PATENT-3,550,585	c 05	N71-24738*	US-PATENT-3,571,656	c 09	N71-27001*	US-PATENT-3,591,967	c 28	N72-11709*
US-PATENT-3,551,266	c 33	N71-24858*	US-PATENT-3,571,662	c 10	N71-27366*	US-PATENT-3,592,422	c 15	N72-11391*
US-PATENT-3,551,816	c 07	N71-24613*	US-PATENT-3,571,693	c 09	N71-27364*	US-PATENT-3,592,478	c 09	N72-11224*
US-PATENT-3,551,831	c 33	N75-27251* #	US-PATENT-3,571,699	c 09	N71-27053*	US-PATENT-3,592,505	c 05	N72-11085*
US-PATENT-3,552,124	c 28	N71-26642*	US-PATENT-3,571,700	c 14	N71-27325*	US-PATENT-3,592,545	c 14	N72-11364*
US-PATENT-3,552,125	c 28	N71-26173*	US-PATENT-3,571,707	c 10	N71-27338*	US-PATENT-3,592,559	c 02	N72-11018*
US-PATENT-3,553,002	c 18	N71-26100*	US-PATENT-3,571,800	c 10	N71-27272*	US-PATENT-3,592,628	c 15	N72-11387*
US-PATENT-3,553,586	c 07	N71-26292*	US-PATENT-3,571,801	c 08	N71-27255*	US-PATENT-3,592,768	c 15	N72-11389*
US-PATENT-3,553,704	c 10	N71-26142*	US-PATENT-3,572,089	c 14	N71-27185*	US-PATENT-3,593,001	c 15	N72-11392*
US-PATENT-3,553,904	c 15	N71-26134*	US-PATENT-3,572,104	c 28	N71-27094*	US-PATENT-3,593,024	c 24	N72-11595*
US-PATENT-3,554,466	c 31	N71-26537*	US-PATENT-3,572,112	c 15	N71-27006*	US-PATENT-3,593,132	c 09	N72-11225*
US-PATENT-3,554,647	c 23	N71-26206*	US-PATENT-3,572,610	c 28	N71-27095*	US-PATENT-3,593,138	c 07	N72-11149*
US-PATENT-3,554,806	c 03	N71-26084*	US-PATENT-3,572,935	c 14	N71-27215*	US-PATENT-3,593,175	c 10	N72-11256*
US-PATENT-3,555,192	c 07	N71-26181*	US-PATENT-3,573,078	c 27	N82-29451* #	US-PATENT-3,593,180	c 07	N72-11150*
US-PATENT-3,555,361	c 10	N71-26531*	US-PATENT-3,573,470	c 74	N78-33913* #	US-PATENT-3,593,194	c 16	N72-12440*
US-PATENT-3,555,455	c 23	N71-26722*	US-PATENT-3,573,504	c 33	N78-17294* #	US-PATENT-3,594,790	c 07	N72-12080*
US-PATENT-3,555,483	c 35	N77-21393* #	US-PATENT-3,573,583	c 09	N71-28886*	US-PATENT-3,594,803	c 09	N72-12136*
US-PATENT-3,555,867	c 15	N71-26148*	US-PATENT-3,573,797	c 08	N71-27057*	US-PATENT-3,596,465	c 28	N72-11708*
US-PATENT-3,555,898	c 12	N71-26546*	US-PATENT-3,573,977	c 15	N71-28582*	US-PATENT-3,596,510	c 14	N72-11363*
US-PATENT-3,556,048	c 09	N71-26701*	US-PATENT-3,573,986	c 03	N71-28579*	US-PATENT-3,596,554	c 15	N72-11385*
US-PATENT-3,556,634	c 07	N71-26291*	US-PATENT-3,573,996	c 18	N71-29040*	US-PATENT-3,596,863	c 15	N72-11386*
US-PATENT-3,557,027	c 06	N71-25929*	US-PATENT-3,574,057	c 22	N71-28759*	US-PATENT-3,597,281	c 03	N72-11062*
US-PATENT-3,557,534	c 15	N71-26185*	US-PATENT-3,574,084	c 14	N71-28933*	US-PATENT-3,598,921	c 08	N72-11171*
US-PATENT-3,559,031	c 10	N71-26085*	US-PATENT-3,574,277	c 15	N71-28467*	US-PATENT-3,599,216	c 07	N72-11148*
US-PATENT-3,559,096	c 10	N71-25882*	US-PATENT-3,574,286	c 11	N71-27036*	US-PATENT-3,599,335	c 08	N72-11172*
US-PATENT-3,559,460	c 14	N71-26672*	US-PATENT-3,574,438	c 07	N71-29065*	US-PATENT-3,599,443	c 05	N72-11084*
US-PATENT-3,559,937	c 14	N71-26627*	US-PATENT-3,574,448	c 23	N71-29123*	US-PATENT-3,599,489	c 14	N72-11365*
US-PATENT-3,560,081	c 19	N71-26674*	US-PATENT-3,574,462	c 14	N71-29041*	US-PATENT-3,600,046	c 15	N72-11388*
US-PATENT-3,560,161	c 06	N71-26754*	US-PATENT-3,574,467	c 23	N71-29125*	US-PATENT-3,600,599	c 33	N78-17296* #
US-PATENT-3,561,828	c 15	N71-26189*	US-PATENT-3,574,470	c 14	N71-28993*	US-PATENT-3,602,920	c 11	N72-17183* #
US-PATENT-3,562,575	c 09	N71-26182*	US-PATENT-3,574,770	c 06	N71-27254*	US-PATENT-3,602,923	c 05	N72-22093* #
US-PATENT-3,562,631	c 14	N71-26137*	US-PATENT-3,575,336	c 15	N71-27214*	US-PATENT-3,602,979	c 15	N72-22492* #
US-PATENT-3,562,857	c 15	N71-26721*	US-PATENT-3,575,585	c 14	N71-27058*	US-PATENT-3,602,984	c 26	N72-17820* #
US-PATENT-3,562,881	c 09	N71-26678*	US-PATENT-3,575,597	c 14	N71-27090*	US-PATENT-3,603,092	c 28	N72-17843* #
US-PATENT-3,562,919	c 15	N71-26145*	US-PATENT-3,575,602	c 16	N71-27183*	US-PATENT-3,603,093	c 28	N72-18766* #
US-PATENT-3,563,135	c 15	N71-27147*	US-PATENT-3,575,638	c 09	N71-26133*	US-PATENT-3,603,260	c 33	N72-17947* #
US-PATENT-3,563,198	c 18	N71-26285*	US-PATENT-3,575,641	c 10	N71-26334*	US-PATENT-3,603,285	c 25	N75-29192* #
US-PATENT-3,563,232	c 05	N71-27234*	US-PATENT-3,576,107	c 28	N71-26781*	US-PATENT-3,603,382	c 33	N72-17948* #
US-PATENT-3,563,307	c 15	N71-26611*	US-PATENT-3,576,127	c 14	N71-26161*	US-PATENT-3,603,433	c 15	N72-17450* #
US-PATENT-3,563,668	c 14	N71-26788*	US-PATENT-3,576,135	c 15	N71-26635*	US-PATENT-3,603,532	c 30	N72-17873* #
US-PATENT-3,563,727	c 15	N71-27184*	US-PATENT-3,576,301	c 02	N71-26110*	US-PATENT-3,603,683	c 14	N72-17326* #
US-PATENT-3,563,918	c 06	N71-27363*	US-PATENT-3,576,656	c 18	N71-26772*	US-PATENT-3,603,686	c 16	N72-13437* #
US-PATENT-3,564,234	c 09	N71-26787*	US-PATENT-3,576,669	c 15	N71-29032*	US-PATENT-3,603,690	c 14	N72-17323* #
US-PATENT-3,564,401	c 14	N71-26135*	US-PATENT-3,576,723	c 09	N71-28691*	US-PATENT-3,603,722	c 07	N72-17109* #
US-PATENT-3,564,420	c 14	N71-26774*	US-PATENT-3,576,786	c 06	N71-28620*	US-PATENT-3,603,772	c 08	N72-22166* #
US-PATENT-3,564,564	c 15	N71-26162*	US-PATENT-3,577,014	c 10	N71-28860*	US-PATENT-3,603,798	c 09	N72-17152* #
US-PATENT-3,564,866	c 23	N71-26654*	US-PATENT-3,577,092	c 07	N71-28430*	US-PATENT-3,603,864	c 09	N72-17154* #
US-PATENT-3,564,906	c 32	N71-26681*	US-PATENT-3,577,356	c 06	N73-30102* #	US-PATENT-3,603,892	c 09	N72-17155* #
US-PATENT-3,565,530	c 15	N71-26673*	US-PATENT-3,578,755	c 14	N71-29134*	US-PATENT-3,603,946	c 09	N72-17153* #
US-PATENT-3,565,584	c 15	N71-27372*	US-PATENT-3,578,756	c 11	N71-28629*	US-PATENT-3,603,974	c 14	N72-18411* #
US-PATENT-3,565,607	c 17	N71-26773*	US-PATENT-3,578,758	c 14	N71-28992*	US-PATENT-3,603,976	c 08	N72-18184* #
US-PATENT-3,565,719	c 03	N71-26726*	US-PATENT-3,578,838	c 16	N71-29131*	US-PATENT-3,605,032	c 10	N72-17172* #
US-PATENT-3,566,027	c 07	N71-27341*	US-PATENT-3,578,867	c 14	N71-28994*	US-PATENT-3,605,424	c 15	N72-17453* #
US-PATENT-3,566,045	c 08	N71-27210*	US-PATENT-3,578,957	c 08	N71-29033*	US-PATENT-3,605,482	c 14	N72-16282* #
US-PATENT-3,566,122	c 14	N71-27323*	US-PATENT-3,578,988	c 09	N71-29139*	US-PATENT-3,605,495	c 14	N72-17327* #
US-PATENT-3,566,143	c 14	N71-27407*	US-PATENT-3,578,992	c 09	N71-28421*	US-PATENT-3,605,519	c 14	N72-17324* #
US-PATENT-3,566,158	c 10	N71-27126* #	US-PATENT-3,579,041	c 09	N71-29008*	US-PATENT-3,606,212	c 31	N72-18559* #
US-PATENT-3,566,268	c 10	N71-26577*	US-PATENT-3,579,103	c 14	N71-28991*	US-PATENT-3,606,470	c 46	N74-23068* #
US-PATENT-3,566,396	c 10	N71-26544*	US-PATENT-3,579,122	c 08	N71-29034*	US-PATENT-3,606,522	c 23	N72-23695* #
US-PATENT-3,566,459	c 14	N71-27334*	US-PATENT-3,579,146	c 08	N71-29138*	US-PATENT-3,606,979	c 15	N72-17454* #
US-PATENT-3,566,676	c 14	N71-26199*	US-PATENT-3,579,147	c 07	N71-28429*	US-PATENT-3,607,015	c 06	N72-17093* #
US-PATENT-3,566,993	c 15	N71-27169*	US-PATENT-3,579,168	c 09	N71-29035*	US-PATENT-3,607,076	c 06	N72-17094* #
US-PATENT-3,567,155	c 21	N71-27324*	US-PATENT-3,579,242	c 07	N71-28980*	US-PATENT-3,607,080	c 06	N72-17095* #
US-PATENT-3,567,339	c 15	N71-27084*	US-PATENT-3,579,390	c 18	N71-28729*	US-PATENT-3,607,338	c 18	N72-17532* #
US-PATENT-3,567,651	c 18	N71-27170*	US-PATENT-3,579,412	c 17	N71-28747*	US-PATENT-3,607,401	c 03	N72-15986* #
US-PATENT-3,567,677	c 18	N71-25881*	US-PATENT-3,581,492	c 28	N71-28915*	US-PATENT-3,607,495	c 15	N72-16330* #
US-PATENT-3,567,861	c 10	N71-25865*	US-PATENT-3,582,828	c 33	N77-21314* #	US-PATENT-3,608,046	c 15	N72-16329* #
US-PATENT-3,567,913	c 10	N71-27137*	US-PATENT-3,582,960	c 09	N71-28618*	US-PATENT-3,608,365	c 15	N72-17452* #
US-PATENT-3,567,927	c 14	N71-28863*	US-PATENT-3,583,058	c 15	N71-29018*	US-PATENT-3,608,409	c 14	N72-16283* #
US-PATENT-3,568,010	c 09	N71-27232*	US-PATENT-3,583,239	c 15	N71-29132*	US-PATENT-3,608,844	c 15	N72-18477* #
US-PATENT-3,568,028	c 10	N71-27136*	US-PATENT-3,583,322	c 05	N71-28619*	US-PATENT-3,609,230	c 09	N72-17156* #
US-PATENT-3,568,103	c 10	N71-25900*	US-PATENT-3,583,419	c 12	N71-28741*	US-PATENT-3,609,271	c 08	N72-22204* #
US-PATENT-3,568,197	c 07	N71-27056*	US-PATENT-3,583,744	c 15	N71-29133*	US-PATENT-3,609,327	c 09	N72-22167* #
US-PATENT-3,568,447	c 15	N71-27432*	US-PATENT-3,583,777	c 15	N71-28465*	US-PATENT-3,609,353	c 14	N72-17328* #
US-PATENT-3,568,572	c 15	N71-27754*	US-PATENT-3,583,815	c 15	N71-28740*	US-PATENT-3,609,364	c 10	N72-17173* #
US-PATENT-3,568,702	c 10	N71-25899*	US-PATENT-3,584,311	c 09	N71-28468*	US-PATENT-3,609,387	c 09	N72-17157* #
US-PATENT-3,568,748	c 15	N71-27091*	US-PATENT-3,584,660	c 15	N72-12408*	US-PATENT-3,609,535	c 14	N72-17325* #
US-PATENT-3,568,795	c 15	N71-27067*	US-PATENT-3,585,514	c 10	N71-33129*	US-PATENT-3,609,567	c 10	N72-17171* #
US-PATENT-3,568,805	c 15	N71-27146*	US-PATENT-3,585,882	c 15	N71-33518*	US-PATENT-3,609,740	c 05	N72-16015* #
US-PATENT-3,568,874	c 15	N71-27068*	US-PATENT-3,586,261	c 31	N71-33160*	US-PATENT-3,610,365	c 15	N72-17451* #
US-PATENT-3,568,885	c 14	N71-27005*	US-PATENT-3,587,306	c 11	N71-33612*	US-PATENT-3,611,274	c 15	N72-17455* #
US-PATENT-3,569,710	c 14	N71-25901*	US-PATENT-3,587,424	c 16	N71-33410*	US-PATENT-3,611,330	c 23	N72-17747* #
US-PATENT-3,569,744	c 09	N71-27016*	US-PATENT-3,588,220	c 23	N71-33229*	US-PATENT-3,611,798	c 14	N72-22437* #
US-PATENT-3,569,804	c 09	N71-25999*	US-PATENT-3,588,331	c 07	N72-12081*	US-PATENT-3,611,801	c 14	N72-17329* #
US-PATENT-3,569,827	c 18	N71-27397*	US-PATENT-3,588,359	c 07	N71-33108*	US-PATENT-3,612,030	c 46	N74-23069* #
US-PATENT-3,569,828	c 14	N71-27186*	US-PATENT-3,588,483	c 08	N71-33110*	US-PATENT-3,612,391	c 11	N72-22245* #
US-PATENT-3,569,866	c 10	N71-27271*	US-PATENT-3,588,648	c 07	N71-33613*	US-PATENT-3,612,442	c 28	N72-22769* #
US-PATENT-3,569,875	c 07	N71-27191*	US-PATENT-3,588,671	c 09	N71-33109*	US-PATENT-3,612,645	c 14	N72-22441* #
US-PATENT-3,569,956	c 10	N71-25917*	US-PATENT-3,588,705	c 07	N71-33696*	US-PATENT-3,612,743	c 09	N72-22198* #

US-PATENT-3,612,895	c 09	N72-22197* #	US-PATENT-3,635,216	c 05	N72-20096* #	US-PATENT-3,665,064	c 05	N72-25120* #
US-PATENT-3,613,110	c 08	N72-21199* #	US-PATENT-3,635,537	c 33	N80-14330* #	US-PATENT-3,665,307	c 15	N72-25457* #
US-PATENT-3,613,111	c 08	N72-21200* #	US-PATENT-3,635,765	c 03	N72-20034* #	US-PATENT-3,665,313	c 07	N72-25173* #
US-PATENT-3,613,370	c 28	N72-22770* #	US-PATENT-3,636,539	c 03	N72-20031* #	US-PATENT-3,665,417	c 07	N72-25172* #
US-PATENT-3,613,454	c 35	N77-27368* #	US-PATENT-3,636,564	c 05	N72-22092* #	US-PATENT-3,665,467	c 14	N72-28437* #
US-PATENT-3,613,457	c 15	N72-22482* #	US-PATENT-3,636,623	c 15	N72-20444* #	US-PATENT-3,665,481	c 07	N72-25174* #
US-PATENT-3,613,794	c 12	N72-21310* #	US-PATENT-3,636,711	c 28	N72-20758* #	US-PATENT-3,665,589	c 09	N72-25173* #
US-PATENT-3,614,228	c 14	N72-21409* #	US-PATENT-3,636,966	c 05	N72-20097* #	US-PATENT-3,665,669	c 15	N72-25454* #
US-PATENT-3,614,327	c 08	N72-22162* #	US-PATENT-3,637,051	c 15	N72-20443* #	US-PATENT-3,665,670	c 11	N72-25287* #
US-PATENT-3,614,343	c 07	N72-21119* #	US-PATENT-3,637,170	c 21	N72-21624* #	US-PATENT-3,665,750	c 33	N72-25913* #
US-PATENT-3,614,431	c 14	N72-21408* #	US-PATENT-3,637,312	c 14	N72-20379* #	US-PATENT-3,665,751	c 32	N72-25877* #
US-PATENT-3,614,475	c 10	N72-16172* #	US-PATENT-3,637,842	c 06	N72-20121* #	US-PATENT-3,665,758	c 11	N72-25288* #
US-PATENT-3,614,557	c 26	N72-21701* #	US-PATENT-3,638,002	c 08	N72-21197* #	US-PATENT-3,666,051	c 15	N72-25453* #
US-PATENT-3,614,587	c 09	N72-22196* #	US-PATENT-3,638,066	c 10	N72-20225* #	US-PATENT-3,666,120	c 03	N72-25021* #
US-PATENT-3,614,648	c 09	N72-21247* #	US-PATENT-3,638,103	c 09	N72-21243* #	US-PATENT-3,666,566	c 03	N72-26031* #
US-PATENT-3,614,772	c 08	N72-22163* #	US-PATENT-3,638,114	c 10	N72-20222* #	US-PATENT-3,666,631	c 14	N72-25413* #
US-PATENT-3,614,898	c 15	N72-21462* #	US-PATENT-3,638,224	c 09	N72-21244* #	US-PATENT-3,666,718	c 06	N72-25151* #
US-PATENT-3,614,899	c 09	N72-22195* #	US-PATENT-3,639,250	c 14	N72-22443* #	US-PATENT-3,666,741	c 06	N72-25150* #
US-PATENT-3,615,021	c 15	N72-22483* #	US-PATENT-3,639,510	c 06	N72-22107* #	US-PATENT-3,666,942	c 06	N72-25146* #
US-PATENT-3,615,241	c 15	N72-21465* #	US-PATENT-3,639,809	c 15	N72-22486* #	US-PATENT-3,667,010	c 26	N72-25679* #
US-PATENT-3,615,465	c 06	N72-21094* #	US-PATENT-3,639,835	c 14	N72-22442* #	US-PATENT-3,667,039	c 26	N72-25680* #
US-PATENT-3,615,853	c 03	N72-22042* #	US-PATENT-3,640,256	c 28	N72-22772* #	US-PATENT-3,667,044	c 07	N72-25171* #
US-PATENT-3,616,338	c 15	N72-21466* #	US-PATENT-3,641,470	c 35	N78-17359* #	US-PATENT-3,668,956	c 15	N72-25413* #
US-PATENT-3,616,528	c 03	N72-22041* #	US-PATENT-3,647,276	c 14	N72-22444* #	US-PATENT-3,669,110	c 05	N72-27103* #
US-PATENT-3,617,804	c 25	N72-24753* #	US-PATENT-3,647,529	c 27	N72-23125* #	US-PATENT-3,669,393	c 15	N72-27484* #
US-PATENT-3,619,896	c 15	N72-22487* #	US-PATENT-3,647,924	c 11	N72-23215* #	US-PATENT-3,670,097	c 23	N72-27728* #
US-PATENT-3,619,924	c 11	N72-22247* #	US-PATENT-3,648,043	c 09	N72-23173* #	US-PATENT-3,670,168	c 14	N72-27409* #
US-PATENT-3,620,018	c 28	N72-22771* #	US-PATENT-3,648,083	c 12	N72-25292* #	US-PATENT-3,670,202	c 14	N72-27411* #
US-PATENT-3,620,069	c 14	N72-22440* #	US-PATENT-3,648,152	c 03	N72-23048* #	US-PATENT-3,670,241	c 14	N72-27408* #
US-PATENT-3,620,076	c 11	N72-22246* #	US-PATENT-3,648,209	c 09	N72-27226* #	US-PATENT-3,670,290	c 09	N72-28225* #
US-PATENT-3,620,083	c 14	N72-22438* #	US-PATENT-3,648,250	c 09	N72-25248* #	US-PATENT-3,670,559	c 33	N72-27959* #
US-PATENT-3,620,095	c 15	N72-21463* #	US-PATENT-3,648,256	c 08	N72-25207* #	US-PATENT-3,670,563	c 14	N72-27412* #
US-PATENT-3,620,585	c 15	N72-22490* #	US-PATENT-3,648,275	c 08	N72-25206* #	US-PATENT-3,670,564	c 11	N72-27262* #
US-PATENT-3,620,595	c 14	N72-22445* #	US-PATENT-3,648,461	c 28	N72-23810* #	US-PATENT-3,670,890	c 05	N72-27102* #
US-PATENT-3,620,606	c 23	N72-22673* #	US-PATENT-3,648,516	c 35	N72-22095* #	US-PATENT-3,671,105	c 26	N72-27784* #
US-PATENT-3,620,718	c 17	N72-22535* #	US-PATENT-3,649,242	c 15	N72-25448* #	US-PATENT-3,671,329	c 14	N72-27410* #
US-PATENT-3,620,784	c 18	N72-23581* #	US-PATENT-3,649,353	c 26	N72-28762* #	US-PATENT-3,671,497	c 06	N72-27144* #
US-PATENT-3,620,791	c 18	N72-22566* #	US-PATENT-3,649,356	c 15	N72-25447* #	US-PATENT-3,671,798	c 10	N72-27246* #
US-PATENT-3,620,846	c 31	N72-22874* #	US-PATENT-3,649,462	c 11	N72-25284* #	US-PATENT-3,672,999	c 03	N72-27053* #
US-PATENT-3,621,130	c 08	N72-22164* #	US-PATENT-3,649,907	c 09	N72-23172* #	US-PATENT-3,673,424	c 09	N72-27227* #
US-PATENT-3,621,193	c 15	N72-23497* #	US-PATENT-3,649,921	c 05	N72-23085* #	US-PATENT-3,673,440	c 09	N72-27228* #
US-PATENT-3,621,194	c 15	N72-22491* #	US-PATENT-3,649,935	c 07	N72-25170* #	US-PATENT-3,675,332	c 14	N72-28436* #
US-PATENT-3,621,228	c 08	N72-22165* #	US-PATENT-3,650,095	c 14	N72-23457* #	US-PATENT-3,675,376	c 15	N72-28496* #
US-PATENT-3,621,277	c 10	N72-22236* #	US-PATENT-3,650,474	c 28	N72-23809* #	US-PATENT-3,675,712	c 03	N72-28025* #
US-PATENT-3,621,285	c 09	N72-22200* #	US-PATENT-3,651,008	c 27	N81-24258* #	US-PATENT-3,675,910	c 17	N72-28535* #
US-PATENT-3,621,287	c 09	N72-22201* #	US-PATENT-3,653,052	c 09	N72-25247* #	US-PATENT-3,675,935	c 15	N72-29488* #
US-PATENT-3,621,290	c 09	N72-22202* #	US-PATENT-3,653,882	c 18	N72-25539* #	US-PATENT-3,676,084	c 17	N72-28536* #
US-PATENT-3,621,294	c 09	N72-23171* #	US-PATENT-3,653,970	c 03	N72-24037* #	US-PATENT-3,676,674	c 14	N72-29464* #
US-PATENT-3,621,330	c 33	N77-21316* #	US-PATENT-3,654,036	c 03	N72-25019* #	US-PATENT-3,676,754	c 26	N72-28761* #
US-PATENT-3,621,362	c 09	N72-22203* #	US-PATENT-3,655,814	c 27	N81-15104* #	US-PATENT-3,676,772	c 10	N72-28240* #
US-PATENT-3,621,372	c 09	N72-25249* #	US-PATENT-3,656,313	c 23	N72-25619* #	US-PATENT-3,676,787	c 16	N72-28521* #
US-PATENT-3,621,406	c 09	N72-33204* #	US-PATENT-3,656,317	c 33	N72-25911* #	US-PATENT-3,676,809	c 09	N72-29172* #
US-PATENT-3,621,407	c 09	N72-21245* #	US-PATENT-3,656,352	c 14	N72-25411* #	US-PATENT-3,678,191	c 10	N72-31273* #
US-PATENT-3,621,565	c 09	N72-22199* #	US-PATENT-3,656,781	c 15	N72-25450* #	US-PATENT-3,678,654	c 06	N72-31140* #
US-PATENT-3,623,030	c 08	N72-21198* #	US-PATENT-3,657,190	c 23	N82-29358* #	US-PATENT-3,678,685	c 21	N72-31637* #
US-PATENT-3,623,094	c 10	N72-22235* #	US-PATENT-3,657,549	c 14	N72-25409* #	US-PATENT-3,678,771	c 37	N74-23070* #
US-PATENT-3,623,107	c 07	N72-21117* #	US-PATENT-3,657,644	c 14	N72-24477* #	US-PATENT-3,679,360	c 04	N72-33072* #
US-PATENT-3,623,114	c 07	N72-22127* #	US-PATENT-3,657,928	c 14	N72-25410* #	US-PATENT-3,679,899	c 06	N72-31141* #
US-PATENT-3,623,359	c 35	N77-27367* #	US-PATENT-3,658,295	c 15	N72-25451* #	US-PATENT-3,680,142	c 09	N72-31235* #
US-PATENT-3,623,360	c 14	N72-21405* #	US-PATENT-3,658,569	c 15	N72-25452* #	US-PATENT-3,680,144	c 07	N72-32169* #
US-PATENT-3,623,361	c 14	N72-21407* #	US-PATENT-3,658,608	c 27	N72-25699* #	US-PATENT-3,680,830	c 15	N72-31483* #
US-PATENT-3,623,394	c 15	N72-22488* #	US-PATENT-3,658,974	c 15	N72-24522* #	US-PATENT-3,681,581	c 08	N72-31226* #
US-PATENT-3,623,828	c 15	N72-22489* #	US-PATENT-3,659,043	c 14	N72-25412* #	US-PATENT-3,686,542	c 14	N72-31446* #
US-PATENT-3,623,861	c 17	N72-22530* #	US-PATENT-3,659,053	c 08	N72-25208* #	US-PATENT-3,690,291	c 15	N72-32487* #
US-PATENT-3,624,496	c 15	N72-21464* #	US-PATENT-3,659,148	c 09	N72-25250* #	US-PATENT-3,692,533	c 05	N72-33096* #
US-PATENT-3,624,598	c 21	N72-22619* #	US-PATENT-3,659,184	c 09	N72-25251* #	US-PATENT-3,693,002	c 25	N72-32688* #
US-PATENT-3,624,650	c 07	N72-21118* #	US-PATENT-3,659,225	c 16	N72-25485* #	US-PATENT-3,693,105	c 10	N72-33230* #
US-PATENT-3,624,659	c 09	N72-21246* #	US-PATENT-3,659,292	c 08	N72-25209* #	US-PATENT-3,693,346	c 15	N72-33477* #
US-PATENT-3,624,839	c 05	N72-20098* #	US-PATENT-3,660,240	c 06	N72-25149* #	US-PATENT-3,693,418	c 14	N72-33377* #
US-PATENT-3,625,018	c 15	N72-22484* #	US-PATENT-3,660,434	c 06	N72-25148* #	US-PATENT-3,694,041	c 15	N72-33476* #
US-PATENT-3,625,084	c 15	N72-22485* #	US-PATENT-3,660,704	c 15	N72-25456* #	US-PATENT-3,694,094	c 14	N72-32452* #
US-PATENT-3,625,766	c 03	N72-20032* #	US-PATENT-3,660,851	c 05	N72-25119* #	US-PATENT-3,694,313	c 24	N72-33681* #
US-PATENT-3,626,114	c 35	N79-16246* #	US-PATENT-3,662,337	c 08	N72-25210* #	US-PATENT-3,694,581	c 08	N72-33172* #
US-PATENT-3,626,189	c 14	N72-20381* #	US-PATENT-3,662,441	c 05	N72-25121* #	US-PATENT-3,694,655	c 25	N72-33696* #
US-PATENT-3,626,218	c 14	N72-22439* #	US-PATENT-3,662,547	c 15	N72-25455* #	US-PATENT-3,694,700	c 09	N72-33205* #
US-PATENT-3,626,298	c 07	N72-20140* #	US-PATENT-3,662,604	c 13	N72-25323* #	US-PATENT-3,694,753	c 07	N72-33146* #
US-PATENT-3,626,308	c 10	N72-20223* #	US-PATENT-3,662,661	c 31	N72-25842* #	US-PATENT-3,694,771	c 09	N73-15235* #
US-PATENT-3,626,828	c 14	N72-20380* #	US-PATENT-3,662,744	c 05	N72-25122* #	US-PATENT-3,695,101	c 11	N73-12264* #
US-PATENT-3,628,113	c 37	N77-27400* #	US-PATENT-3,662,973	c 21	N72-25595* #	US-PATENT-3,696,418	c 09	N73-12211* #
US-PATENT-3,629,068	c 22	N72-20597* #	US-PATENT-3,663,346	c 18	N72-25541* #	US-PATENT-3,696,833	c 11	N73-12265* #
US-PATENT-3,629,161	c 18	N72-22567* #	US-PATENT-3,663,347	c 18	N72-25540* #	US-PATENT-3,697,021	c 15	N73-12486* #
US-PATENT-3,630,276	c 33	N72-20915* #	US-PATENT-3,663,464	c 06	N72-25147* #	US-PATENT-3,697,630	c 15	N73-12489* #
US-PATENT-3,630,304	c 11	N72-20244* #	US-PATENT-3,663,521	c 06	N72-25152* #	US-PATENT-3,697,705	c 35	N77-21392* #
US-PATENT-3,630,627	c 03	N72-20033* #	US-PATENT-3,663,753	c 14	N72-25414* #	US-PATENT-3,697,733	c 08	N73-12176* #
US-PATENT-3,631,339	c 08	N72-20177* #	US-PATENT-3,663,828	c 09	N72-25262* #	US-PATENT-3,697,950	c 08	N73-12177* #
US-PATENT-3,631,351	c 10	N72-20224* #	US-PATENT-3,663,839	c 09	N72-25260* #	US-PATENT-3,697,968	c 21	N73-13644* #
US-PATENT-3,631,382	c 09	N72-20200* #	US-PATENT-3,663,843	c 09	N72-25255* #	US-PATENT-3,698,385	c 05	N73-13114* #
US-PATENT-3,631,737	c 15	N72-28495* #	US-PATENT-3,663,885	c 09	N72-25257* #	US-PATENT-3,698,412	c 14	N73-13418* #
US-PATENT-3,632,081	c 15	N72-20442* #	US-PATENT-3,663,886	c 09	N72-25258* #	US-PATENT-3,698,659	c 11	N73-13257* #
US-PATENT-3,632,140	c 15	N72-20445* #	US-PATENT-3,663,929	c 09	N72-25256* #	US-PATENT-3,698,667	c 02	N73-13008* #
US-PATENT-3,632,242	c 15	N72-20446* #	US-PATENT-3,663,938	c 03	N72-25020* #	US-PATENT-3,698,848	c 15	N73-13464* #
US-PATENT-3,632,923	c 09	N72-20199* #	US-PATENT-3,663,940	c 09	N72-25252* #	US-PATENT-3,699,511	c 21	N73-13643* #
US-PATENT-3,632,996	c 08	N72-20176* #	US-PATENT-3,663,941	c 09	N72-25253* #	US-PATENT-3,699,645	c 14	N73-13417* #

REPORT NUMBER INDEX

US-PATENT-3,781,549

US-PATENT-3,700,005	c 15	N73-13462* #	US-PATENT-3,730,287	c 11	N73-26238* #	US-PATENT-3,752,665	c 18	N73-32437* #
US-PATENT-3,700,192	c 31	N73-13898* #	US-PATENT-3,730,891	c 18	N73-26572* #	US-PATENT-3,752,847	c 06	N73-30098* #
US-PATENT-3,700,193	c 30	N73-12884* #	US-PATENT-3,731,528	c 12	N73-25262* #	US-PATENT-3,752,986	c 14	N73-30392* #
US-PATENT-3,700,291	c 15	N73-12488* #	US-PATENT-3,731,531	c 14	N73-25460* #	US-PATENT-3,752,993	c 21	N73-30640* #
US-PATENT-3,700,334	c 14	N73-12446* #	US-PATENT-3,732,040	c 15	N73-24513* #	US-PATENT-3,752,996	c 91	N74-13130* #
US-PATENT-3,700,503	c 14	N73-12447* #	US-PATENT-3,732,158	c 17	N73-24569* #	US-PATENT-3,753,148	c 09	N73-32111* #
US-PATENT-3,700,538	c 18	N73-12604* #	US-PATENT-3,732,397	c 33	N74-14935* #	US-PATENT-3,754,236	c 08	N73-32081* #
US-PATENT-3,700,578	c 15	N73-12487* #	US-PATENT-3,732,405	c 10	N73-25240* #	US-PATENT-3,754,263	c 09	N73-32110* #
US-PATENT-3,700,575	c 14	N73-14428* #	US-PATENT-3,732,409	c 08	N73-26175* #	US-PATENT-3,754,976	c 15	N73-32360* #
US-PATENT-3,700,603	c 10	N73-12244* #	US-PATENT-3,732,567	c 14	N73-25461* #	US-PATENT-3,755,265	c 06	N73-33076* #
US-PATENT-3,700,812	c 09	N73-13209* #	US-PATENT-3,733,350	c 06	N73-26100* #	US-PATENT-3,755,283	c 06	N73-32029* #
US-PATENT-3,700,868	c 08	N73-12175* #	US-PATENT-3,733,424	c 32	N73-26910* #	US-PATENT-3,755,686	c 03	N73-31988* #
US-PATENT-3,700,869	c 14	N73-12444* #	US-PATENT-3,733,463	c 14	N73-26430* #	US-PATENT-3,756,920	c 05	N73-32011* #
US-PATENT-3,700,893	c 14	N73-12445* #	US-PATENT-3,734,432	c 02	N73-26004* #	US-PATENT-3,757,183	c 09	N73-32107* #
US-PATENT-3,700,897	c 23	N73-13660* #	US-PATENT-3,735,206	c 10	N73-25243* #	US-PATENT-3,757,476	c 31	N73-32749* #
US-PATENT-3,700,961	c 17	N73-12547* #	US-PATENT-3,735,591	c 25	N73-25760* #	US-PATENT-3,757,568	c 14	N73-32323* #
US-PATENT-3,701,631	c 07	N73-13149* #	US-PATENT-3,736,453	c 33	N77-22386* #	US-PATENT-3,757,659	c 14	N73-32322* #
US-PATENT-3,701,894	c 10	N73-13187* #	US-PATENT-3,736,607	c 02	N73-26006* #	US-PATENT-3,758,112	c 05	N73-32014* #
US-PATENT-3,702,463	c 32	N73-13921* #	US-PATENT-3,736,764	c 05	N73-26071* #	US-PATENT-3,758,718	c 10	N73-32143* #
US-PATENT-3,702,520	c 15	N73-13467* #	US-PATENT-3,736,849	c 14	N73-26431* #	US-PATENT-3,758,741	c 15	N73-32358* #
US-PATENT-3,702,532	c 28	N73-13773* #	US-PATENT-3,736,938	c 05	N73-27062* #	US-PATENT-3,758,781	c 14	N73-32317* #
US-PATENT-3,702,536	c 15	N73-13466* #	US-PATENT-3,736,956	c 15	N73-26472* #	US-PATENT-3,758,877	c 16	N73-32391* #
US-PATENT-3,702,575	c 31	N73-14854* #	US-PATENT-3,737,117	c 31	N73-26876* #	US-PATENT-3,759,152	c 14	N73-32319* #
US-PATENT-3,702,688	c 23	N73-13661* #	US-PATENT-3,737,118	c 15	N73-25513* #	US-PATENT-3,759,249	c 05	N73-32015* #
US-PATENT-3,702,735	c 06	N73-13129* #	US-PATENT-3,737,121	c 02	N73-26005* #	US-PATENT-3,759,443	c 28	N73-32606* #
US-PATENT-3,702,762	c 06	N73-13128* #	US-PATENT-3,737,181	c 33	N73-26958* #	US-PATENT-3,759,588	c 15	N73-32359* #
US-PATENT-3,702,775	c 15	N73-13465* #	US-PATENT-3,737,217	c 05	N73-26072* #	US-PATENT-3,759,672	c 14	N73-32320* #
US-PATENT-3,702,791	c 18	N73-13562* #	US-PATENT-3,737,231	c 07	N73-26119* #	US-PATENT-3,759,746	c 09	N73-32108* #
US-PATENT-3,702,841	c 10	N73-13235* #	US-PATENT-3,737,237	c 26	N73-26751* #	US-PATENT-3,759,747	c 44	N74-19692* #
US-PATENT-3,702,898	c 23	N73-13662* #	US-PATENT-3,737,639	c 10	N73-26230* #	US-PATENT-3,759,787	c 22	N73-32528* #
US-PATENT-3,702,933	c 09	N73-13208* #	US-PATENT-3,737,676	c 10	N73-26229* #	US-PATENT-3,760,239	c 09	N73-32112* #
US-PATENT-3,702,951	c 16	N73-13489* #	US-PATENT-3,737,757	c 10	N73-26228* #	US-PATENT-3,760,248	c 10	N73-32145* #
US-PATENT-3,702,972	c 14	N73-13420* #	US-PATENT-3,737,762	c 14	N73-28486* #	US-PATENT-3,760,257	c 09	N73-32109* #
US-PATENT-3,702,979	c 74	N81-19898* #	US-PATENT-3,737,776	c 07	N73-26118* #	US-PATENT-3,760,268	c 14	N73-32318* #
US-PATENT-3,704,284	c 14	N73-14427* #	US-PATENT-3,737,781	c 10	N73-25241* #	US-PATENT-3,760,394	c 10	N73-32144* #
US-PATENT-3,704,659	c 15	N73-14469* #	US-PATENT-3,737,815	c 09	N73-26195* #	US-PATENT-3,762,884	c 17	N73-32414* #
US-PATENT-3,705,255	c 15	N73-14468* #	US-PATENT-3,737,824	c 26	N73-26752* #	US-PATENT-3,762,918	c 17	N73-32415* #
US-PATENT-3,705,288	c 09	N73-14214* #	US-PATENT-3,737,905	c 14	N73-26432* #	US-PATENT-3,763,204	c 06	N73-32030* #
US-PATENT-3,705,316	c 07	N73-14130* #	US-PATENT-3,737,912	c 07	N73-26117* #	US-PATENT-3,763,552	c 26	N73-32571* #
US-PATENT-3,705,406	c 14	N73-14429* #	US-PATENT-3,739,646	c 04	N76-26175* #	US-PATENT-3,763,691	c 14	N73-32327* #
US-PATENT-3,706,221	c 31	N73-14855* #	US-PATENT-3,740,671	c 10	N73-27171* #	US-PATENT-3,763,708	c 35	N74-18323* #
US-PATENT-3,706,230	c 31	N73-14853* #	US-PATENT-3,740,725	c 08	N73-26176* #	US-PATENT-3,763,740	c 11	N73-32152* #
US-PATENT-3,706,281	c 18	N73-14584* #	US-PATENT-3,741,001	c 14	N73-27376* #	US-PATENT-3,763,928	c 33	N73-2818* #
US-PATENT-3,706,583	c 21	N73-14692* #	US-PATENT-3,742,316	c 09	N73-27150* #	US-PATENT-3,764,097	c 02	N74-10034* #
US-PATENT-3,706,970	c 27	N73-16764* #	US-PATENT-3,744,128	c 09	N73-28083* #	US-PATENT-3,764,209	c 14	N73-33361* #
US-PATENT-3,708,359	c 33	N73-16918* #	US-PATENT-3,744,148	c 14	N73-28489* #	US-PATENT-3,764,220	c 16	N73-33397* #
US-PATENT-3,708,419	c 14	N73-16483* #	US-PATENT-3,744,247	c 28	N73-27699* #	US-PATENT-3,764,790	c 33	N74-10223* #
US-PATENT-3,708,671	c 14	N73-16484* #	US-PATENT-3,744,294	c 14	N73-27379* #	US-PATENT-3,764,850	c 33	N74-10195* #
US-PATENT-3,708,674	c 06	N73-16106* #	US-PATENT-3,744,305	c 12	N73-28144* #	US-PATENT-3,764,933	c 33	N74-10194* #
US-PATENT-3,709,663	c 16	N73-16536* #	US-PATENT-3,744,320	c 14	N73-28487* #	US-PATENT-3,765,229	c 35	N74-10415* #
US-PATENT-3,710,122	c 07	N73-16121* #	US-PATENT-3,744,480	c 05	N73-27941* #	US-PATENT-3,765,958	c 26	N74-10521* #
US-PATENT-3,710,257	c 10	N73-16205* #	US-PATENT-3,744,510	c 15	N73-27406* #	US-PATENT-3,766,315	c 32	N74-10132* #
US-PATENT-3,710,261	c 10	N73-16206* #	US-PATENT-3,744,738	c 14	N73-27378* #	US-PATENT-3,766,380	c 35	N74-11284* #
US-PATENT-3,710,329	c 02	N73-19004* #	US-PATENT-3,744,739	c 15	N77-10112* #	US-PATENT-3,767,212	c 37	N74-10474* #
US-PATENT-3,711,042	c 14	N77-21941* #	US-PATENT-3,744,794	c 14	N73-27377* #	US-PATENT-3,769,544	c 31	N78-17238* #
US-PATENT-3,711,701	c 74	N73-19421* #	US-PATENT-3,744,912	c 16	N73-30476* #	US-PATENT-3,769,623	c 32	N74-11000* #
US-PATENT-3,712,120	c 14	N73-19420* #	US-PATENT-3,744,913	c 14	N73-28490* #	US-PATENT-3,769,689	c 37	N74-11301* #
US-PATENT-3,712,121	c 14	N73-20478* #	US-PATENT-3,744,972	c 17	N73-27446* #	US-PATENT-3,769,834	c 52	N74-10975* #
US-PATENT-3,712,132	c 14	N73-19419* #	US-PATENT-3,745,082	c 18	N73-30532* #	US-PATENT-3,770,021	c 33	N74-11050* #
US-PATENT-3,712,195	c 15	N73-19458* #	US-PATENT-3,745,089	c 06	N73-27086* #	US-PATENT-3,770,903	c 35	N74-11283* #
US-PATENT-3,712,591	c 09	N73-19234* #	US-PATENT-3,745,090	c 04	N73-27052* #	US-PATENT-3,770,933	c 37	N74-11300* #
US-PATENT-3,713,163	c 28	N73-19793* #	US-PATENT-3,745,149	c 06	N73-27980* #	US-PATENT-3,771,037	c 08	N74-10942* #
US-PATENT-3,713,290	c 05	N73-20137* #	US-PATENT-3,745,255	c 07	N73-28012* #	US-PATENT-3,771,040	c 33	N74-11049* #
US-PATENT-3,713,480	c 15	N73-20514* #	US-PATENT-3,745,300	c 15	N73-28515* #	US-PATENT-3,771,074	c 36	N74-11313* #
US-PATENT-3,713,987	c 15	N73-19457* #	US-PATENT-3,745,352	c 08	N73-30135* #	US-PATENT-3,771,959	c 25	N74-12813* #
US-PATENT-3,714,332	c 10	N73-20253* #	US-PATENT-3,745,357	c 14	N73-28488* #	US-PATENT-3,772,174	c 27	N74-13270* #
US-PATENT-3,714,405	c 14	N73-20475* #	US-PATENT-3,745,410	c 09	N73-30181* #	US-PATENT-3,772,216	c 27	N74-12812* #
US-PATENT-3,714,432	c 09	N73-19235* #	US-PATENT-3,745,475	c 14	N73-30386* #	US-PATENT-3,772,220	c 27	N74-12814* #
US-PATENT-3,714,526	c 09	N73-20231* #	US-PATENT-3,745,739	c 15	N73-27405* #	US-PATENT-3,772,272	c 33	N74-12887* #
US-PATENT-3,714,588	c 14	N73-20474* #	US-PATENT-3,745,816	c 33	N73-27796* #	US-PATENT-3,772,418	c 31	N74-13177* #
US-PATENT-3,714,624	c 08	N73-20217* #	US-PATENT-3,746,998	c 07	N73-30113* #	US-PATENT-3,772,691	c 32	N74-12912* #
US-PATENT-3,714,645	c 14	N73-20476* #	US-PATENT-3,747,111	c 07	N73-28013* #	US-PATENT-3,773,038	c 52	N74-12778* #
US-PATENT-3,714,821	c 11	N73-20267* #	US-PATENT-3,748,722	c 15	N73-33383* #	US-PATENT-3,773,913	c 46	N74-13011* #
US-PATENT-3,714,833	c 03	N73-20039* #	US-PATENT-3,748,853	c 23	N73-30665* #	US-PATENT-3,775,101	c 37	N74-13179* #
US-PATENT-3,715,092	c 23	N73-20741* #	US-PATENT-3,748,905	c 14	N73-30395* #	US-PATENT-3,775,570	c 35	N78-29421* #
US-PATENT-3,715,152	c 14	N73-20477* #	US-PATENT-3,749,123	c 15	N73-30459* #	US-PATENT-3,776,028	c 35	N74-13129* #
US-PATENT-3,715,590	c 03	N73-20040* #	US-PATENT-3,749,156	c 31	N73-30829* #	US-PATENT-3,776,432	c 37	N74-13178* #
US-PATENT-3,715,600	c 07	N73-20175* #	US-PATENT-3,749,205	c 15	N73-30460* #	US-PATENT-3,776,455	c 04	N74-13420* #
US-PATENT-3,715,663	c 07	N73-20174* #	US-PATENT-3,749,332	c 31	N73-32750* #	US-PATENT-3,777,200	c 33	N74-12913* #
US-PATENT-3,715,693	c 09	N73-20232* #	US-PATENT-3,749,362	c 15	N73-30457* #	US-PATENT-3,777,490	c 20	N74-13502* #
US-PATENT-3,715,723	c 07	N73-20176* #	US-PATENT-3,749,831	c 07	N73-30115* #	US-PATENT-3,777,546	c 35	N74-13132* #
US-PATENT-3,715,915	c 32	N73-20740* #	US-PATENT-3,749,911	c 14	N73-30389* #	US-PATENT-3,777,552	c 38	N74-15130* #
US-PATENT-3,718,863	c 10	N73-20254* #	US-PATENT-3,750,016	c 14	N73-30388* #	US-PATENT-3,777,605	c 39	N74-13131* #
US-PATENT-3,719,891	c 07	N73-25160* #	US-PATENT-3,750,035	c 33	N77-13315* #	US-PATENT-3,777,811	c 34	N78-17336* #
US-PATENT-3,720,075	c 33	N73-25952* #	US-PATENT-3,750,067	c 09	N73-30185* #	US-PATENT-3,777,942	c 54	N74-12779* #
US-PATENT-3,720,208	c 05	N73-25125* #	US-PATENT-3,750,131	c 10	N73-30205* #	US-PATENT-3,778,685	c 33	N74-12951* #
US-PATENT-3,723,745	c 14	N73-25462* #	US-PATENT-3,750,168	c 21	N73-30641* #	US-PATENT-3,778,786	c 60	N74-12888* #
US-PATENT-3,728,861	c 28	N73-24783* #	US-PATENT-3,750,479	c 05	N73-30078* #	US-PATENT-3,778,791	c 36	N74-13205* #
US-PATENT-3,729,068	c 15	N73-25512* #	US-PATENT-3,751,123	c 15	N73-30458* #	US-PATENT-3,778,788	c 70	N74-13436* #
US-PATENT-3,729,129	c 08	N73-25206* #	US-PATENT-3,751,727	c 05	N73-32012* #	US-PATENT-3,780,151	c 31	N74-14133* #
US-PATENT-3,729,260	c 14	N73-25463* #	US-PATENT-3,751,733	c 05	N73-32013* #	US-PATENT-3,780,424	c 44	N74-14784* #
US-PATENT-3,729,343	c 14	N73-24472* #	US-PATENT-3,751,913	c 06	N73-30097* #	US-PATENT-3,780,563	c 35	N74-15092* #
US-PATENT-3,729,676	c 14	N73-24473* #	US-PATENT-3,751,980	c 14	N73-32326* #	US-PATENT-3,780,827	c 07	N74-15453* #

US-PATENT-3,781,562	c 35	N74-15091* #	US-PATENT-3,811,044	c 34	N74-23066* #	US-PATENT-3,849,720	c 33	N77-26387* #
US-PATENT-3,781,902	c 35	N74-15831* #	US-PATENT-3,811,094	c 33	N74-21851* #	US-PATENT-3,849,865	c 37	N75-13261* #
US-PATENT-3,781,933	c 54	N74-14845* #	US-PATENT-3,811,429	c 52	N74-27566* #	US-PATENT-3,849,875	c 35	N75-13213* #
US-PATENT-3,781,958	c 37	N74-15128* #	US-PATENT-3,811,901	c 27	N82-29454* #	US-PATENT-3,849,877	c 24	N75-13032* #
US-PATENT-3,782,177	c 38	N74-15395* #	US-PATENT-3,812,358	c 35	N74-26949* #	US-PATENT-3,850,169	c 54	N75-13531* #
US-PATENT-3,782,181	c 34	N74-15652* #	US-PATENT-3,812,783	c 28	N74-27425* #	US-PATENT-3,850,388	c 05	N75-12930* #
US-PATENT-3,782,205	c 35	N74-15094* #	US-PATENT-3,812,924	c 35	N74-26945* #	US-PATENT-3,850,567	c 31	N75-13111* #
US-PATENT-3,782,334	c 51	N74-15778* #	US-PATENT-3,812,936	c 37	N74-26976* #	US-PATENT-3,850,754	c 51	N75-13502* #
US-PATENT-3,782,698	c 35	N74-15093* #	US-PATENT-3,813,183	c 37	N74-25968* #	US-PATENT-3,851,162	c 60	N75-13539* #
US-PATENT-3,782,699	c 35	N74-15126* #	US-PATENT-3,813,875	c 15	N74-27360* #	US-PATENT-3,851,238	c 33	N75-13139* #
US-PATENT-3,782,737	c 37	N74-15125* #	US-PATENT-3,813,937	c 34	N74-27859* #	US-PATENT-3,851,250	c 15	N75-13007* #
US-PATENT-3,782,825	c 35	N74-15146* #	US-PATENT-3,814,083	c 52	N74-26626* #	US-PATENT-3,853,003	c 09	N75-12969* #
US-PATENT-3,782,835	c 74	N74-15095* #	US-PATENT-3,814,350	c 18	N74-27397* #	US-PATENT-3,853,075	c 09	N75-12968* #
US-PATENT-3,782,904	c 35	N74-15127* #	US-PATENT-3,814,645	c 24	N74-30001* #	US-PATENT-3,854,097	c 75	N75-13625* #
US-PATENT-3,783,250	c 62	N74-14920* #	US-PATENT-3,814,653	c 24	N74-27035* #	US-PATENT-3,854,113	c 37	N75-13265* #
US-PATENT-3,783,354	c 33	N74-14956* #	US-PATENT-3,814,678	c 25	N74-26948* #	US-PATENT-3,855,873	c 37	N75-13266* #
US-PATENT-3,783,399	c 33	N74-14939* #	US-PATENT-3,814,939	c 25	N74-26947* #	US-PATENT-3,856,042	c 37	N75-15050* #
US-PATENT-3,783,443	c 35	N74-16135* #	US-PATENT-3,815,048	c 33	N74-26732* #	US-PATENT-3,856,402	c 36	N75-15028* #
US-PATENT-3,784,499	c 27	N74-17283* #	US-PATENT-3,815,109	c 52	N74-26625* #	US-PATENT-3,856,471	c 25	N75-14844* #
US-PATENT-3,785,836	c 27	N82-29452* #	US-PATENT-3,815,205	c 33	N74-26977* #	US-PATENT-3,856,534	c 23	N75-14834* #
US-PATENT-3,787,959	c 37	N74-18128* #	US-PATENT-3,815,969	c 35	N74-26946* #	US-PATENT-3,857,031	c 35	N75-15014* #
US-PATENT-3,788,163	c 37	N74-18127* #	US-PATENT-3,816,657	c 32	N74-26654* #	US-PATENT-3,857,045	c 33	N75-14957* #
US-PATENT-3,789,654	c 25	N74-18551* #	US-PATENT-3,816,785	c 73	N74-26767* #	US-PATENT-3,859,119	c 36	N75-15029* #
US-PATENT-3,789,920	c 34	N74-18552* #	US-PATENT-3,817,082	c 34	N74-27730* #	US-PATENT-3,859,714	c 37	N75-15992* #
US-PATENT-3,789,947	c 37	N74-18125* #	US-PATENT-3,817,084	c 31	N74-27900* #	US-PATENT-3,859,736	c 24	N79-25143* #
US-PATENT-3,790,037	c 54	N74-17853* #	US-PATENT-3,817,622	c 75	N74-30156* #	US-PATENT-3,859,730	c 09	N75-15662* #
US-PATENT-3,790,347	c 37	N74-18123* #	US-PATENT-3,817,627	c 35	N74-27860* #	US-PATENT-3,859,840	c 35	N75-15932* #
US-PATENT-3,790,409	c 44	N74-19693* #	US-PATENT-3,818,325	c 44	N74-27519* #	US-PATENT-3,859,845	c 35	N75-15931* #
US-PATENT-3,790,432	c 37	N74-18126* #	US-PATENT-3,818,346	c 33	N74-27705* #	US-PATENT-3,860,342	c 35	N75-16783* #
US-PATENT-3,790,650	c 31	N74-18124* #	US-PATENT-3,818,767	c 35	N74-28097* #	US-PATENT-3,860,393	c 25	N76-18245* #
US-PATENT-3,790,795	c 35	N74-18088* #	US-PATENT-3,818,775	c 37	N74-27901* #	US-PATENT-3,860,858	c 33	N75-15874* #
US-PATENT-3,790,906	c 33	N74-17927* #	US-PATENT-3,818,814	c 31	N74-27902* #	US-PATENT-3,860,921	c 32	N75-15854* #
US-PATENT-3,791,207	c 09	N74-17955* #	US-PATENT-3,819,299	c 37	N74-27904* #	US-PATENT-3,860,946	c 33	N79-11314* #
US-PATENT-3,792,399	c 33	N74-17928* #	US-PATENT-3,819,419	c 34	N74-27861* #	US-PATENT-3,863,881	c 37	N75-18573* #
US-PATENT-3,793,109	c 31	N74-18089* #	US-PATENT-3,819,440	c 32	N74-27612* #	US-PATENT-3,864,060	c 35	N75-19611* #
US-PATENT-3,795,134	c 09	N74-19528* #	US-PATENT-3,819,550	c 27	N74-27037* #	US-PATENT-3,864,239	c 37	N75-19664* #
US-PATENT-3,795,448	c 72	N74-19310* #	US-PATENT-3,820,095	c 33	N74-27862* #	US-PATENT-3,864,542	c 37	N75-19683* #
US-PATENT-3,795,840	c 33	N74-17929* #	US-PATENT-3,820,286	c 37	N74-27905* #	US-PATENT-3,864,797	c 20	N75-18310* #
US-PATENT-3,795,858	c 35	N74-18090* #	US-PATENT-3,820,388	c 35	N74-27865* #	US-PATENT-3,864,953	c 35	N75-19615* #
US-PATENT-3,795,862	c 33	N74-17930* #	US-PATENT-3,820,529	c 52	N74-27864* #	US-PATENT-3,864,960	c 35	N75-19612* #
US-PATENT-3,795,900	c 35	N74-17885* #	US-PATENT-3,820,630	c 07	N74-27490* #	US-PATENT-3,865,442	c 37	N75-18574* #
US-PATENT-3,795,910	c 44	N74-19870* #	US-PATENT-3,820,741	c 37	N74-27903* #	US-PATENT-3,865,975	c 36	N75-19652* #
US-PATENT-3,796,473	c 37	N74-20063* #	US-PATENT-3,820,918	c 07	N74-28226* #	US-PATENT-3,866,022	c 33	N75-19519* #
US-PATENT-3,796,592	c 24	N74-19769* #	US-PATENT-3,821,102	c 34	N74-27744* #	US-PATENT-3,866,114	c 33	N75-18477* #
US-PATENT-3,797,098	c 37	N74-21057* #	US-PATENT-3,821,462	c 33	N74-27683* #	US-PATENT-3,866,128	c 33	N75-19515* #
US-PATENT-3,797,919	c 70	N74-21300* #	US-PATENT-3,821,546	c 33	N74-27682* #	US-PATENT-3,866,210	c 33	N75-19517* #
US-PATENT-3,798,741	c 31	N74-21059* #	US-PATENT-3,821,556	c 74	N74-27866* #	US-PATENT-3,866,233	c 33	N75-19519* #
US-PATENT-3,798,748	c 37	N74-21055* #	US-PATENT-3,824,707	c 09	N74-30597* #	US-PATENT-3,866,863	c 18	N75-19329* #
US-PATENT-3,798,778	c 19	N74-21015* #	US-PATENT-3,825,760	c 19	N74-29410* #	US-PATENT-3,867,677	c 33	N75-19524* #
US-PATENT-3,798,896	c 37	N74-21060* #	US-PATENT-3,826,448	c 08	N74-30421* #	US-PATENT-3,868,591	c 36	N75-19655* #
US-PATENT-3,799,149	c 52	N74-20728* #	US-PATENT-3,826,726	c 25	N74-30502* #	US-PATENT-3,868,830	c 77	N75-20139* #
US-PATENT-3,799,475	c 02	N74-20646* #	US-PATENT-3,826,729	c 20	N74-31269* #	US-PATENT-3,868,856	c 35	N75-19614* #
US-PATENT-3,799,793	c 74	N74-20008* #	US-PATENT-3,826,964	c 33	N74-29556* #	US-PATENT-3,869,151	c 37	N75-19686* #
US-PATENT-3,799,813	c 76	N74-20329* #	US-PATENT-3,827,288	c 71	N74-31148* #	US-PATENT-3,869,160	c 37	N75-19685* #
US-PATENT-3,800,074	c 36	N74-20009* #	US-PATENT-3,827,807	c 89	N74-30886* #	US-PATENT-3,869,210	c 36	N75-19653* #
US-PATENT-3,800,082	c 71	N74-21014* #	US-PATENT-3,828,137	c 32	N74-30524* #	US-PATENT-3,869,212	c 35	N75-19613* #
US-PATENT-3,800,224	c 32	N74-19790* #	US-PATENT-3,828,138	c 32	N74-30523* #	US-PATENT-3,869,597	c 77	N75-20140* #
US-PATENT-3,800,227	c 32	N74-20809* #	US-PATENT-3,828,524	c 34	N74-30608* #	US-PATENT-3,869,615	c 35	N75-19616* #
US-PATENT-3,800,237	c 32	N74-19788* #	US-PATENT-3,829,237	c 07	N74-31270* #	US-PATENT-3,869,624	c 33	N75-18479* #
US-PATENT-3,800,253	c 37	N74-21056* #	US-PATENT-3,829,839	c 60	N76-18800* #	US-PATENT-3,869,659	c 33	N75-19522* #
US-PATENT-3,801,617	c 37	N74-21058* #	US-PATENT-3,830,060	c 44	N74-33379* #	US-PATENT-3,869,667	c 33	N75-19521* #
US-PATENT-3,802,249	c 35	N74-21019* #	US-PATENT-3,830,094	c 35	N74-32879* #	US-PATENT-3,869,676	c 33	N75-19520* #
US-PATENT-3,802,253	c 52	N74-20726* #	US-PATENT-3,830,335	c 07	N74-32418* #	US-PATENT-3,869,680	c 36	N75-19654* #
US-PATENT-3,802,262	c 35	N74-21018* #	US-PATENT-3,830,431	c 07	N74-33218* #	US-PATENT-3,869,779	c 26	N75-19408* #
US-PATENT-3,802,660	c 37	N74-21065* #	US-PATENT-3,830,552	c 37	N74-32921* #	US-PATENT-3,872,395	c 33	N75-19518* #
US-PATENT-3,802,753	c 37	N74-21064* #	US-PATENT-3,830,609	c 31	N74-32920* #	US-PATENT-3,874,240	c 35	N75-25122* #
US-PATENT-3,802,779	c 74	N74-21304* #	US-PATENT-3,830,673	c 28	N74-33209* #	US-PATENT-3,874,635	c 37	N75-25185* #
US-PATENT-3,803,090	c 27	N74-21156* #	US-PATENT-3,831,098	c 33	N74-32711* #	US-PATENT-3,874,677	c 37	N75-21631* #
US-PATENT-3,803,393	c 60	N74-20836* #	US-PATENT-3,831,117	c 33	N74-32712* #	US-PATENT-3,875,332	c 32	N75-21486* #
US-PATENT-3,803,445	c 32	N74-20813* #	US-PATENT-3,831,142	c 32	N74-32598* #	US-PATENT-3,875,394	c 33	N75-26243* #
US-PATENT-3,803,617	c 32	N74-20863* #	US-PATENT-3,832,290	c 20	N74-32919* #	US-PATENT-3,875,404	c 35	N75-23910* #
US-PATENT-3,804,472	c 37	N74-21061* #	US-PATENT-3,832,735	c 54	N74-32546* #	US-PATENT-3,875,435	c 20	N75-24837* #
US-PATENT-3,804,506	c 33	N74-20861* #	US-PATENT-3,832,764	c 37	N74-32918* #	US-PATENT-3,875,500	c 35	N75-21582* #
US-PATENT-3,804,525	c 36	N74-21091* #	US-PATENT-3,832,781	c 35	N74-32877* #	US-PATENT-3,875,584	c 32	N75-21485* #
US-PATENT-3,804,703	c 37	N74-21063* #	US-PATENT-3,832,903	c 35	N74-32678* #	US-PATENT-3,877,833	c 37	N75-25186* #
US-PATENT-3,805,266	c 32	N74-20864* #	US-PATENT-3,833,322	c 31	N74-32917* #	US-PATENT-3,878,464	c 32	N75-24981* #
US-PATENT-3,805,303	c 54	N74-20725* #	US-PATENT-3,833,336	c 25	N74-33378* #	US-PATENT-3,881,132	c 33	N77-21315* #
US-PATENT-3,805,622	c 35	N74-21062* #	US-PATENT-3,833,857	c 33	N74-32660* #	US-PATENT-3,882,417	c 36	N78-17366* #
US-PATENT-3,806,756	c 33	N74-21850* #	US-PATENT-3,835,318	c 35	N74-34857* #	US-PATENT-3,882,530	c 76	N75-25730* #
US-PATENT-3,806,802	c 35	N74-21017* #	US-PATENT-3,837,285	c 85	N74-34672* #	US-PATENT-3,882,634	c 51	N75-25503* #
US-PATENT-3,806,815	c 32	N74-20811* #	US-PATENT-3,837,908	c 76	N79-16678* #	US-PATENT-3,882,719	c 14	N75-24794* #
US-PATENT-3,806,816	c 32	N74-20810* #	US-PATENT-3,840,829	c 33	N74-34638* #	US-PATENT-3,882,732	c 12	N75-24774* #
US-PATENT-3,806,831	c 33	N74-20862* #	US-PATENT-3,841,973	c 35	N75-12272* #	US-PATENT-3,882,846	c 05	N75-24716* #
US-PATENT-3,806,834	c 36	N76-18427* #	US-PATENT-3,842,485	c 37	N75-12326* #	US-PATENT-3,883,095	c 07	N75-24736* #
US-PATENT-3,806,835	c 33	N74-20859* #	US-PATENT-3,842,509	c 35	N75-12273* #	US-PATENT-3,883,215	c 35	N75-25124* #
US-PATENT-3,806,932	c 33	N74-20860* #	US-PATENT-3,842,656	c 76	N75-12810* #	US-PATENT-3,883,436	c 74	N75-25706* #
US-PATENT-3,807,384	c 34	N74-23039* #	US-PATENT-3,845,466	c 74	N81-19896* #	US-PATENT-3,883,689	c 35	N75-25123* #
US-PATENT-3,807,656	c 18	N74-22136* #	US-PATENT-3,846,243	c 25	N75-12086* #	US-PATENT-3,883,785	c 09	N75-24758* #
US-PATENT-3,808,464	c 33	N74-22814* #	US-PATENT-3,847,115	c 31	N75-12161* #	US-PATENT-3,883,812	c 33	N75-25041* #
US-PATENT-3,808,511	c 33	N74-22864* #	US-PATENT-3,847,141	c 35	N75-12271* #	US-PATENT-3,883,817	c 33	N75-25040* #
US-PATENT-3,808,517	c 33	N74-22865* #	US-PATENT-3,847,208	c 34	N75-12222* #	US-PATENT-3,883,872	c 32	N75-24982* #
US-PATENT-3,809,481	c 35	N74-23040* #	US-PATENT-3,847,652	c 25	N75-12087* #	US-PATENT-3,884,432	c 05	N75-25914* #
US-PATENT-3,809,601	c 37	N74-23064* #	US-PATENT-3,847,689	c 74	N75-12732* #	US-PATENT-3,884,765	c 35	N75-27330* #
US-PATENT-3,809,800	c 33	N74-22865* #	US-PATENT-3,848,190	c 35	N75-12270* #	US-PATENT-3,887,233	c 05	N75-25915* #
US-PATENT-3,809,871	c 52	N74-22771* #	US-PATENT-3,849,554					

US-PATENT-3,888,362	c 54	N75-27758* #	US-PATENT-3,924,239	c 35	N76-15435* #	US-PATENT-3,964,902	c 34	N76-27515* #
US-PATENT-3,888,410	c 34	N75-26282* #	US-PATENT-3,924,267	c 35	N76-16391* #	US-PATENT-3,964,928	c 44	N76-27664* #
US-PATENT-3,888,561	c 35	N75-27328* #	US-PATENT-3,924,444	c 35	N76-15432* #	US-PATENT-3,965,096	c 27	N76-32315* #
US-PATENT-3,888,705	c 25	N75-26043* #	US-PATENT-3,925,104	c 35	N76-15434* #	US-PATENT-3,965,354	c 33	N76-27473* #
US-PATENT-3,889,064	c 32	N75-26195* #	US-PATENT-3,925,312	c 23	N76-15268* #	US-PATENT-3,965,475	c 33	N76-27472* #
US-PATENT-3,889,122	c 37	N75-26372* #	US-PATENT-3,926,482	c 37	N76-15461* #	US-PATENT-3,966,499	c 44	N76-31666* #
US-PATENT-3,889,155	c 33	N75-26244* #	US-PATENT-3,926,567	c 27	N76-15311* #	US-PATENT-3,966,547	c 25	N76-27383* #
US-PATENT-3,889,182	c 33	N75-26245* #	US-PATENT-3,927,227	c 12	N76-15189* #	US-PATENT-3,967,091	c 37	N76-27568* #
US-PATENT-3,889,185	c 33	N75-26246* #	US-PATENT-3,927,324	c 35	N76-15433* #	US-PATENT-3,971,230	c 37	N76-29590* #
US-PATENT-3,889,264	c 32	N75-26194* #	US-PATENT-3,927,408	c 32	N76-15329* #	US-PATENT-3,971,256	c 91	N76-30131* #
US-PATENT-3,891,311	c 54	N75-27759* #	US-PATENT-3,928,708	c 27	N76-16230* #	US-PATENT-3,971,362	c 52	N76-29894* #
US-PATENT-3,891,452	c 27	N75-27160* #	US-PATENT-3,929,119	c 75	N76-17951* #	US-PATENT-3,971,363	c 52	N76-29895* #
US-PATENT-3,891,533	c 33	N75-27252* #	US-PATENT-3,929,305	c 34	N76-17317* #	US-PATENT-3,971,364	c 52	N76-29896* #
US-PATENT-3,891,848	c 45	N75-27585* #	US-PATENT-3,929,306	c 18	N76-17185* #	US-PATENT-3,971,535	c 05	N76-29217* #
US-PATENT-3,891,851	c 35	N75-27331* #	US-PATENT-3,929,364	c 35	N76-16392* #	US-PATENT-3,971,602	c 37	N76-29588* #
US-PATENT-3,893,449	c 54	N75-27760* #	US-PATENT-3,930,628	c 02	N76-16014* #	US-PATENT-3,971,697	c 25	N76-29379* #
US-PATENT-3,893,458	c 54	N75-27761* #	US-PATENT-3,930,735	c 66	N76-19888* #	US-PATENT-3,971,703	c 51	N76-29891* #
US-PATENT-3,893,573	c 18	N75-27041* #	US-PATENT-3,931,132	c 27	N76-16228* #	US-PATENT-3,971,847	c 44	N76-29704* #
US-PATENT-3,894,289	c 36	N75-27364* #	US-PATENT-3,931,447	c 27	N76-16229* #	US-PATENT-3,971,915	c 35	N76-29552* #
US-PATENT-3,894,677	c 24	N75-28135* #	US-PATENT-3,931,456	c 33	N76-16332* #	US-PATENT-3,971,930	c 74	N76-30053* #
US-PATENT-3,894,887	c 44	N76-18641* #	US-PATENT-3,931,462	c 45	N76-17656* #	US-PATENT-3,971,940	c 35	N76-29551* #
US-PATENT-3,895,521	c 35	N75-29381* #	US-PATENT-3,931,516	c 35	N76-16393* #	US-PATENT-3,972,008	c 36	N76-29575* #
US-PATENT-3,895,912	c 35	N75-29380* #	US-PATENT-3,931,532	c 44	N76-16612* #	US-PATENT-3,972,038	c 17	N76-29347* #
US-PATENT-3,896,758	c 35	N75-33367* #	US-PATENT-3,932,262	c 25	N79-10163* #	US-PATENT-3,972,651	c 44	N76-29701* #
US-PATENT-3,896,955	c 37	N77-22480* #	US-PATENT-3,936,927	c 37	N76-19437* #	US-PATENT-3,972,727	c 44	N76-29699* #
US-PATENT-3,898,578	c 33	N75-30428* #	US-PATENT-3,937,055	c 37	N76-18454* #	US-PATENT-3,976,997	c 62	N76-31946* #
US-PATENT-3,898,730	c 24	N75-30260* #	US-PATENT-3,937,212	c 33	N76-19338* #	US-PATENT-3,977,147	c 39	N76-31562* #
US-PATENT-3,898,882	c 35	N75-30503* #	US-PATENT-3,937,215	c 52	N76-19785* #	US-PATENT-3,977,197	c 44	N76-31469* #
US-PATENT-3,899,224	c 37	N75-30562* #	US-PATENT-3,937,387	c 37	N76-18455* #	US-PATENT-3,977,231	c 35	N76-31469* #
US-PATENT-3,899,252	c 35	N75-30502* #	US-PATENT-3,937,533	c 37	N76-18459* #	US-PATENT-3,977,771	c 74	N76-31998* #
US-PATENT-3,899,517	c 23	N75-30256* #	US-PATENT-3,937,555	c 35	N76-18402* #	US-PATENT-3,977,787	c 35	N76-31490* #
US-PATENT-3,899,680	c 73	N75-30876* #	US-PATENT-3,937,661	c 37	N76-18456* #	US-PATENT-3,977,831	c 45	N76-31714* #
US-PATENT-3,899,696	c 36	N75-30524* #	US-PATENT-3,937,945	c 74	N76-18913* #	US-PATENT-3,978,187	c 37	N76-31524* #
US-PATENT-3,899,745	c 33	N75-30429* #	US-PATENT-3,938,035	c 33	N76-19339* #	US-PATENT-3,978,287	c 32	N76-31372* #
US-PATENT-3,900,705	c 33	N75-30431* #	US-PATENT-3,938,037	c 26	N76-18257* #	US-PATENT-3,978,360	c 33	N76-31409* #
US-PATENT-3,900,741	c 35	N75-30504* #	US-PATENT-3,938,162	c 32	N76-18295* #	US-PATENT-3,978,364	c 31	N76-31365* #
US-PATENT-3,900,847	c 03	N75-30132* #	US-PATENT-3,938,182	c 33	N76-18353* #	US-PATENT-3,978,410	c 03	N76-32140* #
US-PATENT-3,902,143	c 33	N75-30430* #	US-PATENT-3,938,188	c 33	N76-18345* #	US-PATENT-3,978,417	c 36	N76-31512* #
US-PATENT-3,903,699	c 44	N75-32581* #	US-PATENT-3,938,367	c 35	N76-18401* #	US-PATENT-3,978,490	c 33	N76-32457* #
US-PATENT-3,905,356	c 33	N75-31329* #	US-PATENT-3,938,373	c 35	N76-18400* #	US-PATENT-3,982,910	c 44	N77-10636* #
US-PATENT-3,905,660	c 37	N75-31446* #	US-PATENT-3,938,742	c 07	N76-18117* #	US-PATENT-3,983,695	c 20	N77-10148* #
US-PATENT-3,906,231	c 33	N75-31332* #	US-PATENT-3,938,892	c 74	N76-19935* #	US-PATENT-3,983,714	c 31	N77-10229* #
US-PATENT-3,906,296	c 33	N75-31331* #	US-PATENT-3,938,956	c 35	N76-18403* #	US-PATENT-3,983,749	c 09	N77-10071* #
US-PATENT-3,906,374	c 33	N75-31330* #	US-PATENT-3,939,048	c 37	N76-18458* #	US-PATENT-3,983,753	c 52	N77-10780* #
US-PATENT-3,906,393	c 36	N75-31427* #	US-PATENT-3,939,439	c 36	N76-18428* #	US-PATENT-3,983,780	c 28	N77-10213* #
US-PATENT-3,906,397	c 36	N75-31426* #	US-PATENT-3,940,097	c 34	N76-18364* #	US-PATENT-3,983,933	c 34	N77-10463* #
US-PATENT-3,906,398	c 36	N75-32441* #	US-PATENT-3,940,621	c 37	N76-18374* #	US-PATENT-3,984,070	c 02	N77-10001* #
US-PATENT-3,906,769	c 24	N75-33181* #	US-PATENT-3,941,355	c 37	N76-19436* #	US-PATENT-3,984,072	c 15	N77-10113* #
US-PATENT-3,906,788	c 35	N75-33369* #	US-PATENT-3,942,398	c 37	N76-20480* #	US-PATENT-3,984,256	c 44	N77-10635* #
US-PATENT-3,906,913	c 37	N76-18457* #	US-PATENT-3,943,368	c 74	N76-20958* #	US-PATENT-3,984,634	c 32	N77-10392* #
US-PATENT-3,906,954	c 52	N75-33640* #	US-PATENT-3,943,442	c 76	N76-20994* #	US-PATENT-3,984,671	c 43	N77-10584* #
US-PATENT-3,907,312	c 37	N75-33395* #	US-PATENT-3,943,763	c 04	N76-20114* #	US-PATENT-3,984,681	c 35	N77-10492* #
US-PATENT-3,907,646	c 35	N75-33368* #	US-PATENT-3,944,485	c 25	N81-19244* #	US-PATENT-3,984,685	c 47	N77-10753* #
US-PATENT-3,907,686	c 34	N75-33342* #	US-PATENT-3,945,801	c 45	N76-21742* #	US-PATENT-3,984,686	c 35	N77-10493* #
US-PATENT-3,908,118	c 38	N78-17395* #	US-PATENT-3,945,879	c 37	N76-21554* #	US-PATENT-3,984,730	c 33	N77-10429* #
US-PATENT-3,909,602	c 38	N78-17396* #	US-PATENT-3,947,281	c 27	N82-29455* #	US-PATENT-3,984,799	c 33	N77-10428* #
US-PATENT-3,910,035	c 20	N76-14190* #	US-PATENT-3,947,933	c 20	N76-21276* #	US-PATENT-3,985,454	c 74	N77-10899* #
US-PATENT-3,910,039	c 20	N76-14191* #	US-PATENT-3,948,102	c 33	N76-21390* #	US-PATENT-3,987,630	c 37	N77-12402* #
US-PATENT-3,910,257	c 52	N76-14757* #	US-PATENT-3,948,470	c 20	N76-21275* #	US-PATENT-3,988,561	c 37	N77-11397* #
US-PATENT-3,910,307	c 37	N76-14463* #	US-PATENT-3,949,206	c 32	N76-21366* #	US-PATENT-3,988,677	c 32	N77-12240* #
US-PATENT-3,910,533	c 18	N76-14186* #	US-PATENT-3,949,400	c 17	N76-21250* #	US-PATENT-3,988,716	c 60	N77-12721* #
US-PATENT-3,910,814	c 24	N76-14204* #	US-PATENT-3,949,404	c 32	N76-21365* #	US-PATENT-3,988,729	c 32	N77-12239* #
US-PATENT-3,911,260	c 35	N76-14431* #	US-PATENT-3,950,729	c 60	N76-21914* #	US-PATENT-3,988,933	c 35	N77-19385* #
US-PATENT-3,911,330	c 33	N76-14373* #	US-PATENT-3,951,129	c 44	N76-22657* #	US-PATENT-3,989,136	c 37	N77-19457* #
US-PATENT-3,912,540	c 44	N76-14600* #	US-PATENT-3,952,083	c 27	N76-22376* #	US-PATENT-3,989,206	c 09	N77-19076* #
US-PATENT-3,912,541	c 44	N76-14601* #	US-PATENT-3,952,590	c 09	N76-23273* #	US-PATENT-3,989,541	c 44	N77-19571* #
US-PATENT-3,912,999	c 44	N76-18643* #	US-PATENT-3,952,971	c 02	N76-22154* #	US-PATENT-3,989,602	c 24	N77-19171* #
US-PATENT-3,914,950	c 31	N76-14284* #	US-PATENT-3,952,976	c 37	N76-22540* #	US-PATENT-3,990,049	c 60	N77-19760* #
US-PATENT-3,914,969	c 37	N76-14461* #	US-PATENT-3,952,980	c 19	N76-22284* #	US-PATENT-3,990,080	c 27	N77-13217* #
US-PATENT-3,914,991	c 35	N76-14430* #	US-PATENT-3,952,998	c 20	N76-22296* #	US-PATENT-3,990,987	c 37	N77-13418* #
US-PATENT-3,914,997	c 35	N76-14429* #	US-PATENT-3,953,038	c 37	N76-22541* #	US-PATENT-3,994,128	c 07	N77-14025* #
US-PATENT-3,915,012	c 54	N76-14804* #	US-PATENT-3,953,343	c 24	N76-22309* #	US-PATENT-3,995,324	c 52	N77-14735* #
US-PATENT-3,915,148	c 44	N76-14602* #	US-PATENT-3,953,646	c 27	N76-22377* #	US-PATENT-3,995,476	c 35	N77-14407* #
US-PATENT-3,915,416	c 15	N76-14158* #	US-PATENT-3,953,674	c 17	N76-22245* #	US-PATENT-3,995,522	c 37	N77-14478* #
US-PATENT-3,915,482	c 37	N76-14460* #	US-PATENT-3,953,734	c 25	N76-22323* #	US-PATENT-3,995,621	c 52	N77-14736* #
US-PATENT-3,915,572	c 36	N76-14447* #	US-PATENT-3,953,792	c 35	N76-22509* #	US-PATENT-3,995,644	c 52	N77-14738* #
US-PATENT-3,916,060	c 27	N76-15310* #	US-PATENT-3,955,034	c 27	N76-23426* #	US-PATENT-3,995,789	c 37	N77-14479* #
US-PATENT-3,916,084	c 33	N76-14371* #	US-PATENT-3,955,941	c 44	N76-29700* #	US-PATENT-3,995,877	c 37	N77-14477* #
US-PATENT-3,916,187	c 35	N76-15431* #	US-PATENT-3,956,032	c 76	N76-25049* #	US-PATENT-3,995,960	c 35	N77-14411* #
US-PATENT-3,916,316	c 32	N76-14321* #	US-PATENT-3,956,050	c 37	N76-24575* #	US-PATENT-3,996,064	c 44	N77-14581* #
US-PATENT-3,916,380	c 60	N76-14818* #	US-PATENT-3,956,233	c 27	N76-24405* #	US-PATENT-3,996,067	c 44	N77-14580* #
US-PATENT-3,916,761	c 75	N76-14931* #	US-PATENT-3,956,833	c 09	N76-24280* #	US-PATENT-3,996,070	c 35	N77-14409* #
US-PATENT-3,919,014	c 24	N76-14203* #	US-PATENT-3,956,919	c 35	N76-24523* #	US-PATENT-3,996,455	c 60	N77-14751* #
US-PATENT-3,919,710	c 33	N76-14372* #	US-PATENT-3,956,932	c 35	N76-24524* #	US-PATENT-3,996,462	c 33	N77-14335* #
US-PATENT-3,920,339	c 27	N76-14264* #	US-PATENT-3,957,030	c 44	N76-23675* #	US-PATENT-3,996,464	c 35	N77-14406* #
US-PATENT-3,920,413	c 44	N76-14595* #	US-PATENT-3,957,037	c 35	N76-24525* #	US-PATENT-3,996,468	c 35	N77-14408* #
US-PATENT-3,920,416	c 44	N76-18642* #	US-PATENT-3,957,044	c 54	N76-24900* #	US-PATENT-3,996,471	c 52	N77-14737* #
US-PATENT-3,922,930	c 37	N76-15457* #	US-PATENT-3,957,104	c 37	N76-23570* #	US-PATENT-3,996,506	c 33	N77-14333* #
US-PATENT-3,923,166	c 37	N76-15460* #	US-PATENT-3,957,675	c 24	N76-24363* #	US-PATENT-3,996,532	c 32	N77-14292* #
US-PATENT-3,924,068	c 32	N76-16249* #	US-PATENT-3,958,188	c 36	N76-24553* #	US-PATENT-3,997,848	c 33	N77-14334* #
US-PATENT-3,924,137	c 72	N76-15860* #	US-PATENT-3,958,238	c 60	N76-23850* #	US-PATENT-3,999,886	c 05	N77-17029* #
US-PATENT-3,924,164	c 33	N76-15373* #	US-PATENT-3,958,553	c 44	N76-24696* #	US-PATENT-4,049,930	c 33	N78-10375* #
US-PATENT-3,924,176	c 35	N76-16390* #	US-PATENT-3,961,997	c 44	N76-28635* #	US-PATENT-4,356,157	c 25	N83-33977* #

US-PATENT-4,001,552	c 38	N77-17495* #	US-PATENT-4,043,674	c 36	N77-32478* #	US-PATENT-4,070,574	c 74	N78-18905* #
US-PATENT-4,001,602	c 33	N77-17354* #	US-PATENT-4,044,753	c 44	N77-32582* #	US-PATENT-4,072,532	c 27	N78-19302* #
US-PATENT-4,003,004	c 33	N77-17351* #	US-PATENT-4,044,821	c 44	N77-32581* #	US-PATENT-4,075,057	c 73	N78-19920* #
US-PATENT-4,003,084	c 35	N77-17426* #	US-PATENT-4,045,063	c 37	N77-32498* #	US-PATENT-4,077,231	c 11	N78-25256* #
US-PATENT-4,003,297	c 23	N77-17161* #	US-PATENT-4,045,149	c 07	N77-32148* #	US-PATENT-4,077,688	c 44	N78-24608* #
US-PATENT-4,004,292	c 74	N77-18893* #	US-PATENT-4,045,247	c 35	N77-32454* #	US-PATENT-4,077,778	c 28	N78-24365* #
US-PATENT-4,005,574	c 07	N77-17059* #	US-PATENT-4,045,255	c 26	N77-32279* #	US-PATENT-4,077,788	c 28	N81-14103* #
US-PATENT-4,006,631	c 04	N77-19056* #	US-PATENT-4,045,359	c 44	N77-32580* #	US-PATENT-4,077,813	c 26	N78-24333* #
US-PATENT-4,006,999	c 24	N77-19170* #	US-PATENT-4,045,355	c 25	N77-32255* #	US-PATENT-4,077,818	c 44	N78-24609* #
US-PATENT-4,007,430	c 36	N77-19416* #	US-PATENT-4,045,728	c 35	N77-32455* #	US-PATENT-4,077,921	c 24	N78-24290* #
US-PATENT-4,007,434	c 32	N77-18307* #	US-PATENT-4,045,792	c 60	N77-32731* #	US-PATENT-4,078,110	c 34	N78-25350* #
US-PATENT-4,007,601	c 34	N77-19353* #	US-PATENT-4,045,795	c 32	N77-32342* #	US-PATENT-4,078,175	c 76	N78-24950* #
US-PATENT-4,007,623	c 35	N77-18417* #	US-PATENT-4,046,012	c 35	N77-32456* #	US-PATENT-4,078,290	c 37	N78-24544* #
US-PATENT-4,007,891	c 07	N77-18154* #	US-PATENT-4,046,190	c 34	N77-32413* #	US-PATENT-4,078,378	c 37	N78-24545* #
US-PATENT-4,008,348	c 34	N77-18382* #	US-PATENT-4,046,262	c 54	N77-32721* #	US-PATENT-4,079,268	c 32	N78-24391* #
US-PATENT-4,008,407	c 73	N77-18891* #	US-PATENT-4,046,434	c 37	N77-32500* #	US-PATENT-4,080,901	c 20	N78-24275* #
US-PATENT-4,010,455	c 37	N77-19458* #	US-PATENT-4,046,435	c 37	N77-32501* #	US-PATENT-4,081,250	c 44	N78-31527* #
US-PATENT-4,010,455	c 37	N78-31426* #	US-PATENT-4,046,462	c 44	N77-32583* #	US-PATENT-4,082,001	c 35	N78-24515* #
US-PATENT-4,011,719	c 20	N77-20162* #	US-PATENT-4,046,529	c 54	N77-32722* #	US-PATENT-4,082,569	c 44	N78-25527* #
US-PATENT-4,011,756	c 35	N77-20400* #	US-PATENT-4,046,560	c 26	N77-32280* #	US-PATENT-4,083,097	c 44	N78-25528* #
US-PATENT-4,011,854	c 35	N77-20401* #	US-PATENT-4,046,617	c 76	N77-32819* #	US-PATENT-4,083,180	c 07	N78-25089* #
US-PATENT-4,012,018	c 35	N77-20399* #	US-PATENT-4,046,619	c 27	N77-32308* #	US-PATENT-4,083,381	c 37	N78-25426* #
US-PATENT-4,012,123	c 74	N77-20882* #	US-PATENT-4,047,840	c 37	N78-10468* #	US-PATENT-4,083,520	c 15	N78-25119* #
US-PATENT-4,012,237	c 26	N77-20201* #	US-PATENT-4,051,558	c 52	N78-10686* #	US-PATENT-4,083,765	c 35	N78-25391* #
US-PATENT-4,012,696	c 32	N77-20289* #	US-PATENT-4,051,834	c 44	N78-10554* #	US-PATENT-4,084,124	c 44	N78-25531* #
US-PATENT-4,014,745	c 51	N77-22794* #	US-PATENT-4,051,877	c 35	N78-10428* #	US-PATENT-4,084,132	c 33	N78-25319* #
US-PATENT-4,014,798	c 25	N81-17187* #	US-PATENT-4,052,144	c 25	N78-10224* #	US-PATENT-4,084,612	c 34	N78-25351* #
US-PATENT-4,017,959	c 37	N77-23482* #	US-PATENT-4,052,181	c 71	N78-10837* #	US-PATENT-4,084,825	c 07	N78-25090* #
US-PATENT-4,018,080	c 35	N77-22450* #	US-PATENT-4,052,302	c 25	N78-10225* #	US-PATENT-4,084,985	c 44	N78-25529* #
US-PATENT-4,018,085	c 35	N77-22449* #	US-PATENT-4,052,523	c 24	N78-10214* #	US-PATENT-4,085,004	c 73	N78-28913* #
US-PATENT-4,018,092	c 37	N77-22482* #	US-PATENT-4,052,614	c 35	N78-10429* #	US-PATENT-4,085,241	c 44	N78-25530* #
US-PATENT-4,018,099	c 37	N77-23483* #	US-PATENT-4,052,648	c 33	N78-10376* #	US-PATENT-4,085,332	c 25	N78-25148* #
US-PATENT-4,018,423	c 54	N77-21844* #	US-PATENT-4,052,659	c 33	N78-10377* #	US-PATENT-4,087,902	c 33	N78-27326* #
US-PATENT-4,018,532	c 74	N77-22951* #	US-PATENT-4,052,666	c 43	N78-10529* #	US-PATENT-4,087,962	c 34	N78-27357* #
US-PATENT-4,018,533	c 74	N77-22950* #	US-PATENT-4,052,705	c 60	N78-10709* #	US-PATENT-4,087,975	c 44	N78-32542* #
US-PATENT-4,018,649	c 51	N77-25769* #	US-PATENT-4,053,229	c 74	N78-13874* #	US-PATENT-4,088,018	c 37	N78-27424* #
US-PATENT-4,018,971	c 44	N77-22606* #	US-PATENT-4,053,231	c 35	N78-18391* #	US-PATENT-4,088,094	c 51	N78-27733* #
US-PATENT-4,019,179	c 32	N77-21267* #	US-PATENT-4,053,918	c 44	N78-13526* #	US-PATENT-4,088,270	c 07	N78-27121* #
US-PATENT-4,019,868	c 44	N77-22607* #	US-PATENT-4,055,004	c 09	N78-18083* #	US-PATENT-4,088,291	c 37	N78-27425* #
US-PATENT-4,020,632	c 07	N77-23106* #	US-PATENT-4,055,041	c 07	N78-18066* #	US-PATENT-4,088,312	c 37	N78-27423* #
US-PATENT-4,023,266	c 33	N77-26385* #	US-PATENT-4,055,072	c 35	N78-19465* #	US-PATENT-4,088,408	c 74	N78-27904* #
US-PATENT-4,025,327	c 35	N77-24455* #	US-PATENT-4,055,089	c 35	N78-18390* #	US-PATENT-4,088,532	c 25	N78-27226* #
US-PATENT-4,025,783	c 74	N77-26942* #	US-PATENT-4,055,147	c 35	N78-19466* #	US-PATENT-4,088,806	c 24	N78-27180* #
US-PATENT-4,025,866	c 33	N77-24375* #	US-PATENT-4,055,416	c 26	N78-18182* #	US-PATENT-4,088,926	c 75	N78-27913* #
US-PATENT-4,025,875	c 36	N77-25499* #	US-PATENT-4,055,447	c 26	N78-18183* #	US-PATENT-4,088,951	c 35	N78-28411* #
US-PATENT-4,025,876	c 71	N77-26919* #	US-PATENT-4,055,686	c 37	N78-13436* #	US-PATENT-4,088,954	c 35	N78-32397* #
US-PATENT-4,025,891	c 35	N77-24454* #	US-PATENT-4,055,705	c 34	N78-18355* #	US-PATENT-4,088,965	c 36	N78-27402* #
US-PATENT-4,025,950	c 32	N77-24328* #	US-PATENT-4,055,707	c 44	N78-19599* #	US-PATENT-4,088,999	c 44	N78-28594* #
US-PATENT-4,025,964	c 52	N77-25772* #	US-PATENT-4,055,764	c 35	N78-13400* #	US-PATENT-4,089,004	c 32	N80-29539* #
US-PATENT-4,026,527	c 34	N77-24423* #	US-PATENT-4,055,777	c 33	N78-18308* #	US-PATENT-4,089,209	c 35	N78-27384* #
US-PATENT-4,026,655	c 36	N77-25501* #	US-PATENT-4,055,810	c 36	N78-18410* #	US-PATENT-4,089,705	c 44	N78-27515* #
US-PATENT-4,027,212	c 33	N77-26386* #	US-PATENT-4,055,847	c 33	N78-13320* #	US-PATENT-4,090,213	c 44	N80-29835* #
US-PATENT-4,027,265	c 32	N77-24331* #	US-PATENT-4,056,029	c 35	N78-14364* #	US-PATENT-4,091,166	c 27	N78-31233* #
US-PATENT-4,027,273	c 36	N77-25502* #	US-PATENT-4,061,041	c 71	N78-14867* #	US-PATENT-4,091,329	c 33	N78-32339* #
US-PATENT-4,027,494	c 35	N78-12390* #	US-PATENT-4,061,146	c 52	N78-14773* #	US-PATENT-4,091,464	c 54	N78-31735* #
US-PATENT-4,027,524	c 09	N77-27131* #	US-PATENT-4,061,190	c 43	N78-14452* #	US-PATENT-4,091,464	c 54	N79-24651* #
US-PATENT-4,028,939	c 34	N77-27345* #	US-PATENT-4,061,427	c 36	N78-14380* #	US-PATENT-4,091,465	c 54	N78-31736* #
US-PATENT-4,029,470	c 51	N77-27677* #	US-PATENT-4,061,561	c 25	N78-14104* #	US-PATENT-4,091,613	c 44	N78-32539* #
US-PATENT-4,029,500	c 24	N77-27187* #	US-PATENT-4,061,570	c 54	N78-14784* #	US-PATENT-4,091,665	c 09	N78-31129* #
US-PATENT-4,029,838	c 24	N77-27188* #	US-PATENT-4,061,577	c 74	N78-14889* #	US-PATENT-4,091,798	c 44	N78-31526* #
US-PATENT-4,030,047	c 35	N77-27366* #	US-PATENT-4,061,579	c 24	N78-14096* #	US-PATENT-4,091,800	c 44	N78-31525* #
US-PATENT-4,030,348	c 39	N78-10493* #	US-PATENT-4,061,812	c 24	N78-15180* #	US-PATENT-4,092,188	c 28	N78-31255* #
US-PATENT-4,031,389	c 36	N77-26477* #	US-PATENT-4,061,834	c 27	N78-14164* #	US-PATENT-4,092,274	c 27	N78-31232* #
US-PATENT-4,032,089	c 24	N77-28225* #	US-PATENT-4,061,856	c 27	N78-15276* #	US-PATENT-4,092,466	c 27	N78-32256* #
US-PATENT-4,032,089	c 07	N81-14077* #	US-PATENT-4,061,955	c 44	N78-14625* #	US-PATENT-4,092,606	c 27	N80-10358* #
US-PATENT-4,033,119	c 27	N77-28118* #	US-PATENT-4,061,974	c 32	N78-15323* #	US-PATENT-4,092,666	c 33	N78-32338* #
US-PATENT-4,033,133	c 28	N80-10374* #	US-PATENT-4,062,227	c 39	N78-15512* #	US-PATENT-4,092,617	c 33	N78-32340* #
US-PATENT-4,033,182	c 39	N77-28511* #	US-PATENT-4,062,245	c 37	N78-16369* #	US-PATENT-4,092,633	c 54	N78-32720* #
US-PATENT-4,033,286	c 25	N79-28253* #	US-PATENT-4,062,347	c 44	N78-15560* #	US-PATENT-4,092,648	c 32	N78-31321* #
US-PATENT-4,033,316	c 33	N77-28385* #	US-PATENT-4,062,650	c 25	N78-15210* #	US-PATENT-4,092,712	c 33	N78-32341* #
US-PATENT-4,033,334	c 52	N77-28717* #	US-PATENT-4,062,996	c 74	N78-15878* #	US-PATENT-4,092,874	c 37	N78-31426* #
US-PATENT-4,033,349	c 52	N77-28716* #	US-PATENT-4,063,088	c 74	N78-15880* #	US-PATENT-4,093,156	c 05	N78-32086* #
US-PATENT-4,033,479	c 37	N77-28487* #	US-PATENT-4,063,092	c 35	N78-15461* #	US-PATENT-4,093,354	c 73	N78-32848* #
US-PATENT-4,033,503	c 26	N77-29260* #	US-PATENT-4,063,282	c 39	N78-16387* #	US-PATENT-4,093,382	c 38	N78-32447* #
US-PATENT-4,033,504	c 26	N77-28265* #	US-PATENT-4,063,814	c 74	N78-17866* #	US-PATENT-4,093,771	c 27	N78-32260* #
US-PATENT-4,033,705	c 07	N77-27116* #	US-PATENT-4,063,981	c 24	N78-17149* #	US-PATENT-4,093,917	c 35	N78-32396* #
US-PATENT-4,033,882	c 32	N77-28346* #	US-PATENT-4,064,566	c 27	N78-17215* #	US-PATENT-4,094,073	c 35	N78-32395* #
US-PATENT-4,033,937	c 37	N77-28486* #	US-PATENT-4,064,642	c 54	N78-17675* #	US-PATENT-4,094,758	c 26	N78-32229* #
US-PATENT-4,035,062	c 74	N77-28932* #	US-PATENT-4,064,692	c 37	N78-17384* #	US-PATENT-4,094,775	c 52	N80-14687* #
US-PATENT-4,035,065	c 74	N77-28933* #	US-PATENT-4,065,053	c 44	N78-17460* #	US-PATENT-4,094,862	c 27	N78-32261* #
US-PATENT-4,038,705	c 54	N77-30749* #	US-PATENT-4,065,202	c 35	N78-17357* #	US-PATENT-4,094,943	c 27	N78-32262* #
US-PATENT-4,039-489	c 27	N77-31308* #	US-PATENT-4,065,340	c 24	N78-17150* #	US-PATENT-4,095,593	c 54	N78-32721* #
US-PATENT-4,039-946	c 35	N77-30436* #	US-PATENT-4,065,345	c 27	N78-17205* #	US-PATENT-4,096,315	c 74	N78-32854* #
US-PATENT-4,039,000	c 34	N77-30399* #	US-PATENT-4,066,039	c 37	N78-17383* #	US-PATENT-4,097,194	c 07	N78-33101* #
US-PATENT-4,039,347	c 27	N77-30237* #	US-PATENT-4,067,015	c 17	N78-17140* #	US-PATENT-4,098,142	c 37	N79-10422* #
US-PATENT-4,039,754	c 32	N77-30309* #	US-PATENT-4,067,043	c 74	N78-17865* #	US-PATENT-4,100,339	c 37	N79-10418* #
US-PATENT-4,039,925	c 33	N77-30365* #	US-PATENT-4,067,653	c 74	N78-17867* #	US-PATENT-4,109,791	c 44	N79-10513* #
US-PATENT-4,040,041	c 33	N77-31404* #	US-PATENT-4,067,742	c 27	N78-17206* #	US-PATENT-4,100,487	c 33	N79-10337* #
US-PATENT-4,040,750	c 35	N77-31465* #	US-PATENT-4,068,469	c 07	N78-17056* #	US-PATENT-4,101,195	c 32	N79-10263* #
US-PATENT-4,040,867	c 44	N77-31601* #	US-PATENT-4,068,470	c 07	N78-17056* #	US-PATENT-4,101,640	c 89	N79-10969* #
US-PATENT-4,040,940	c 37	N80-14397* #	US-PATENT-4,068,495	c 31	N78-17237* #	US-PATENT-4,101,644	c 35	N79-10162* #
US-PATENT-4,041,233	c 27	N77-30236* #	US-PATENT-4,068,695	c 54	N78-17676* #	US-PATENT-4,101,780	c 25	N79-10389* #
US-PATENT-4,041,391	c 32	N77-30308* #	US-PATENT-4,069,028	c 34	N78-17335* #	US-PATENT-4,101,891	c 35	N79-10391* #
US-PATENT-4,041,697	c 37	N78-10467* #	US-PATENT-4,069,212	c 27	N78-17213* #	US-PATENT-4,10		

REPORT NUMBER INDEX

US-PATENT-4,210,622

US-PATENT-4,103,619	c 28	N79-11231* #	US-PATENT-4,135,290	c 44	N79-18444* #	US-PATENT-4,172,228	c 33	N80-14332* #
US-PATENT-4,103,712	c 37	N79-11402* #	US-PATENT-4,135,367	c 44	N79-18443* #	US-PATENT-4,172,766	c 45	N80-14579* #
US-PATENT-4,104,018	c 25	N79-11151* #	US-PATENT-4,135,817	c 35	N79-18296* #	US-PATENT-4,172,883	c 26	N80-14229* #
US-PATENT-4,104,084	c 44	N79-11467* #	US-PATENT-4,135,851	c 37	N79-18318* #	US-PATENT-4,173,001	c 36	N80-14384* #
US-PATENT-4,104,091	c 44	N79-11468* #	US-PATENT-4,135,851	c 37	N80-26658* #	US-PATENT-4,173,324	c 37	N80-14398* #
US-PATENT-4,104,134	c 44	N79-11469* #	US-PATENT-4,135,851	c 37	N82-19540* #	US-PATENT-4,173,397	c 44	N80-14473* #
US-PATENT-4,104,134	c 44	N80-16452* #	US-PATENT-4,136,211	c 24	N79-17916* #	US-PATENT-4,173,820	c 44	N80-14474* #
US-PATENT-4,104,873	c 37	N79-11403* #	US-PATENT-4,137,010	c 05	N79-17847* #	US-PATENT-4,175,249	c 44	N80-14472* #
US-PATENT-4,105,261	c 37	N79-11404* #	US-PATENT-4,137,365	c 27	N79-18052* #	US-PATENT-4,176,007	c 51	N80-16714* #
US-PATENT-4,105,517	c 44	N79-11470* #	US-PATENT-4,139,291	c 74	N79-20856* #	US-PATENT-4,176,360	c 18	N80-14183* #
US-PATENT-4,105,966	c 33	N79-11315* #	US-PATENT-4,139,806	c 71	N79-20827* #	US-PATENT-4,176,662	c 52	N80-16725* #
US-PATENT-4,106,218	c 74	N79-13855* #	US-PATENT-4,139,839	c 60	N79-20751* #	US-PATENT-4,176,950	c 36	N80-16321* #
US-PATENT-4,106,587	c 71	N79-14871* #	US-PATENT-4,139,862	c 32	N79-20297* #	US-PATENT-4,177,325	c 44	N80-16452* #
US-PATENT-4,106,687	c 37	N79-13364* #	US-PATENT-4,140,972	c 32	N79-20296* #	US-PATENT-4,177,333	c 25	N80-16116* #
US-PATENT-4,107,363	c 33	N79-12331* #	US-PATENT-4,141,219	c 34	N79-20335* #	US-PATENT-4,178,100	c 35	N80-18359* #
US-PATENT-4,107,627	c 72	N79-13826* #	US-PATENT-4,141,224	c 34	N79-20336* #	US-PATENT-4,180,648	c 27	N80-16158* #
US-PATENT-4,107,919	c 34	N79-13288* #	US-PATENT-4,141,259	c 37	N79-20377* #	US-PATENT-4,181,589	c 51	N80-16715* #
US-PATENT-4,108,241	c 34	N79-13289* #	US-PATENT-4,142,101	c 74	N79-20857* #	US-PATENT-4,182,158	c 35	N80-18358* #
US-PATENT-4,109,213	c 33	N79-22373* #	US-PATENT-4,142,119	c 33	N79-20314* #	US-PATENT-4,183,217	c 20	N80-18097* #
US-PATENT-4,109,644	c 52	N79-18580* #	US-PATENT-4,143,314	c 20	N79-20179* #	US-PATENT-4,184,072	c 44	N80-18552* #
US-PATENT-4,110,683	c 33	N79-18193* #	US-PATENT-4,145,058	c 37	N79-22475* #	US-PATENT-4,184,111	c 44	N80-18551* #
US-PATENT-4,110,703	c 36	N79-18307* #	US-PATENT-4,145,255	c 25	N79-22235* #	US-PATENT-4,184,149	c 06	N80-18036* #
US-PATENT-4,111,041	c 35	N79-14345* #	US-PATENT-4,145,524	c 27	N79-22300* #	US-PATENT-4,184,155	c 43	N80-18498* #
US-PATENT-4,111,058	c 35	N79-14347* #	US-PATENT-4,145,933	c 39	N79-22537* #	US-PATENT-4,184,327	c 07	N80-18039* #
US-PATENT-4,111,068	c 37	N79-14382* #	US-PATENT-4,146,180	c 37	N79-22474* #	US-PATENT-4,184,368	c 48	N80-18667* #
US-PATENT-4,111,184	c 44	N79-14526* #	US-PATENT-4,146,367	c 25	N81-33246* #	US-PATENT-4,184,472	c 76	N80-18951* #
US-PATENT-4,111,718	c 35	N79-14346* #	US-PATENT-4,146,409	c 26	N79-22271* #	US-PATENT-4,184,491	c 52	N80-18690* #
US-PATENT-4,111,729	c 28	N79-14228* #	US-PATENT-4,148,031	c 32	N79-24210* #	US-PATENT-4,184,609	c 37	N80-18393* #
US-PATENT-4,111,775	c 76	N79-14906* #	US-PATENT-4,148,295	c 44	N79-23481* #	US-PATENT-4,184,903	c 44	N80-18550* #
US-PATENT-4,111,851	c 24	N79-14156* #	US-PATENT-4,148,375	c 46	N79-22679* #	US-PATENT-4,185,164	c 33	N80-18286* #
US-PATENT-4,112,357	c 33	N79-14305* #	US-PATENT-4,148,452	c 08	N79-23097* #	US-PATENT-4,185,493	c 35	N80-18357* #
US-PATENT-4,112,497	c 32	N79-14267* #	US-PATENT-4,148,962	c 24	N79-24062* #	US-PATENT-4,186,347	c 32	N80-18253* #
US-PATENT-4,112,875	c 44	N78-33526* #	US-PATENT-4,149,034	c 71	N79-23753* #	US-PATENT-4,186,749	c 52	N80-18691* #
US-PATENT-4,116,131	c 20	N78-32179* #	US-PATENT-4,149,233	c 33	N79-24257* #	US-PATENT-4,187,394	c 32	N80-18252* #
US-PATENT-4,117,669	c 07	N79-10057* #	US-PATENT-4,149,278	c 54	N79-24652* #	US-PATENT-4,187,416	c 33	N80-18285* #
US-PATENT-4,117,731	c 35	N79-10390* #	US-PATENT-4,149,423	c 32	N79-24203* #	US-PATENT-4,187,470	c 36	N80-18372* #
US-PATENT-4,117,749	c 37	N79-10419* #	US-PATENT-4,149,521	c 44	N79-24433* #	US-PATENT-4,187,506	c 33	N80-18287* #
US-PATENT-4,117,881	c 51	N79-10694* #	US-PATENT-4,149,665	c 44	N79-24431* #	US-PATENT-4,188,368	c 31	N80-18231* #
US-PATENT-4,118,014	c 37	N79-10420* #	US-PATENT-4,149,817	c 44	N79-24432* #	US-PATENT-4,188,823	c 02	N80-20224* #
US-PATENT-4,118,315	c 51	N79-10693* #	US-PATENT-4,149,938	c 25	N79-24073* #	US-PATENT-4,189,234	c 74	N80-21138* #
US-PATENT-4,118,427	c 27	N80-32514* #	US-PATENT-4,150,425	c 33	N79-24254* #	US-PATENT-4,189,675	c 32	N80-20448* #
US-PATENT-4,118,620	c 37	N79-10421* #	US-PATENT-4,151,086	c 34	N79-24285* #	US-PATENT-4,189,914	c 07	N81-29129* #
US-PATENT-4,118,665	c 33	N79-10338* #	US-PATENT-4,151,456	c 33	N79-23345* #	US-PATENT-4,190,060	c 52	N81-29763* #
US-PATENT-4,118,666	c 32	N79-10262* #	US-PATENT-4,151,612	c 54	N79-24651* #	US-PATENT-4,190,626	c 24	N81-29163* #
US-PATENT-4,118,671	c 33	N79-10339* #	US-PATENT-4,151,800	c 24	N79-25142* #	US-PATENT-4,191,159	c 37	N80-29703* #
US-PATENT-4,118,701	c 32	N79-10264* #	US-PATENT-4,152,194	c 76	N79-23798* #	US-PATENT-4,191,505	c 44	N80-21828* #
US-PATENT-4,119,581	c 27	N81-14076* #	US-PATENT-4,153,134	c 46	N79-23555* #	US-PATENT-4,191,893	c 44	N80-29834* #
US-PATENT-4,119,926	c 33	N79-11313* #	US-PATENT-4,153,476	c 44	N79-25482* #	US-PATENT-4,192,290	c 44	N80-20810* #
US-PATENT-4,119,964	c 32	N79-11265* #	US-PATENT-4,153,818	c 32	N79-23310* #	US-PATENT-4,192,910	c 33	N80-20487* #
US-PATENT-4,119,972	c 32	N79-11264* #	US-PATENT-4,154,084	c 43	N79-25443* #	US-PATENT-4,192,910	c 44	N81-29524* #
US-PATENT-4,119,996	c 33	N79-12321* #	US-PATENT-4,154,228	c 52	N79-27836* #	US-PATENT-4,192,994	c 74	N80-21140* #
US-PATENT-4,121,965	c 76	N79-11920* #	US-PATENT-4,154,230	c 52	N79-26771* #	US-PATENT-4,193,388	c 44	N80-20808* #
US-PATENT-4,121,995	c 25	N79-11152* #	US-PATENT-4,154,256	c 05	N79-24976* #	US-PATENT-4,193,435	c 37	N80-28563* #
US-PATENT-4,122,214	c 44	N79-11472* #	US-PATENT-4,154,501	c 33	N81-29342* #	US-PATENT-4,193,570	c 35	N80-21719* #
US-PATENT-4,122,334	c 74	N79-12890* #	US-PATENT-4,154,912	c 44	N79-25481* #	US-PATENT-4,193,693	c 35	N80-20560* #
US-PATENT-4,122,383	c 44	N79-12541* #	US-PATENT-4,155,475	c 24	N79-25143* #	US-PATENT-4,193,827	c 28	N80-20402* #
US-PATENT-4,122,454	c 32	N79-13214* #	US-PATENT-4,156,309	c 44	N79-26475* #	US-PATENT-4,193,827	c 28	N81-14103* #
US-PATENT-4,122,518	c 52	N79-12694* #	US-PATENT-4,156,548	c 35	N79-26372* #	US-PATENT-4,194,115	c 25	N80-20334* #
US-PATENT-4,122,712	c 34	N79-12359* #	US-PATENT-4,156,752	c 15	N79-26100* #	US-PATENT-4,195,244	c 35	N80-20559* #
US-PATENT-4,122,725	c 38	N79-14398* #	US-PATENT-4,156,971	c 43	N79-26439* #	US-PATENT-4,195,279	c 35	N80-20560* #
US-PATENT-4,122,816	c 37	N79-11405* #	US-PATENT-4,157,655	c 43	N80-14423* #	US-PATENT-4,195,512	c 43	N80-23711* #
US-PATENT-4,122,833	c 44	N79-11471* #	US-PATENT-4,157,718	c 52	N80-14684* #	US-PATENT-4,195,666	c 37	N80-23654* #
US-PATENT-4,122,991	c 18	N79-11108* #	US-PATENT-4,158,583	c 28	N79-28342* #	US-PATENT-4,196,129	c 27	N80-32515* #
US-PATENT-4,123,355	c 45	N79-12584* #	US-PATENT-4,158,742	c 12	N79-26075* #	US-PATENT-4,196,619	c 46	N80-24906* #
US-PATENT-4,124,180	c 05	N79-12061* #	US-PATENT-4,158,775	c 72	N80-14877* #	US-PATENT-4,196,840	c 37	N80-23655* #
US-PATENT-4,124,330	c 07	N79-14095* #	US-PATENT-4,158,895	c 52	N79-26772* #	US-PATENT-4,197,530	c 33	N80-23559* #
US-PATENT-4,124,732	c 27	N79-12221* #	US-PATENT-4,159,262	c 27	N79-28307* #	US-PATENT-4,198,209	c 28	N80-23471* #
US-PATENT-4,128,814	c 36	N79-14362* #	US-PATENT-4,159,366	c 44	N79-26474* #	US-PATENT-4,198,232	c 26	N80-23419* #
US-PATENT-4,129,357	c 74	N79-14891* #	US-PATENT-4,159,634	c 37	N79-28550* #	US-PATENT-4,198,788	c 74	N80-24149* #
US-PATENT-4,130,032	c 37	N79-14383* #	US-PATENT-4,160,254	c 33	N79-28416* #	US-PATENT-4,198,792	c 25	N80-23383* #
US-PATENT-4,130,112	c 52	N79-14751* #	US-PATENT-4,160,508	c 37	N79-28551* #	US-PATENT-4,198,988	c 52	N80-23969* #
US-PATENT-4,130,471	c 25	N79-14169* #	US-PATENT-4,160,601	c 35	N79-28527* #	US-PATENT-4,199,448	c 27	N80-23452* #
US-PATENT-4,130,490	c 33	N79-15245* #	US-PATENT-4,161,661	c 33	N79-28415* #	US-PATENT-4,199,650	c 27	N80-24437* #
US-PATENT-4,130,795	c 35	N79-14349* #	US-PATENT-4,161,731	c 31	N79-28370* #	US-PATENT-4,199,764	c 32	N80-23524* #
US-PATENT-4,131,336	c 44	N79-14529* #	US-PATENT-4,161,747	c 37	N79-28549* #	US-PATENT-4,199,937	c 34	N80-24573* #
US-PATENT-4,131,459	c 27	N79-14213* #	US-PATENT-4,162,169	c 24	N79-31347* #	US-PATENT-4,199,937	c 44	N81-24519* #
US-PATENT-4,131,486	c 44	N79-14528* #	US-PATENT-4,162,701	c 34	N79-31523* #	US-PATENT-4,200,721	c 27	N80-24438* #
US-PATENT-4,132,068	c 07	N79-14097* #	US-PATENT-4,162,928	c 44	N79-31753* #	US-PATENT-4,201,468	c 32	N80-24510* #
US-PATENT-4,132,069	c 07	N79-14096* #	US-PATENT-4,163,678	c 44	N79-31752* #	US-PATENT-4,203,723	c 27	N80-26446* #
US-PATENT-4,132,130	c 44	N79-14527* #	US-PATENT-4,164,079	c 09	N79-31228* #	US-PATENT-4,204,037	c 51	N80-27067* #
US-PATENT-4,132,375	c 08	N79-14108* #	US-PATENT-4,164,718	c 32	N80-14281* #	US-PATENT-4,204,154	c 33	N80-26599* #
US-PATENT-4,132,594	c 52	N79-14749* #	US-PATENT-4,165,460	c 43	N79-31706* #	US-PATENT-4,204,402	c 07	N80-26298* #
US-PATENT-4,132,599	c 52	N79-14750* #	US-PATENT-4,166,170	c 27	N79-33316* #	US-PATENT-4,204,544	c 52	N80-27072* #
US-PATENT-4,132,829	c 27	N79-14214* #	US-PATENT-4,166,170	c 27	N81-14078* #	US-PATENT-4,204,899	c 24	N80-26388* #
US-PATENT-4,132,940	c 35	N79-14348* #	US-PATENT-4,166,959	c 74	N79-34011* #	US-PATENT-4,205,229	c 35	N80-26635* #
US-PATENT-4,132,989	c 32	N79-14268* #	US-PATENT-4,167,111	c 46	N80-10709* #	US-PATENT-4,206,383	c 72	N80-27163* #
US-PATENT-4,133,697	c 44	N79-17314* #	US-PATENT-4,168,287	c 27	N80-10358* #	US-PATENT-4,206,713	c 31	N81-15154* #
US-PATENT-4,133,697	c 44	N80-14474* #	US-PATENT-4,168,483	c 39	N80-10507* #	US-PATENT-4,206,970	c 74	N80-27185* #
US-PATENT-4,133,941	c 44	N79-17313* #	US-PATENT-4,168,706	c 54	N80-10799* #	US-PATENT-4,207,024	c 37	N80-26658* #
US-PATENT-4,133,941	c 25	N82-21268* #	US-PATENT-4,168,718	c 20	N80-10278* #	US-PATENT-4,207,024	c 37	N82-19540* #
US-PATENT-4,134,447	c 31	N79-17029* #	US-PATENT-4,168,939	c 05	N80-14107* #	US-PATENT-4,208,393	c 45	N82-11634* #
US-PATENT-4,134,683	c 43	N79-17288* #	US-PATENT-4,169,129	c 37	N80-10494* #	US-PATENT-4,208,561	c 24	N81-13999* #
US-PATENT-4,134,744	c 35	N79-17192* #	US-PATENT-4,170,776	c 46	N80-14603* #	US-PATENT-4,210,278	c 31	N80-32583* #

US-PATENT-4,211,354

REPORT NUMBER INDEX

US-PATENT-4,211,354	c 24	N81-17170* #	US-PATENT-4,252,768	c 37	N81-25371* #	US-PATENT-4,291,294	c 04	N82-16059* #
US-PATENT-4,211,354	c 24	N81-26179* #	US-PATENT-4,253,156	c 34	N81-26402* #	US-PATENT-4,291,887	c 37	N82-12442* #
US-PATENT-4,212,199	c 02	N80-28300* #	US-PATENT-4,253,769	c 25	N81-25159* #	US-PATENT-4,292,375	c 24	N82-24296* #
US-PATENT-4,212,297	c 51	N81-14605* #	US-PATENT-4,254,464	c 62	N81-24779* #	US-PATENT-4,292,634	c 32	N82-12297* #
US-PATENT-4,212,477	c 37	N80-28711* #	US-PATENT-4,254,566	c 31	N81-19343* #	US-PATENT-4,293,522	c 25	N82-12166* #
US-PATENT-4,212,477	c 37	N81-26447* #	US-PATENT-4,255,048	c 36	N81-24422* #	US-PATENT-4,294,261	c 52	N82-11770* #
US-PATENT-4,212,690	c 26	N80-28492* #	US-PATENT-4,255,495	c 26	N81-25188* #	US-PATENT-4,294,264	c 52	N82-12166* #
US-PATENT-4,213,051	c 35	N80-28686* #	US-PATENT-4,255,929	c 37	N81-25370* #	US-PATENT-4,295,111	c 33	N82-11357* #
US-PATENT-4,213,064	c 60	N81-15706* #	US-PATENT-4,256,093	c 52	N81-25660* #	US-PATENT-4,295,140	c 35	N82-15381* #
US-PATENT-4,213,131	c 32	N80-28578* #	US-PATENT-4,258,366	c 32	N81-25278* #	US-PATENT-4,295,786	c 37	N82-19540* #
US-PATENT-4,213,684	c 74	N81-17886* #	US-PATENT-4,259,821	c 31	N81-25258* #	US-PATENT-4,298,833	c 33	N82-18493* #
US-PATENT-4,214,226	c 31	N80-32584* #	US-PATENT-4,259,825	c 31	N81-25259* #	US-PATENT-4,298,926	c 33	N82-18494* #
US-PATENT-4,214,703	c 07	N80-32392* #	US-PATENT-4,260,166	c 37	N81-24442* #	US-PATENT-4,298,987	c 60	N82-16747* #
US-PATENT-4,214,902	c 26	N80-32484* #	US-PATENT-4,260,187	c 37	N81-27519* #	US-PATENT-4,299,492	c 36	N82-16396* #
US-PATENT-4,214,905	c 24	N80-33482* #	US-PATENT-4,261,349	c 52	N81-25662* #	US-PATENT-4,300,106	c 36	N82-13415* #
US-PATENT-4,215,273	c 74	N80-33210* #	US-PATENT-4,261,537	c 08	N81-24106* #	US-PATENT-4,300,159	c 43	N82-13465* #
US-PATENT-4,215,327	c 32	N80-32605* #	US-PATENT-4,262,064	c 44	N81-24521* #	US-PATENT-4,300,656	c 71	N82-16800* #
US-PATENT-4,215,345	c 04	N80-32359* #	US-PATENT-4,262,067	c 27	N81-24257* #	US-PATENT-4,300,723	c 34	N82-13376* #
US-PATENT-4,215,548	c 37	N80-31790* #	US-PATENT-4,262,080	c 27	N81-25209* #	US-PATENT-4,301,740	c 37	N82-21587* #
US-PATENT-4,215,590	c 37	N80-32717* #	US-PATENT-4,262,195	c 44	N81-24520* #	US-PATENT-4,302,223	c 25	N82-21269* #
US-PATENT-4,215,592	c 37	N80-32716* #	US-PATENT-4,262,198	c 74	N83-19597* #	US-PATENT-4,302,734	c 33	N82-16340* #
US-PATENT-4,216,186	c 76	N80-32244* #	US-PATENT-4,262,206	c 74	N81-24900* #	US-PATENT-4,303,961	c 28	N82-18401* #
US-PATENT-4,216,542	c 33	N81-15192* #	US-PATENT-4,262,258	c 33	N81-27396* #	US-PATENT-4,304,219	c 44	N82-18686* #
US-PATENT-4,217,165	c 76	N80-32245* #	US-PATENT-4,262,259	c 33	N81-24338* #	US-PATENT-4,304,320	c 37	N82-18601* #
US-PATENT-4,217,633	c 44	N81-12542* #	US-PATENT-4,263,112	c 28	N81-24280* #	US-PATENT-4,305,205	c 37	N82-26672* #
US-PATENT-4,218,280	c 27	N80-32516* #	US-PATENT-4,263,110	c 54	N81-27806* #	US-PATENT-4,307,024	c 25	N82-24312* #
US-PATENT-4,218,633	c 72	N80-33186* #	US-PATENT-4,264,728	c 51	N81-28698* #	US-PATENT-4,307,510	c 60	N82-24839* #
US-PATENT-4,218,650	c 33	N80-32650* #	US-PATENT-4,264,802	c 35	N81-26431* #	US-PATENT-4,307,575	c 44	N82-26776* #
US-PATENT-4,218,682	c 32	N80-32604* #	US-PATENT-4,264,908	c 33	N81-26358* #	US-PATENT-4,307,856	c 05	N82-26277* #
US-PATENT-4,218,685	c 32	N81-14187* #	US-PATENT-4,264,940	c 33	N81-27397* #	US-PATENT-4,308,309	c 27	N82-24339* #
US-PATENT-4,218,892	c 35	N81-14287* #	US-PATENT-4,264,984	c 60	N81-27814* #	US-PATENT-4,308,868	c 52	N82-29863* #
US-PATENT-4,218,921	c 71	N81-15767* #	US-PATENT-4,265,416	c 14	N81-26161* #	US-PATENT-4,309,039	c 37	N82-24490* #
US-PATENT-4,218,941	c 37	N81-14319* #	US-PATENT-4,266,177	c 33	N81-27395* #	US-PATENT-4,309,146	c 44	N82-24639* #
US-PATENT-4,219,027	c 52	N81-14612* #	US-PATENT-4,266,743	c 08	N81-26152* #	US-PATENT-4,309,372	c 25	N82-21268* #
US-PATENT-4,219,084	c 31	N81-14137* #	US-PATENT-4,266,788	c 37	N81-26447* #	US-PATENT-4,310,049	c 25	N82-23282* #
US-PATENT-4,219,107	c 37	N81-15364* #	US-PATENT-4,267,594	c 33	N81-26359* #	US-PATENT-4,310,132	c 24	N82-26384* #
US-PATENT-4,219,171	c 37	N81-14320* #	US-PATENT-4,267,953	c 24	N81-26179* #	US-PATENT-4,310,574	c 27	N82-28441* #
US-PATENT-4,219,203	c 37	N81-15363* #	US-PATENT-4,267,992	c 37	N81-24443* #	US-PATENT-4,310,906	c 33	N82-26572* #
US-PATENT-4,219,926	c 44	N81-14389* #	US-PATENT-4,269,640	c 37	N82-24491* #	US-PATENT-4,311,055	c 54	N82-26987* #
US-PATENT-4,220,171	c 07	N81-14999* #	US-PATENT-4,269,787	c 27	N81-24256* #	US-PATENT-4,311,057	c 37	N82-24493* #
US-PATENT-4,221,005	c 32	N81-15179* #	US-PATENT-4,270,539	c 52	N81-28740* #	US-PATENT-4,311,378	c 35	N82-26628* #
US-PATENT-4,222,098	c 33	N81-14220* #	US-PATENT-4,270,984	c 44	N81-29524* #	US-PATENT-4,311,615	c 25	N82-26396* #
US-PATENT-4,225,102	c 02	N81-14968* #	US-PATENT-4,271,761	c 15	N82-24272* #	US-PATENT-4,311,870	c 44	N82-26777* #
US-PATENT-4,225,372	c 27	N81-14077* #	US-PATENT-4,272,046	c 08	N82-24205* #	US-PATENT-4,312,292	c 37	N82-24492* #
US-PATENT-4,226,475	c 43	N81-26509* #	US-PATENT-4,272,302	c 33	N81-26360* #	US-PATENT-4,313,077	c 33	N82-26569* #
US-PATENT-4,227,096	c 33	N81-17348* #	US-PATENT-4,272,470	c 23	N81-29160* #	US-PATENT-4,313,103	c 33	N82-26570* #
US-PATENT-4,228,422	c 33	N81-14221* #	US-PATENT-4,272,720	c 47	N82-24779* #	US-PATENT-4,313,291	c 09	N82-29330* #
US-PATENT-4,228,656	c 37	N81-14318* #	US-PATENT-4,273,304	c 05	N81-26114* #	US-PATENT-4,313,726	c 09	N82-24212* #
US-PATENT-4,229,182	c 28	N81-15119* #	US-PATENT-4,273,505	c 54	N81-26718* #	US-PATENT-4,313,745	c 27	N82-28442* #
US-PATENT-4,229,196	c 28	N81-14103* #	US-PATENT-4,273,918	c 27	N82-24338* #	US-PATENT-4,313,777	c 33	N82-26571* #
US-PATENT-4,229,473	c 24	N81-14000* #	US-PATENT-4,274,038	c 37	N81-33483* #	US-PATENT-4,314,984	c 25	N82-28368* #
US-PATENT-4,229,473	c 24	N81-33235* #	US-PATENT-4,274,285	c 35	N81-29407* #	US-PATENT-4,315,194	c 33	N82-26568* #
US-PATENT-4,230,717	c 52	N81-14613* #	US-PATENT-4,274,901	c 24	N81-33235* #	US-PATENT-4,315,197	c 33	N82-24421* #
US-PATENT-4,233,258	c 27	N81-14078* #	US-PATENT-4,275,317	c 33	N82-24418* #	US-PATENT-4,315,266	c 32	N82-27558* #
US-PATENT-4,233,606	c 32	N81-14185* #	US-PATENT-4,275,453	c 33	N82-24417* #	US-PATENT-4,316,035	c 23	N82-28353* #
US-PATENT-4,234,258	c 25	N81-14015* #	US-PATENT-4,276,344	c 27	N81-27272* #	US-PATENT-4,317,102	c 35	N82-24470* #
US-PATENT-4,234,715	c 25	N81-14016* #	US-PATENT-4,276,403	c 27	N81-27271* #	US-PATENT-4,319,133	c 33	N82-28545* #
US-PATENT-4,234,971	c 32	N81-14186* #	US-PATENT-4,276,553	c 32	N81-27341* #	US-PATENT-4,320,290	c 74	N82-24072* #
US-PATENT-4,235,060	c 37	N81-14317* #	US-PATENT-4,276,588	c 33	N81-33404* #	US-PATENT-4,320,397	c 32	N82-23376* #
US-PATENT-4,236,383	c 44	N81-17518* #	US-PATENT-4,277,402	c 23	N82-16174* #	US-PATENT-4,320,911	c 37	N82-24494* #
US-PATENT-4,236,684	c 08	N81-19130* #	US-PATENT-4,277,721	c 33	N82-24415* #	US-PATENT-4,321,099	c 44	N82-28780* #
US-PATENT-4,237,662	c 31	N81-27323* #	US-PATENT-4,278,220	c 07	N82-26293* #	US-PATENT-4,321,572	c 33	N82-24422* #
US-PATENT-4,238,911	c 31	N81-27324* #	US-PATENT-4,278,351	c 74	N81-29963* #	US-PATENT-4,325,001	c 35	N82-24471* #
US-PATENT-4,239,057	c 37	N81-17433* #	US-PATENT-4,278,830	c 44	N81-29525* #	US-PATENT-4,325,707	c 25	N82-29371* #
US-PATENT-4,240,256	c 37	N81-17432* #	US-PATENT-4,278,830	c 44	N82-28780* #	US-PATENT-4,326,381	c 44	N82-26460* #
US-PATENT-4,240,690	c 06	N81-17057* #	US-PATENT-4,278,978	c 32	N81-29308* #	US-PATENT-4,326,685	c 04	N82-23231* #
US-PATENT-4,240,901	c 43	N81-17499* #	US-PATENT-4,279,018	c 33	N81-33405* #	US-PATENT-4,327,150	c 27	N82-24340* #
US-PATENT-4,241,308	c 33	N81-17349* #	US-PATENT-4,279,001	c 33	N82-24416* #	US-PATENT-4,327,437	c 60	N82-29013* #
US-PATENT-4,241,312	c 35	N81-19427* #	US-PATENT-4,279,632	c 31	N81-33319* #	US-PATENT-4,327,581	c 09	N82-23254* #
US-PATENT-4,242,498	c 27	N81-17259* #	US-PATENT-4,279,906	c 52	N81-29764* #	US-PATENT-4,328,464	c 36	N82-28616* #
US-PATENT-4,242,553	c 33	N81-19389* #	US-PATENT-4,280,141	c 33	N81-33403* #	US-PATENT-4,329,114	c 07	N82-32366* #
US-PATENT-4,242,864	c 07	N81-19116* #	US-PATENT-4,280,689	c 37	N81-33482* #	US-PATENT-4,329,385	c 27	N82-28440* #
US-PATENT-4,243,323	c 74	N81-17888* #	US-PATENT-4,280,766	c 35	N81-33448* #	US-PATENT-4,330,100	c 05	N82-28279* #
US-PATENT-4,243,327	c 74	N81-17887* #	US-PATENT-4,281,102	c 27	N81-29229* #	US-PATENT-4,330,359	c 76	N82-30105* #
US-PATENT-4,244,215	c 04	N81-21047* #	US-PATENT-4,281,384	c 18	N81-29152* #	US-PATENT-4,330,572	c 27	N82-33520* #
US-PATENT-4,244,810	c 09	N82-29330* #	US-PATENT-4,281,708	c 33	N82-24419* #	US-PATENT-4,331,422	c 52	N82-29862* #
US-PATENT-4,244,853	c 27	N81-19296* #	US-PATENT-4,282,479	c 33	N82-24420* #	US-PATENT-4,331,742	c 44	N82-29710* #
US-PATENT-4,244,857	c 27	N81-17260* #	US-PATENT-4,282,525	c 46	N82-12685* #	US-PATENT-4,331,746	c 44	N82-29708* #
US-PATENT-4,245,085	c 27	N81-17262* #	US-PATENT-4,282,752	c 44	N82-16474* #	US-PATENT-4,331,873	c 44	N82-32841* #
US-PATENT-4,245,286	c 33	N81-19392* #	US-PATENT-4,283,705	c 06	N82-16075* #	US-PATENT-4,331,956	c 33	N82-29538* #
US-PATENT-4,245,288	c 33	N81-19393* #	US-PATENT-4,283,995	c 37	N81-32510* #	US-PATENT-4,332,441	c 36	N82-29589* #
US-PATENT-4,245,469	c 44	N81-24519* #	US-PATENT-4,284,034	c 51	N81-32829* #	US-PATENT-4,335,190	c 27	N83-13855* #
US-PATENT-4,245,768	c 37	N81-19455* #	US-PATENT-4,284,461	c 27	N82-11206* #	US-PATENT-4,335,196	c 44	N83-13579* #
US-PATENT-4,245,956	c 05	N81-19087* #	US-PATENT-4,284,682	c 27	N82-16238* #	US-PATENT-4,335,206	c 35	N82-28604* #
US-PATENT-4,246,001	c 27	N81-17261* #	US-PATENT-4,286,209	c 35	N82-11431* #	US-PATENT-4,335,503	c 44	N82-29709* #
US-PATENT-4,246,901	c 52	N81-24711* #	US-PATENT-4,286,460	c 09	N82-11088* #	US-PATENT-4,336,117	c 26	N82-29415* #
US-PATENT-4,247,434	c 25	N81-19242* #	US-PATENT-4,286,542	c 37	N82-12441* #	US-PATENT-4,336,276	c 27	N82-29453* #
US-PATENT-4,248,083	c 35	N81-19426* #	US-PATENT-4,287,152	c 35	N82-11432* #	US-PATENT-4,336,616	c 33	N82-29539* #
US-PATENT-4,249,116	c 33	N81-20352* #	US-PATENT-4,287,518	c 32	N82-11336* #	US-PATENT-4,338,061	c 07	N83-31603* #
US-PATENT-4,249,238	c 07	N81-19115* #	US-PATENT-4,287,578	c 32	N82-18443* #	US-PATENT-4,338,368	c 27	N82-29456* #
US-PATENT-4,249,417	c 52	N81-20703* #	US-PATENT-4,287,606	c 74	N82-19029* #	US-PATENT-4,338,371	c 24	N82-29362* #
US-PATENT-4,249,957	c 44	N81-19558* #	US-PATENT-4,287,838	c 25	N82-11144* #	US-PATENT-4,338,516	c 74	N82-30071* #
US-PATENT-4,250,143	c 54	N81-24724* #	US-PATENT-4,288,585	c 27	N82-18389* #	US-PATENT-4,338,568	c 33	N82-31954* #

REPORT NUMBER INDEX

US-PATENT-4,408,658

US-PATENT-4,341,843
 US-PATENT-4,341,918
 US-PATENT-4,341,925
 US-PATENT-4,343,287
 US-PATENT-4,343,447
 US-PATENT-4,343,506
 US-PATENT-4,343,584
 US-PATENT-4,343,772
 US-PATENT-4,344,591
 US-PATENT-4,344,787
 US-PATENT-4,344,996
 US-PATENT-4,345,153
 US-PATENT-4,346,595
 US-PATENT-4,346,715
 US-PATENT-4,346,754
 US-PATENT-4,346,990
 US-PATENT-4,347,613
 US-PATENT-4,349,424
 US-PATENT-4,349,429
 US-PATENT-4,349,954
 US-PATENT-4,350,410
 US-PATENT-4,350,574
 US-PATENT-4,351,022
 US-PATENT-4,355,311
 US-PATENT-4,355,870
 US-PATENT-4,355,896
 US-PATENT-4,357,402
 US-PATENT-4,358,358
 US-PATENT-4,358,480
 US-PATENT-4,358,486
 US-PATENT-4,358,732
 US-PATENT-4,358,846
 US-PATENT-4,360,325
 US-PATENT-4,360,701
 US-PATENT-4,362,361
 US-PATENT-4,362,769
 US-PATENT-4,363,188
 US-PATENT-4,363,237
 US-PATENT-4,363,242
 US-PATENT-4,366,680
 US-PATENT-4,370,750
 US-PATENT-4,371,301
 US-PATENT-4,371,596
 US-PATENT-4,371,873
 US-PATENT-4,371,946
 US-PATENT-4,372,110
 US-PATENT-4,372,158
 US-PATENT-4,372,159
 US-PATENT-4,372,377
 US-PATENT-4,372,680
 US-PATENT-4,373,003
 US-PATENT-4,373,039
 US-PATENT-4,373,142
 US-PATENT-4,373,989
 US-PATENT-4,374,183
 US-PATENT-4,374,378
 US-PATENT-4,375,281
 US-PATENT-4,375,396
 US-PATENT-4,375,536
 US-PATENT-4,375,674
 US-PATENT-4,376,872
 US-PATENT-4,377,089
 US-PATENT-4,377,169
 US-PATENT-4,377,266
 US-PATENT-4,377,343
 US-PATENT-4,377,371
 US-PATENT-4,377,949
 US-PATENT-4,378,209
 US-PATENT-4,378,813
 US-PATENT-4,379,970
 US-PATENT-4,380,046
 US-PATENT-4,381,174
 US-PATENT-4,381,333
 US-PATENT-4,381,375
 US-PATENT-4,381,583
 US-PATENT-4,381,881
 US-PATENT-4,382,116
 US-PATENT-4,382,224
 US-PATENT-4,382,239
 US-PATENT-4,383,171
 US-PATENT-4,383,533
 US-PATENT-4,383,785
 US-PATENT-4,384,578
 US-PATENT-4,384,823
 US-PATENT-4,385,043
 US-PATENT-4,385,113
 US-PATENT-4,385,949
 US-PATENT-4,386,157
 US-PATENT-4,386,750
 US-PATENT-4,387,513
 US-PATENT-4,387,935
 US-PATENT-4,388,502
 US-PATENT-4,388,542
 US-PATENT-4,388,585
 US-PATENT-4,388,965
 US-PATENT-4,389,504

c 26 N82-30371* #
 c 44 N82-31764* #
 c 32 N82-31583* #
 c 37 N82-32730* #
 c 08 N82-32373* #
 c 85 N82-33288* #
 c 37 N82-32731* #
 c 44 N83-10501* #
 c 24 N82-32417* #
 c 31 N83-31896* #
 c 27 N82-33521* #
 c 35 N82-32659* #
 c 06 N83-10040* #
 c 52 N82-33996* #
 c 34 N83-34221* #
 c 36 N82-32712* #
 c 36 N83-10417* #
 c 24 N83-10117* #
 c 25 N83-10126* #
 c 26 N83-10170* #
 c 74 N83-10900* #
 c 44 N83-10494* #
 c 33 N83-10345* #
 c 32 N83-31918* #
 c 74 N83-13978* #
 c 47 N83-32232* #
 c 25 N83-13188* #
 c 25 N83-13187* #
 c 24 N83-13172* #
 c 24 N83-13171* #
 c 33 N83-18996* #
 c 32 N83-13323* #
 c 44 N83-14693* #
 c 44 N83-14692* #
 c 74 N83-17305* #
 c 27 N83-34039* #
 c 51 N83-17045* #
 c 71 N83-17235* #
 c 33 N83-16626* #
 c 31 N83-31897* #
 c 34 N83-19015* #
 c 37 N83-19091* #
 c 44 N83-32176* #
 c 32 N83-19968* #
 c 32 N83-18975* #
 c 07 N83-33884* #
 c 44 N83-21503* #
 c 44 N83-21504* #
 c 74 N83-19596* #
 c 35 N83-21311* #
 c 27 N83-18908* #
 c 27 N83-19900* #
 c 44 N83-32175* #
 c 76 N83-20789* #
 c 26 N83-31795* #
 c 35 N83-34272* #
 c 05 N83-19737* #
 c 31 N83-19947* #
 c 27 N83-34040* #
 c 39 N83-20280* #
 c 44 N83-32177* #
 c 35 N83-21312* #
 c 52 N83-21785* #
 c 07 N83-20944* #
 c 74 N83-21949* #
 c 18 N83-20996* #
 c 45 N83-25217* #
 c 35 N83-24828* #
 c 52 N83-25346* #
 c 33 N83-24763* #
 c 60 N83-25378* #
 c 37 N83-26078* #
 c 44 N83-34448* #
 c 37 N83-34323* #
 c 31 N83-31895* #
 c 74 N83-29032* #
 c 44 N83-27344* #
 c 33 N83-27126* #
 c 32 N83-27085* #
 c 35 N83-27184* #
 c 52 N83-27578* #
 c 31 N83-27058* #
 c 52 N83-27577* #
 c 34 N83-27144* #
 c 24 N83-25789* #
 c 51 N83-27569* #
 c 31 N83-34073* #
 c 51 N83-28849* #
 c 18 N83-28064* #
 c 06 N83-33882* #
 c 37 N83-32067* #
 c 05 N83-27975* #
 c 44 N83-28573* #
 c 33 N83-28319* #
 c 34 N83-28356* #
 c 27 N83-28240* #

US-PATENT-4,389,849
 US-PATENT-4,389,904
 US-PATENT-4,391,129
 US-PATENT-4,391,423
 US-PATENT-4,391,514
 US-PATENT-4,391,518
 US-PATENT-4,391,609
 US-PATENT-4,392,356
 US-PATENT-4,392,749
 US-PATENT-4,392,874
 US-PATENT-4,392,920
 US-PATENT-4,393,039
 US-PATENT-4,393,706
 US-PATENT-4,393,708
 US-PATENT-4,393,716
 US-PATENT-4,394,610
 US-PATENT-4,394,726
 US-PATENT-4,394,819
 US-PATENT-4,395,123
 US-PATENT-4,395,503
 US-PATENT-4,395,557
 US-PATENT-4,395,656
 US-PATENT-4,397,716
 US-PATENT-4,398,021
 US-PATENT-4,398,129
 US-PATENT-4,398,925
 US-PATENT-4,399,415
 US-PATENT-4,400,191
 US-PATENT-4,400,642
 US-PATENT-4,400,657
 US-PATENT-4,401,505
 US-PATENT-4,401,934
 US-PATENT-4,401,953
 US-PATENT-4,402,221
 US-PATENT-4,402,358
 US-PATENT-4,402,447
 US-PATENT-4,402,992
 US-PATENT-4,404,793
 US-PATENT-4,406,256
 US-PATENT-4,406,797
 US-PATENT-4,406,989
 US-PATENT-4,407,001
 US-PATENT-4,407,165
 US-PATENT-4,407,468
 US-PATENT-4,407,563
 US-PATENT-4,407,589
 US-PATENT-4,408,658

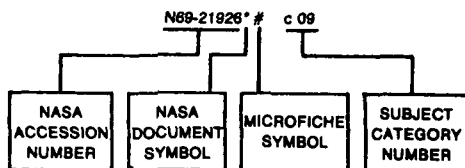
c 44 N83-28574* #
 c 35 N83-29650* #
 c 34 N83-31993* #
 c 18 N83-29303* #
 c 36 N83-34304* #
 c 36 N83-29680* #
 c 25 N83-31743* #
 c 34 N83-29625* #
 c 35 N83-29651* #
 c 35 N83-29652* #
 c 27 N83-29388* #
 c 25 N83-29324* #
 c 71 N83-32516* #
 c 71 N83-32515* #
 c 39 N83-32081* #
 c 33 N83-31953* #
 c 60 N83-32342* #
 c 35 N83-32026* #
 c 74 N83-32577* #
 c 27 N83-34043* #
 c 27 N83-31854* #
 c 33 N83-31952* #
 c 44 N83-34449* #
 c 27 N83-34041* #
 c 33 N83-34189* #
 c 71 N83-35781* #
 c 36 N83-35350* #
 c 31 N83-35176* #
 c 76 N83-34796* #
 c 33 N83-34190* #
 c 76 N83-35888* #
 c 33 N83-35227* #
 c 33 N83-34191* #
 c 71 N83-36846* #
 c 34 N83-35307* #
 c 35 N83-35338* #
 c 31 N83-35177* #
 c 07 N83-36029* #
 c 37 N83-36483* #
 c 25 N83-36118* #
 c 33 N83-36356* #
 c 33 N83-36355* #
 c 37 N83-36482* #
 c 01 N83-35992* #
 c 74 N83-36898* #
 c 33 N83-36357* #
 c 27 N83-36220* #

ACCESSION NUMBER INDEX

NASA PATENT ABSTRACTS BIBLIOGRAPHY Section 2

JANUARY 1984

Typical Accession Number Index Listing



Listings in the index are arranged numerically by NASA accession number. The category number indicates the category in Section 1 (Abstracts) in which the citation is located. The NASA accession number denotes the number by which the citation is identified within the subject category. An asterisk (*) indicates that the item is a NASA report. A pound sign (#) indicates that the item is available on microfiche.

N69-21313* #	c 09	N69-27432* #	c 14
N69-21330* #	c 03	N69-27459* #	c 14
N69-21337* #	c 03	N69-27460* #	c 07
N69-21362* #	c 15	N69-27481* #	c 14
N69-21363* #	c 14	N69-27482* #	c 07
N69-21380* #	c 05	N69-27483* #	c 09
N69-21460* #	c 15	N69-27466* #	c 11
N69-21465* #	c 15	N69-27483* #	c 15
N69-21466* #	c 12	N69-27484* #	c 14
N69-21467* #	c 09	N69-27485* #	c 14
N69-21468* #	c 09	N69-27486* #	c 14
N69-21469* #	c 03	N69-27487* #	c 04
N69-21470* #	c 09	N69-27490* #	c 15
N69-21471* #	c 15	N69-27491* #	c 16
N69-21472* #	c 15	N69-27499* #	c 31
N69-21473* #	c 05	N69-27500* #	c 09
N69-21539* #	c 03	N69-27502* #	c 15
N69-21540* #	c 11	N69-27503* #	c 14
N69-21541* #	c 14	N69-27504* #	c 15
N69-21542* #	c 09	N69-27505* #	c 15
N69-21543* #	c 09	N69-27871* #	c 15
N69-21922* #	c 15	N69-31244* #	c 06
N69-21923* #	c 14	N69-31343* #	c 16
N69-21924* #	c 15	N69-33482* #	c 26
N69-21925* #	c 05	N69-39733* #	c 06
N69-21926* #	c 09	N69-39734* #	c 09
N69-21927* #	c 09	N69-39735* #	c 15
N69-21928* #	c 08	N69-39736* #	c 07
N69-21929* #	c 25	N69-39785* #	c 14
N69-23185* #	c 15	N69-39786* #	c 15
N69-23190* #	c 15	N69-39884* #	c 25
N69-23191* #	c 14	N69-39885* #	c 09
N69-23192* #	c 05	N69-39888* #	c 10
N69-24257* #	c 14	N69-39889* #	c 06
N69-24266* #	c 15	N69-39890* #	c 03
N69-24267* #	c 03	N69-39895* #	c 18
N69-24317* #	c 09	N69-39896* #	c 14
N69-24318* #	c 09	N69-39897* #	c 09
N69-24319* #	c 15	N69-39898* #	c 03
N69-24320* #	c 15	N69-39929* #	c 09
N69-24321* #	c 11	N69-39935* #	c 15
N69-24322* #	c 15	N69-39936* #	c 06
N69-24323* #	c 07	N69-39937* #	c 14
N69-24324* #	c 09	N69-39974* #	c 07
N69-24329* #	c 09	N69-39975* #	c 14
N69-24330* #	c 09	N69-39978* #	c 07
N69-24331* #	c 14	N69-39979* #	c 18
N69-24332* #	c 23	N69-39980* #	c 07
N69-24333* #	c 09	N69-39981* #	c 01
N69-24334* #	c 07	N69-39982* #	c 14
N69-25146* #	c 03	N69-39983* #	c 03
N69-25147* #	c 17	N69-39984* #	c 09
N69-27422* #	c 09	N69-39986* #	c 09
N69-27423* #	c 14	N69-39987* #	c 09
N69-27431* #	c 14	N69-39988* #	c 12

N70-10867* #	c 15	N70-34786* #	c 11	N70-36947* #	c 15
N70-11148* #	c 09	N70-34787* #	c 08	N70-37245* #	c 28
N70-11251* #	c 06	N70-34788* #	c 28	N70-37924* #	c 31
N70-11252* #	c 06	N70-34794* #	c 14	N70-37925* #	c 15
N70-12616* #	c 07	N70-34799* #	c 14	N70-37938* #	c 31
N70-20737* #	c 09	N70-34812* #	c 33	N70-37939* #	c 02
N70-22192* #	c 15	N70-34813* #	c 14	N70-37979* #	c 33
N70-26819* #	c 15	N70-34814* #	c 15	N70-37980* #	c 28
N70-33179* #	c 14	N70-34815* #	c 11	N70-37981* #	c 31
N70-33180* #	c 15	N70-34816* #	c 14	N70-37988* #	c 31
N70-33181* #	c 21	N70-34817* #	c 15	N70-38009* #	c 02
N70-33182* #	c 09	N70-34818* #	c 14	N70-38010* #	c 31
N70-33226* #	c 15	N70-34819* #	c 09	N70-38011* #	c 02
N70-33241* #	c 28	N70-34820* #	c 14	N70-38020* #	c 15
N70-33242* #	c 31	N70-34844* #	c 11	N70-38161* #	c 28
N70-33254* #	c 14	N70-34850* #	c 15	N70-38182* #	c 11
N70-33255* #	c 02	N70-34856* #	c 02	N70-38196* #	c 11
N70-33264* #	c 15	N70-34857* #	c 05	N70-38197* #	c 28
N70-33265* #	c 29	N70-34858* #	c 02	N70-38198* #	c 17
N70-33266* #	c 02	N70-34859* #	c 15	N70-38199* #	c 28
N70-33267* #	c 25	N70-34860* #	c 28	N70-38200* #	c 07
N70-33276* #	c 11	N70-34861* #	c 15	N70-38201* #	c 09
N70-33279* #	c 21	N70-34866* #	c 31	N70-38202* #	c 11
N70-33283* #	c 17	N70-34867* #	c 15	N70-38225* #	c 15
N70-33284* #	c 28	N70-35087* #	c 15	N70-38249* #	c 28
N70-33285* #	c 05	N70-35089* #	c 21	N70-38490* #	c 17
N70-33286* #	c 02	N70-35152* #	c 05	N70-38504* #	c 28
N70-33287* #	c 11	N70-35219* #	c 09	N70-38505* #	c 28
N70-33288* #	c 17	N70-35220* #	c 14	N70-38601* #	c 15
N70-33305* #	c 12	N70-35368* #	c 14	N70-38602* #	c 14
N70-33311* #	c 31	N70-35381* #	c 28	N70-38603* #	c 15
N70-33312* #	c 09	N70-35382* #	c 09	N70-38604* #	c 09
N70-33322* #	c 14	N70-35394* #	c 14	N70-38620* #	c 15
N70-33323* #	c 15	N70-35395* #	c 21	N70-38645* #	c 28
N70-33329* #	c 11	N70-35407* #	c 15	N70-38675* #	c 11
N70-33330* #	c 15	N70-35408* #	c 03	N70-38676* #	c 31
N70-33331* #	c 28	N70-35409* #	c 15	N70-38710* #	c 28
N70-33332* #	c 02	N70-35422* #	c 28	N70-38711* #	c 28
N70-33343* #	c 03	N70-35423* #	c 08	N70-38712* #	c 09
N70-33344* #	c 33	N70-35425* #	c 09	N70-38713* #	c 03
N70-33356* #	c 28	N70-35427* #	c 21	N70-38995* #	c 09
N70-33372* #	c 28	N70-35440* #	c 09	N70-38996* #	c 15
N70-33374* #	c 28	N70-35534* #	c 27	N70-38997* #	c 12
N70-33375* #	c 28	N70-35587* #	c 14	N70-38998* #	c 09
N70-33376* #	c 15	N70-35686* #	c 14	N70-38999* #	c 28
N70-33382* #	c 15	N70-35679* #	c 15	N70-39896* #	c 15
N70-33386* #	c 14	N70-36400* #	c 18	N70-39897* #	c 18
N70-34134* #	c 03	N70-36409* #	c 15	N70-39898* #	c 14
N70-34135* #	c 31	N70-36410* #	c 31	N70-39899* #	c 28
N70-34156* #	c 14	N70-36411* #	c 15	N70-39915* #	c 09
N70-34157* #	c 03	N70-36412* #	c 15	N70-39922* #	c 05
N70-34158* #	c 14	N70-36492* #	c 15	N70-39924* #	c 15
N70-34159* #	c 31	N70-36493* #	c 05	N70-39925* #	c 28
N70-34160* #	c 02	N70-36494* #	c 09	N70-39930* #	c 03
N70-34161* #	c 14	N70-36535* #	c 15	N70-39931* #	c 28
N70-34162* #	c 28	N70-36536* #	c 32	N70-40003* #	c 14
N70-34175* #	c 28	N70-36616* #	c 17	N70-40015* #	c 26
N70-34176* #	c 31	N70-36617* #	c 33	N70-40016* #	c 30
N70-34178* #	c 02	N70-36618* #	c 14	N70-40062* #	c 15
N70-34247* #	c 15	N70-36654* #	c 31	N70-40063* #	c 07
N70-34249* #	c 15	N70-36778* #	c 03	N70-40123* #	c 09
N70-34294* #	c 28	N70-36802* #	c 28	N70-40124* #	c 12
N70-34295* #	c 21	N70-36803* #	c 03	N70-40125* #	c 08
N70-34296* #	c 31	N70-36804* #	c 02	N70-40156* #	c 15
N70-34297* #	c 21	N70-36805* #	c 26	N70-40157* #	c 14
N70-34298* #	c 14	N70-36806* #	c 28	N70-40180* #	c 15
N70-34502* #	c 09	N70-36807* #	c 14	N70-40201* #	c 14
N70-34539* #	c 21	N70-36824* #	c 14	N70-40202* #	c 07
N70-34540* #	c 33	N70-36825* #	c 02	N70-40203* #	c 14
N70-34545* #	c 33	N70-36845* #	c 31	N70-40204* #	c 15
N70-34559* #	c 09	N70-36846* #	c 33	N70-40233* #	c 14
N70-34596* #	c 09	N70-36847* #	c 33	N70-40234* #	c 09
N70-34646* #	c 03	N70-36901* #	c 15	N70-40238* #	c 14
N70-34661* #	c 25	N70-36907* #	c 14	N70-40239* #	c 14
N70-34664* #	c 15	N70-36908* #	c 15	N70-40240* #	c 14
N70-34667* #	c 03	N70-36910* #	c 28	N70-40272* #	c 09
N70-34675* #	c 08	N70-36911* #	c 07	N70-40273* #	c 14
N70-34697* #	c 14	N70-36913* #	c 11	N70-40309* #	c 30
N70-34699* #	c 15	N70-36943* #	c 21	N70-40353* #	c 30
N70-34705* #	c 14	N70-36946* #	c 25	N70-40354* #	c 15
N70-34743* #	c 08			N70-40357* #	c 28
N70-34778* #	c 08			N70-40400* #	c 14
N70-34783* #	c 27			N70-41275* #	c 28

N70-41297

N70-41297* # c 05
N70-41310* # c 15
N70-41311* # c 28
N70-41329* # c 05
N70-41330* # c 14
N70-41331* # c 07
N70-41332* # c 14
N70-41366* # c 14
N70-41367* # c 32
N70-41370* # c 32
N70-41371* # c 15
N70-41372* # c 07
N70-41373* # c 31
N70-41447* # c 28
N70-41576* # c 28
N70-41578* # c 16
N70-41579* # c 32
N70-41580* # c 03
N70-41581* # c 05
N70-41582* # c 28
N70-41583* # c 18
N70-41588* # c 31
N70-41589* # c 02
N70-41628* # c 25
N70-41629* # c 15
N70-41630* # c 02
N70-41631* # c 31
N70-41646* # c 15
N70-41647* # c 14
N70-41655* # c 09
N70-41675* # c 09
N70-41676* # c 14
N70-41677* # c 11
N70-41678* # c 07
N70-41679* # c 15
N70-41680* # c 07
N70-41681* # c 14
N70-41682* # c 14
N70-41717* # c 09
N70-41807* # c 14
N70-41808* # c 15
N70-41811* # c 15
N70-41812* # c 14
N70-41818* # c 28
N70-41819* # c 05
N70-41829* # c 15
N70-41855* # c 31
N70-41856* # c 21
N70-41863* # c 02
N70-41864* # c 03
N70-41871* # c 31
N70-41897* # c 27
N70-41922* # c 28
N70-41929* # c 09
N70-41930* # c 21
N70-41946* # c 14
N70-41948* # c 31
N70-41954* # c 03
N70-41955* # c 14
N70-41957* # c 14
N70-41960* # c 15
N70-41961* # c 08
N70-41964* # c 10
N70-41967* # c 28
N70-41991* # c 10
N70-41992* # c 28
N70-41993* # c 15
N70-41994* # c 14
N70-42000* # c 05
N70-42003* # c 32
N70-42015* # c 31
N70-42016* # c 02
N70-42017* # c 15
N70-42032* # c 10
N70-42033* # c 15
N70-42034* # c 15
N70-42073* # c 03
N70-42074* # c 14
N70-42075* # c 31
N71-10500* # c 14
N71-10560* # c 24
N71-10574* # c 28
N71-10577* # c 15
N71-10578* # c 10
N71-10582* # c 31
N71-10604* # c 11
N71-10607* # c 26
N71-10608* # c 03
N71-10609* # c 07
N71-10616* # c 14
N71-10617* # c 15
N71-10618* # c 09
N71-10658* # c 15
N71-10659* # c 09
N71-10672* # c 15
N71-10673* # c 09

N71-10676* # c 07
N71-10677* # c 09
N71-10678* # c 21
N71-10728* # c 03
N71-10746* # c 11
N71-10747* # c 31
N71-10748* # c 11
N71-10771* # c 21
N71-10772* # c 18
N71-10773* # c 14
N71-10774* # c 14
N71-10775* # c 07
N71-10776* # c 11
N71-10777* # c 11
N71-10778* # c 15
N71-10779* # c 14
N71-10780* # c 28
N71-10781* # c 14
N71-10782* # c 15
N71-10797* # c 14
N71-10798* # c 09
N71-10799* # c 15
N71-10809* # c 15
N71-11037* # c 02
N71-11038* # c 02
N71-11039* # c 02
N71-11041* # c 02
N71-11043* # c 02
N71-11049* # c 03
N71-11050* # c 03
N71-11051* # c 03
N71-11052* # c 03
N71-11053* # c 03
N71-11055* # c 03
N71-11056* # c 03
N71-11057* # c 03
N71-11058* # c 03
N71-11189* # c 05
N71-11190* # c 05
N71-11193* # c 05
N71-11194* # c 05
N71-11195* # c 05
N71-11199* # c 05
N71-11202* # c 05
N71-11203* # c 05
N71-11207* # c 05
N71-11235* # c 06
N71-11236* # c 06
N71-11237* # c 06
N71-11238* # c 06
N71-11239* # c 06
N71-11240* # c 06
N71-11242* # c 06
N71-11243* # c 06
N71-11266* # c 07
N71-11267* # c 07
N71-11281* # c 07
N71-11282* # c 07
N71-11284* # c 07
N71-11285* # c 07
N71-11298* # c 07
N71-11300* # c 07
N71-11766* # c 21
N71-12217* # c 01
N71-12243* # c 02
N71-12255* # c 03
N71-12258* # c 03
N71-12259* # c 03
N71-12260* # c 03
N71-12335* # c 05
N71-12336* # c 05
N71-12341* # c 05
N71-12342* # c 05
N71-12343* # c 05
N71-12344* # c 05
N71-12345* # c 05
N71-12346* # c 05
N71-12351* # c 05
N71-12389* # c 07
N71-12390* # c 07
N71-12391* # c 07
N71-12392* # c 07
N71-12396* # c 07
N71-12494* # c 08
N71-12500* # c 08
N71-12501* # c 08
N71-12502* # c 08
N71-12503* # c 08
N71-12504* # c 08
N71-12505* # c 08
N71-12506* # c 08
N71-12507* # c 08
N71-12513* # c 09
N71-12514* # c 09
N71-12515* # c 09
N71-12516* # c 09

N71-12517* # c 09
N71-12518* # c 09
N71-12519* # c 09
N71-12520* # c 09
N71-12521* # c 09
N71-12526* # c 09
N71-12539* # c 09
N71-12540* # c 09
N71-12554* # c 10
N71-13410* # c 01
N71-13411* # c 01
N71-13421* # c 02
N71-13422* # c 02
N71-13461* # c 06
N71-13486* # c 09
N71-13518* # c 09
N71-13521* # c 09
N71-13522* # c 09
N71-13530* # c 09
N71-13531* # c 09
N71-13537* # c 10
N71-13545* # c 10
N71-13789* # c 15
N71-13958* # c 21
N71-14014* # c 18
N71-14032* # c 33
N71-14035* # c 33
N71-14043* # c 28
N71-14044* # c 28
N71-14058* # c 28
N71-14090* # c 27
N71-14132* # c 21
N71-14159* # c 21
N71-14354* # c 26
N71-14932* # c 15
N71-14996* # c 14
N71-15467* # c 23
N71-15468* # c 17
N71-15469* # c 18
N71-15545* # c 18
N71-15550* # c 16
N71-15551* # c 16
N71-15562* # c 25
N71-15563* # c 28
N71-15565* # c 16
N71-15566* # c 31
N71-15567* # c 16
N71-15568* # c 33
N71-15571* # c 15
N71-15582* # c 21
N71-15583* # c 21
N71-15597* # c 15
N71-15598* # c 14
N71-15599* # c 14
N71-15600* # c 14
N71-15604* # c 14
N71-15605* # c 14
N71-15606* # c 15
N71-15607* # c 15
N71-15608* # c 15
N71-15609* # c 15
N71-15610* # c 15
N71-15620* # c 14
N71-15621* # c 14
N71-15622* # c 14
N71-15623* # c 33
N71-15625* # c 33
N71-15634* # c 27
N71-15635* # c 27
N71-15637* # c 31
N71-15641* # c 33
N71-15642* # c 21
N71-15643* # c 31
N71-15644* # c 17
N71-15647* # c 31
N71-15658* # c 28
N71-15659* # c 28
N71-15660* # c 28
N71-15661* # c 28
N71-15663* # c 31
N71-15664* # c 31
N71-15673* # c 23
N71-15674* # c 31
N71-15675* # c 31
N71-15676* # c 31
N71-15687* # c 31
N71-15688* # c 18
N71-15689* # c 31
N71-15692* # c 31
N71-15717* # c 15
N71-15906* # c 15
N71-15907* # c 07
N71-15908* # c 08
N71-15909* # c 10
N71-15910* # c 10
N71-15918* # c 15

N71-15922* # c 15
N71-15925* # c 11
N71-15926* # c 11
N71-15960* # c 11
N71-15962* # c 14
N71-15966* # c 15
N71-15967* # c 15
N71-15968* # c 15
N71-15969* # c 14
N71-15974* # c 32
N71-15978* # c 23
N71-15986* # c 15
N71-15990* # c 30
N71-15992* # c 14
N71-16014* # c 14
N71-16025* # c 17
N71-16026* # c 17
N71-16028* # c 11
N71-16030* # c 10
N71-16031* # c 12
N71-16037* # c 26
N71-16042* # c 10
N71-16044* # c 17
N71-16046* # c 18
N71-16052* # c 15
N71-16057* # c 10
N71-16058* # c 10
N71-16073* # c 25
N71-16075* # c 15
N71-16076* # c 15
N71-16077* # c 15
N71-16078* # c 15
N71-16079* # c 15
N71-16080* # c 31
N71-16081* # c 31
N71-16085* # c 31
N71-16086* # c 09
N71-16087* # c 02
N71-16088* # c 07
N71-16089* # c 09
N71-16090* # c 30
N71-16095* # c 24
N71-16098* # c 23
N71-16099* # c 23
N71-16100* # c 23
N71-16101* # c 23
N71-16102* # c 31
N71-16103* # c 32
N71-16104* # c 33
N71-16105* # c 18
N71-16106* # c 32
N71-16124* # c 18
N71-16210* # c 18
N71-16212* # c 23
N71-16213* # c 24
N71-16221* # c 31
N71-16222* # c 31
N71-16223* # c 27
N71-16224* # c 28
N71-16277* # c 33
N71-16278* # c 33
N71-16281* # c 20
N71-16340* # c 20
N71-16341* # c 23
N71-16345* # c 31
N71-16346* # c 31
N71-16348* # c 27
N71-16355* # c 23
N71-16356* # c 33
N71-16357* # c 33
N71-16365* # c 23
N71-16392* # c 27
N71-16393* # c 17
N71-16428* # c 32
N71-16894* # c 12
N71-17573* # c 12
N71-17574* # c 14
N71-17575* # c 14
N71-17578* # c 12
N71-17579* # c 12
N71-17584* # c 14
N71-17585* # c 14
N71-17586* # c 14
N71-17587* # c 14
N71-17588* # c 14
N71-17599* # c 05
N71-17600* # c 11
N71-17609* # c 32
N71-17610* # c 33
N71-17626* # c 14
N71-17627* # c 14
N71-17628* # c 15
N71-17629* # c 31
N71-17631* # c 12
N71-17645* # c 32

N71-17647* # c 15
N71-17648* # c 15
N71-17649* # c 15
N71-17650* # c 15
N71-17651* # c 15
N71-17652* # c 15
N71-17653* # c 15
N71-17654* # c 15
N71-17655* # c 14
N71-17656* # c 14
N71-17657* # c 14
N71-17658* # c 14
N71-17659* # c 14
N71-17661* # c 12
N71-17662* # c 14
N71-17679* # c 31
N71-17680* # c 31
N71-17685* # c 15
N71-17686* # c 15
N71-17687* # c 15
N71-17688* # c 15
N71-17691* # c 31
N71-17692* # c 15
N71-17693* # c 15
N71-17694* # c 15
N71-17696* # c 15
N71-17701* # c 14
N71-17705* # c 06
N71-17729* # c 31
N71-17730* # c 31
N71-17788* # c 30
N71-17802* # c 23
N71-17803* # c 15
N71-17805* # c 15
N71-17818* # c 26
N71-17822* # c 15
N71-17897* # c 33
N71-18064* # c 26
N71-18132* # c 15
N71-18465* # c 14
N71-18481* # c 14
N71-18482* # c 14
N71-18483* # c 14
N71-18578* # c 11
N71-18579* # c 15
N71-18580* # c 15
N71-18594* # c 08
N71-18595* # c 08
N71-18598* # c 09
N71-18599* # c 09
N71-18600* # c 09
N71-18602* # c 08
N71-18603* # c 12
N71-18611* # c 31
N71-18613* # c 15
N71-18614* # c 16
N71-18615* # c 12
N71-18616* # c 15
N71-18625* # c 14
N71-18692* # c 08
N71-18693* # c 08
N71-18694* # c 08
N71-18698* # c 03
N71-18699* # c 14
N71-18701* # c 15
N71-18720* # c 09
N71-18721* # c 09
N71-18722* # c 10
N71-18723* # c 10
N71-18724* # c 10
N71-18751* # c 08
N71-18752* # c 08
N71-18772* # c 10
N71-18773* # c 11
N71-18830* # c 09
N71-18843* # c 09
N71-19212* # c 21
N71-19213* # c 15
N71-19214* # c 15
N71-19287* # c 02
N71-19288* # c 08
N71-19417* # c 10
N71-19418* # c 10
N71-19420* # c 08
N71-19421* # c 10
N71-19431* # c 14
N71-19432* # c 08
N71-19433* # c 07
N71-19435* # c 08
N71-19436* # c 07
N71-19437* # c 08
N71-19438* # c 03
N71-19439* # c 05
N71-19440* # c 05
N71-19449* # c 09
N71-19466* # c 09

ACCESSION NUMBER INDEX

ACCESSION NUMBER INDEX

N71-26244

N71-19467*	c 10	N71-21089*	c 12	N71-23007*	c 02	N71-23663*	c 10	N71-24809*	c 14
N71-19468*	c 10	N71-21090*	c 14	N71-23008*	c 31	N71-23669*	c 10	N71-24813*	c 31
N71-19469*	c 10	N71-21091*	c 14	N71-23009*	c 31	N71-23698*	c 14	N71-24828*	c 16
N71-19470*	c 09	N71-21177*	c 15	N71-23015*	c 09	N71-23699*	c 14	N71-24830*	c 17
N71-19471*	c 10	N71-21179*	c 15	N71-23021*	c 09	N71-23710*	c 18	N71-24831*	c 16
N71-19472*	c 10	N71-21234*	c 15	N71-23022*	c 15	N71-23723*	c 30	N71-24832*	c 18
N71-19479*	c 09	N71-21311*	c 15	N71-23023*	c 15	N71-23725*	c 14	N71-24833*	c 15
N71-19480*	c 09	N71-21403*	c 15	N71-23024*	c 15	N71-23726*	c 14	N71-24834*	c 15
N71-19485*	c 15	N71-21404*	c 15	N71-23025*	c 15	N71-23755*	c 14	N71-24835*	c 15
N71-19486*	c 15	N71-21449*	c 09	N71-23026*	c 07	N71-23790*	c 14	N71-24836*	c 15
N71-19489*	c 15	N71-21473*	c 10	N71-23027*	c 09	N71-23797*	c 14	N71-24840*	c 07
N71-19493*	c 07	N71-21474*	c 11	N71-23029*	c 10	N71-23798* #	c 15	N71-24841*	c 09
N71-19494*	c 11	N71-21475*	c 11	N71-23030*	c 11	N71-23809*	c 15	N71-24842*	c 09
N71-19516*	c 09	N71-21476*	c 07	N71-23033*	c 10	N71-23810*	c 15	N71-24843*	c 09
N71-19544*	c 08	N71-21481*	c 11	N71-23036*	c 14	N71-23811*	c 15	N71-24844*	c 10
N71-19545*	c 03	N71-21483*	c 10	N71-23037*	c 14	N71-23812*	c 15	N71-24857*	c 23
N71-19547*	c 10	N71-21489*	c 15	N71-23039*	c 14	N71-23815*	c 15	N71-24858*	c 33
N71-19568*	c 14	N71-21493*	c 28	N71-23040*	c 14	N71-23816*	c 15	N71-24861*	c 10
N71-19569*	c 15	N71-21507*	c 33	N71-23041*	c 14	N71-23817*	c 15	N71-24862*	c 10
N71-19570*	c 15	N71-21528*	c 33	N71-23042*	c 11	N71-23828*	c 17	N71-24863*	c 10
N71-19610*	c 09	N71-21529*	c 15	N71-23043*	c 26	N71-23912*	c 31	N71-24864*	c 14
N71-19687*	c 08	N71-21530*	c 15	N71-23046*	c 17	N71-23968*	c 28	N71-24865*	c 15
N71-19763*	c 08	N71-21531*	c 15	N71-23047*	c 18	N71-23971*	c 32	N71-24868*	c 23
N71-19773*	c 07	N71-21536*	c 15	N71-23048*	c 15	N71-23976*	c 23	N71-24875*	c 15
N71-19854*	c 07	N71-21583*	c 09	N71-23049*	c 15	N71-24035*	c 31	N71-24876*	c 33
N71-20268*	c 05	N71-21586*	c 33	N71-23050*	c 15	N71-24042*	c 15	N71-24890*	c 08
N71-20273*	c 03	N71-21651*	c 18	N71-23051*	c 15	N71-24043*	c 15	N71-24891*	c 08
N71-20330*	c 28	N71-21688*	c 21	N71-23052*	c 15	N71-24044*	c 15	N71-24892*	c 09
N71-20393*	c 15	N71-21693*	c 25	N71-23080*	c 05	N71-24045*	c 15	N71-24893*	c 09
N71-20395*	c 15	N71-21694*	c 25	N71-23081*	c 28	N71-24046*	c 15	N71-24895*	c 15
N71-20396*	c 31	N71-21708*	c 21	N71-23084*	c 10	N71-24047*	c 15	N71-24896*	c 15
N71-20400*	c 16	N71-21744*	c 15	N71-23085*	c 33	N71-24074*	c 16	N71-24897*	c 15
N71-20407*	c 03	N71-21819*	c 27	N71-23086*	c 15	N71-24142*	c 17	N71-24903*	c 15
N71-20427*	c 14	N71-21821*	c 23	N71-23087*	c 14	N71-24145*	c 33	N71-24904*	c 09
N71-20428*	c 14	N71-21822*	c 28	N71-23088*	c 18	N71-24147*	c 05	N71-24910*	c 15
N71-20429*	c 14	N71-21824*	c 26	N71-23092*	c 14	N71-24164*	c 15	N71-24911*	c 17
N71-20430*	c 14	N71-21881*	c 31	N71-23093*	c 14	N71-24170*	c 16	N71-24934*	c 18
N71-20435*	c 14	N71-21882*	c 23	N71-23096*	c 05	N71-24183*	c 18	N71-24948*	c 21
N71-20436*	c 12	N71-21888*	c 31	N71-23097*	c 09	N71-24184*	c 18	N71-24964*	c 11
N71-20439*	c 14	N71-22705*	c 15	N71-23098*	c 07	N71-24232*	c 14	N71-24984*	c 15
N71-20440*	c 15	N71-22706*	c 15	N71-23099*	c 10	N71-24233*	c 14	N71-24985*	c 11
N71-20441*	c 15	N71-22707*	c 08	N71-23159*	c 05	N71-24234*	c 14	N71-25139*	c 10
N71-20442*	c 14	N71-22710*	c 08	N71-23161*	c 05	N71-24276*	c 33	N71-25213*	c 28
N71-20443*	c 15	N71-22713*	c 15	N71-23174*	c 14	N71-24285*	c 32	N71-25351*	c 33
N71-20445*	c 09	N71-22721*	c 15	N71-23175*	c 14	N71-24315*	c 31	N71-25353*	c 33
N71-20446*	c 09	N71-22722*	c 15	N71-23185*	c 04	N71-24321*	c 28	N71-25360*	c 32
N71-20447*	c 09	N71-22723*	c 15	N71-23187*	c 03	N71-24583*	c 07	N71-25434*	c 31
N71-20448*	c 10	N71-22748*	c 05	N71-23188*	c 09	N71-24589*	c 09	N71-25490*	c 26
N71-20461*	c 14	N71-22749*	c 08	N71-23189*	c 09	N71-24596*	c 09	N71-25555*	c 24
N71-20491*	c 03	N71-22750*	c 07	N71-23190*	c 09	N71-24597*	c 09	N71-25865*	c 10
N71-20492*	c 03	N71-22752*	c 14	N71-23191*	c 09	N71-24599*	c 15	N71-25866*	c 09
N71-20518*	c 24	N71-22765*	c 14	N71-23225*	c 14	N71-24600*	c 15	N71-25881*	c 18
N71-20563*	c 25	N71-22792*	c 33	N71-23226*	c 14	N71-24605*	c 03	N71-25882*	c 10
N71-20569*	c 09	N71-22796*	c 09	N71-23227*	c 14	N71-24606*	c 05	N71-25892*	c 14
N71-20570*	c 02	N71-22797*	c 15	N71-23230*	c 06	N71-24607*	c 06	N71-25899*	c 10
N71-20571*	c 08	N71-22798*	c 15	N71-23233*	c 03	N71-24612*	c 07	N71-25900*	c 10
N71-20658*	c 09	N71-22799*	c 15	N71-23240*	c 14	N71-24613*	c 07	N71-25901*	c 14
N71-20705*	c 09	N71-22874*	c 15	N71-23248*	c 17	N71-24614*	c 07	N71-25903*	c 17
N71-20717*	c 06	N71-22875*	c 11	N71-23254*	c 15	N71-24616*	c 09	N71-25914*	c 16
N71-20718*	c 05	N71-22877*	c 15	N71-23255*	c 15	N71-24621*	c 07	N71-25917*	c 10
N71-20739*	c 15	N71-22878*	c 15	N71-23256*	c 15	N71-24622*	c 07	N71-25929*	c 06
N71-20740*	c 15	N71-22880*	c 21	N71-23267*	c 14	N71-24623*	c 05	N71-25950*	c 10
N71-20741*	c 14	N71-22881*	c 23	N71-23268*	c 14	N71-24624*	c 07	N71-25975*	c 15
N71-20742*	c 18	N71-22888*	c 09	N71-23269*	c 14	N71-24625*	c 07	N71-25999*	c 09
N71-20743*	c 17	N71-22890*	c 33	N71-23270*	c 09	N71-24633*	c 08	N71-26000*	c 09
N71-20747*	c 25	N71-22894*	c 18	N71-23271*	c 10	N71-24650*	c 08	N71-26002*	c 09
N71-20782*	c 10	N71-22895*	c 16	N71-23289*	c 21	N71-24679*	c 15	N71-26084*	c 03
N71-20791*	c 07	N71-22896*	c 05	N71-23292*	c 26	N71-24681*	c 03	N71-26085*	c 10
N71-20813*	c 15	N71-22897*	c 08	N71-23293*	c 28	N71-24692*	c 12	N71-26092*	c 09
N71-20814*	c 07	N71-22961*	c 10	N71-23295*	c 08	N71-24693*	c 14	N71-26100*	c 18
N71-20815*	c 12	N71-22962*	c 10	N71-23311*	c 09	N71-24694*	c 15	N71-26101*	c 07
N71-20816*	c 09	N71-22964*	c 14	N71-23315*	c 10	N71-24695*	c 15	N71-26102*	c 07
N71-20834*	c 33	N71-22965*	c 14	N71-23318*	c 09	N71-24696*	c 15	N71-26103*	c 10
N71-20841*	c 10	N71-22968*	c 31	N71-23317*	c 05	N71-24717*	c 09	N71-26110*	c 02
N71-20842*	c 09	N71-22969*	c 31	N71-23336*	c 03	N71-24718*	c 03	N71-26133*	c 09
N71-20851*	c 09	N71-22974*	c 03	N71-23354*	c 03	N71-24719*	c 03	N71-26134*	c 15
N71-20852*	c 10	N71-22975*	c 06	N71-23365*	c 17	N71-24725*	c 23	N71-26135*	c 14
N71-20864*	c 09	N71-22982*	c 15	N71-23401*	c 14	N71-24728*	c 05	N71-26136*	c 14
N71-20895*	c 03	N71-22983*	c 28	N71-23405*	c 07	N71-24729*	c 05	N71-26137*	c 14
N71-20896*	c 12	N71-22984*	c 07	N71-23443*	c 09	N71-24730*	c 05	N71-26142*	c 10
N71-20904*	c 03	N71-22985*	c 09	N71-23449*	c 03	N71-24736*	c 28	N71-26145*	c 15
N71-20905*	c 06	N71-22986*	c 10	N71-23497*	c 01	N71-24738*	c 05	N71-26148*	c 15
N71-20942*	c 28	N71-22987*	c 09	N71-23499*	c 06	N71-24739*	c 06	N71-26153*	c 18
N71-21006*	c 14	N71-22988*	c 09	N71-23500*	c 06	N71-24740*	c 06	N71-26154*	c 16
N71-21007*	c 14	N71-22989*	c 14	N71-23525*	c 09	N71-24741*	c 07	N71-26155*	c 18
N71-21042*	c 08	N71-22990*	c 14	N71-23527*	c 06	N71-24742*	c 07	N71-26161*	c 14
N71-21045*	c 32	N71-22991*	c 14	N71-23543*	c 10	N71-24750*	c 31	N71-26162*	c 15
N71-21060*	c 15	N71-22992*	c 14	N71-23544*	c 10	N71-24798*	c 10	N71-26173*	c 28
N71-21064*	c 31	N71-22993*	c 14	N71-23545*	c 09	N71-24799*	c 10	N71-26181*	c 07
N71-21068*	c 18	N71-22994*	c 15	N71-23548*	c 09	N71-24800*	c 09	N71-26182*	c 09
N71-21072*	c 14	N71-22995*	c 14	N71-23573*	c 09	N71-24803*	c 09	N71-26185*	c 15
N71-21076*	c 15	N71-22996*	c 14	N71-23598*	c 09	N71-24804*	c 09	N71-26189*	c 15
N71-21078*	c 15	N71-22997*	c 15	N71-23599*	c 22	N71-24805*	c 09	N71-26199*	c 14
N71-21079*	c 14	N71-22998*	c 18	N71-23654*	c 26	N71-24806*	c 09	N71-26206*	c 23
N71-21082*	c 14	N71-22999*	c 09	N71-23658*	c 18	N71-24807*	c 09	N71-26243*	c 15
N71-21088*	c 14	N71-23001*	c 07	N71-23662*	c 10	N71-24808*	c 09	N71-26244*	c 14
		N71-23006*	c 03						

N71-26266*	c 14	N71-27341*	c 07	N71-29136*	c 15	N72-17326*	c 14	N72-22166*	c 08
N71-26285*	c 18	N71-27383*	c 06	N71-29137*	c 17	N72-17327*	c 14	N72-22167*	c 08
N71-26291*	c 07	N71-27384*	c 09	N71-29138*	c 08	N72-17328*	c 14	N72-22195*	c 09
N71-26292*	c 07	N71-27365*	c 10	N71-29139*	c 09	N72-17329*	c 14	N72-22196*	c 09
N71-26293*	c 05	N71-27366*	c 10	N71-29151*	c 33	N72-17450*	c 15	N72-22197*	c 09
N71-26294*	c 15	N71-27372*	c 15	N71-29152*	c 33	N72-17451*	c 15	N72-22198*	c 09
N71-26312*	c 15	N71-27397*	c 18	N71-29153*	c 28	N72-17452*	c 15	N72-22199*	c 09
N71-26326*	c 10	N71-27407*	c 14	N71-29154*	c 28	N72-17453*	c 15	N72-22200*	c 09
N71-26331*	c 10	N71-27432*	c 15	N71-29155*	c 27	N72-17454*	c 15	N72-22201*	c 09
N71-26333*	c 05	N71-27585*	c 28	N71-29156*	c 26	N72-17455*	c 15	N72-22202*	c 09
N71-26334*	c 10	N71-27754*	c 15	N71-29184*	c 25	N72-17532*	c 18	N72-22203*	c 09
N71-26339*	c 10	N71-27862*	c 33	N71-30026*	c 14	N72-17747*	c 23	N72-22204*	c 09
N71-26346*	c 15	N71-28421*	c 09	N71-30027*	c 23	N72-17820*	c 26	N72-22235*	c 10
N71-26374*	c 10	N71-28429*	c 07	N71-30028*	c 15	N72-17843*	c 28	N72-22236*	c 10
N71-26387*	c 12	N71-28430*	c 07	N71-30265*	c 14	N72-17873*	c 30	N72-22245*	c 11
N71-26414*	c 10	N71-28465*	c 15	N71-30292*	c 23	N72-17947*	c 33	N72-22246*	c 11
N71-26415*	c 10	N71-28467*	c 15	N71-33108*	c 07	N72-17948*	c 33	N72-22247*	c 11
N71-26418*	c 10	N71-28468*	c 09	N71-33109*	c 09	N72-18184*	c 08	N72-22248*	c 14
N71-26434*	c 10	N71-28554*	c 16	N71-33110*	c 08	N72-18411*	c 14	N72-22249*	c 14
N71-26474*	c 14	N71-28579*	c 03	N71-33129*	c 10	N72-18477*	c 15	N72-22250*	c 14
N71-26475*	c 14	N71-28582*	c 15	N71-33160*	c 31	N72-18766*	c 28	N72-22251*	c 14
N71-26531*	c 10	N71-28618*	c 09	N71-33229*	c 23	N72-18859*	c 31	N72-22252*	c 14
N71-26537*	c 31	N71-28619*	c 05	N71-33407*	c 10	N72-20031*	c 03	N72-22253*	c 14
N71-26544*	c 10	N71-28620*	c 06	N71-33408*	c 17	N72-20032*	c 03	N72-22254*	c 14
N71-26546*	c 12	N71-28629*	c 11	N71-33409*	c 03	N72-20033*	c 03	N72-22255*	c 14
N71-26577*	c 10	N71-28691*	c 09	N71-33410*	c 18	N72-20034*	c 03	N72-22256*	c 14
N71-26579*	c 07	N71-28729*	c 18	N71-33518*	c 15	N72-20096*	c 05	N72-22257*	c 18
N71-26611*	c 15	N71-28739*	c 10	N71-33519*	c 09	N72-20097*	c 05	N72-22258*	c 15
N71-26626*	c 10	N71-28740*	c 15	N71-33606*	c 07	N72-20098*	c 05	N72-22259*	c 15
N71-26627*	c 14	N71-28741*	c 12	N71-33612*	c 11	N72-20121*	c 06	N72-22260*	c 15
N71-26635*	c 15	N71-28747*	c 17	N71-33613*	c 07	N72-20140*	c 07	N72-22261*	c 15
N71-26642*	c 28	N71-28759*	c 22	N71-33696*	c 07	N72-20141*	c 07	N72-22262*	c 15
N71-26654*	c 23	N71-28779*	c 11	N71-34044*	c 03	N72-20154*	c 07	N72-22263*	c 15
N71-26672*	c 14	N71-28783*	c 10	N71-34212*	c 09	N72-20176*	c 08	N72-22264*	c 15
N71-26673*	c 15	N71-28807*	c 06	N71-34389*	c 14	N72-20177*	c 08	N72-22265*	c 15
N71-26674*	c 19	N71-28808*	c 06	N72-10138*	c 06	N72-20199*	c 09	N72-22266*	c 15
N71-26678*	c 09	N71-28809*	c 07	N72-10375*	c 14	N72-20200*	c 09	N72-22267*	c 15
N71-26681*	c 32	N71-28810*	c 09	N72-11018*	c 02	N72-20201*	c 09	N72-22268*	c 16
N71-26701*	c 09	N71-28849*	c 28	N72-11062*	c 03	N72-20202*	c 10	N72-22269*	c 17
N71-26721*	c 15	N71-28850*	c 28	N72-11084*	c 05	N72-20222*	c 10	N72-22270*	c 17
N71-26722*	c 23	N71-28851*	c 31	N72-11085*	c 05	N72-20223*	c 10	N72-22271*	c 17
N71-26726*	c 03	N71-28852*	c 33	N72-11148*	c 07	N72-20224*	c 10	N72-22272*	c 18
N71-26754*	c 06	N71-28859*	c 10	N72-11149*	c 07	N72-20225*	c 10	N72-22273*	c 21
N71-26772*	c 18	N71-28860*	c 10	N72-11150*	c 07	N72-20244*	c 11	N72-22274*	c 23
N71-26773*	c 17	N71-28863*	c 14	N72-11171*	c 08	N72-20379*	c 14	N72-22275*	c 28
N71-26774*	c 14	N71-28886*	c 09	N72-11172*	c 08	N72-20380*	c 14	N72-22276*	c 28
N71-26779*	c 28	N71-28892*	c 33	N72-11224*	c 09	N72-20381*	c 14	N72-22277*	c 28
N71-26781*	c 28	N71-28900*	c 07	N72-11225*	c 09	N72-20442*	c 15	N72-22278*	c 28
N71-26787*	c 09	N71-28903*	c 33	N72-11256*	c 10	N72-20443*	c 15	N72-22279*	c 31
N71-26788*	c 14	N71-28915*	c 28	N72-11363*	c 14	N72-20444*	c 15	N72-22280*	c 31
N71-27001*	c 09	N71-28925*	c 08	N72-11364*	c 14	N72-20445*	c 15	N72-22281*	c 31
N71-27005*	c 14	N71-28926*	c 09	N72-11365*	c 14	N72-20446*	c 15	N72-22282*	c 31
N71-27006*	c 15	N71-28928*	c 28	N72-11385*	c 15	N72-20597*	c 22	N72-22283*	c 31
N71-27016*	c 09	N71-28929*	c 27	N72-11386*	c 15	N72-20598*	c 28	N72-22284*	c 31
N71-27036*	c 11	N71-28933*	c 14	N72-11387*	c 15	N72-20758*	c 28	N72-22285*	c 31
N71-27053*	c 09	N71-28935*	c 14	N72-11388*	c 15	N72-20767*	c 28	N72-22286*	c 31
N71-27056*	c 07	N71-28936*	c 15	N72-11389*	c 15	N72-20840*	c 31	N72-22287*	c 31
N71-27057*	c 08	N71-28937*	c 15	N72-11390*	c 15	N72-20915*	c 33	N72-22288*	c 31
N71-27058*	c 14	N71-28951*	c 15	N72-11391*	c 15	N72-21094*	c 06	N72-22289*	c 31
N71-27067*	c 15	N71-28952*	c 15	N72-11392*	c 15	N72-21105*	c 06	N72-22290*	c 31
N71-27068*	c 15	N71-28958*	c 14	N72-11568*	c 23	N72-21117*	c 07	N72-22291*	c 31
N71-27084*	c 15	N71-28959*	c 15	N72-11595*	c 24	N72-21118*	c 07	N72-22292*	c 31
N71-27088*	c 02	N71-28960*	c 10	N72-11708*	c 28	N72-21119*	c 07	N72-22293*	c 31
N71-27090*	c 14	N71-28963*	c 16	N72-11709*	c 28	N72-21197*	c 08	N72-22294*	c 31
N71-27091*	c 15	N71-28965*	c 07	N72-11709*	c 28	N72-21198*	c 08	N72-22295*	c 31
N71-27094*	c 28	N71-28979*	c 07	N72-12080*	c 07	N72-21199*	c 08	N72-22296*	c 31
N71-27095*	c 28	N71-28980*	c 07	N72-12081*	c 07	N72-21200*	c 08	N72-22297*	c 31
N71-27126*	c 10	N71-28980*	c 07	N72-12136*	c 09	N72-21243*	c 09	N72-22298*	c 31
N71-27135*	c 15	N71-28991*	c 14	N72-12408*	c 15	N72-21244*	c 09	N72-22299*	c 31
N71-27136*	c 10	N71-28992*	c 14	N72-12409*	c 15	N72-21245*	c 09	N72-22300*	c 31
N71-27137*	c 10	N71-28993*	c 14	N72-12440*	c 16	N72-21246*	c 09	N72-22301*	c 31
N71-27146*	c 15	N71-28994*	c 14	N72-13437*	c 16	N72-21247*	c 09	N72-22302*	c 31
N71-27147*	c 15	N71-29008*	c 09	N72-15098*	c 05	N72-21248*	c 09	N72-22303*	c 31
N71-27169*	c 15	N71-29018*	c 15	N72-15986*	c 03	N72-21310*	c 12	N72-22304*	c 31
N71-27170*	c 18	N71-29032*	c 15	N72-16015*	c 05	N72-21405*	c 14	N72-22305*	c 31
N71-27183*	c 16	N71-29033*	c 08	N72-16172*	c 10	N72-21407*	c 14	N72-22306*	c 31
N71-27184*	c 15	N71-29034*	c 08	N72-16282*	c 14	N72-21408*	c 14	N72-22307*	c 31
N71-27185*	c 14	N71-29035*	c 09	N72-16283*	c 14	N72-21409*	c 14	N72-22308*	c 31
N71-27186*	c 14	N71-29040*	c 18	N72-16329*	c 15	N72-21462*	c 15	N72-22309*	c 31
N71-27191*	c 07	N71-29041*	c 14	N72-16330*	c 15	N72-21463*	c 15	N72-22310*	c 31
N71-27210*	c 08	N71-29044*	c 03	N72-17093*	c 06	N72-21464*	c 15	N72-22311*	c 31
N71-27214*	c 15	N71-29046*	c 33	N72-17094*	c 06	N72-21465*	c 15	N72-22312*	c 31
N71-27215*	c 14	N71-29049*	c 23	N72-17095*	c 06	N72-21466*	c 15	N72-22313*	c 31
N71-27232*	c 09	N71-29050*	c 31	N72-17109*	c 07	N72-21489*	c 15	N72-22314*	c 31
N71-27233*	c 07	N71-29051*	c 33	N72-17152*	c 09	N72-21624*	c 21	N72-22315*	c 31
N71-27234*	c 05	N71-29052*	c 33	N72-17153*	c 09	N72-21701*	c 26	N72-22316*	c 31
N71-27254*	c 06	N71-29053*	c 33	N72-17154*	c 09	N72-21893*	c 31	N72-22317*	c 31
N71-27255*	c 08	N71-29065*	c 07	N72-17155*	c 09	N72-22041*	c 03	N72-22318*	c 31
N71-27271*	c 10	N71-29123*	c 23	N72-17156*	c 09	N72-22042*	c 03	N72-22319*	c 31
N71-27272*	c 10	N71-29125*	c 23	N72-17157*	c 09	N72-22092*	c 05	N72-22320*	c 31
N71-27323*	c 14	N71-29128*	c 02	N72-17171*	c 10	N72-22093*	c 05	N72-22321*	c 31
N71-27324*	c 21	N71-29129*	c 03	N72-17172*	c 10	N72-22107*	c 06	N72-22322*	c 31
N71-27325*	c 14	N71-29131*	c 16	N72-17173*	c 10	N72-22127*	c 07	N72-22323*	c 31
N71-27332*	c 12	N71-29132*	c 15	N72-17183*	c 11	N72-22162*	c 08	N72-22324*	c 31
N71-27334*	c 14	N71-29133*	c 15	N72-17323*	c 14	N72-22163*	c 08	N72-22325*	c 31
N71-27338*	c 10	N71-29134*	c 14	N72-17324*	c 14	N72-22164*	c 08	N72-22326*	c 31
		N71-29135*	c 10	N72-17325*	c 14	N72-22165*	c 08	N72-22327*	c 31

ACCESSION NUMBER INDEX

N72-25254* # c 09
N72-25255* # c 09
N72-25256* # c 09
N72-25257* # c 09
N72-25258* # c 09
N72-25259* # c 09
N72-25260* # c 09
N72-25261* # c 09
N72-25262* # c 09
N72-25284* # c 11
N72-25287* # c 11
N72-25288* # c 11
N72-25292* # c 12
N72-25323* # c 13
N72-25409* # c 14
N72-25410* # c 14
N72-25411* # c 14
N72-25412* # c 14
N72-25413* # c 14
N72-25414* # c 14
N72-25428* # c 14
N72-25447* # c 15
N72-25448* # c 15
N72-25450* # c 15
N72-25451* # c 15
N72-25452* # c 15
N72-25453* # c 15
N72-25454* # c 15
N72-25455* # c 15
N72-25456* # c 15
N72-25457* # c 15
N72-25485* # c 16
N72-25539* # c 18
N72-25540* # c 18
N72-25541* # c 18
N72-25595* # c 21
N72-25619* # c 23
N72-25679* # c 26
N72-25680* # c 26
N72-25699* # c 27
N72-25842* # c 31
N72-25877* # c 32
N72-25911* # c 33
N72-25913* # c 33
N72-26031* # c 03
N72-26371* # c 15
N72-27053* # c 03
N72-27102* # c 05
N72-27103* # c 05
N72-27144* # c 06
N72-27151* # c 06
N72-27226* # c 09
N72-27227* # c 09
N72-27228* # c 09
N72-27246* # c 10
N72-27262* # c 11
N72-27408* # c 14
N72-27409* # c 14
N72-27410* # c 14
N72-27411* # c 14
N72-27412* # c 14
N72-27484* # c 15
N72-27485* # c 15
N72-27728* # c 23
N72-27784* # c 26
N72-27959* # c 33
N72-28025* # c 03
N72-28225* # c 09
N72-28240* # c 10
N72-28241* # c 10
N72-28436* # c 14
N72-28437* # c 14
N72-28438* # c 14
N72-28495* # c 15
N72-28496* # c 15
N72-28521* # c 16
N72-28535* # c 17
N72-28536* # c 17
N72-28761* # c 26
N72-28762* # c 26
N72-29172* # c 09
N72-29464* # c 14
N72-29488* # c 15
N72-31140* # c 06
N72-31141* # c 06
N72-31226* # c 08
N72-31235* # c 09
N72-31273* # c 10
N72-31446* # c 14
N72-31483* # c 15
N72-31637* # c 21
N72-32169* # c 07
N72-32452* # c 14
N72-32487* # c 15
N72-32688* # c 25
N72-33072* # c 04

N72-33096* # c 05
N72-33146* # c 07
N72-33172* # c 08
N72-33204* # c 09
N72-33205* # c 09
N72-33230* # c 10
N72-33377* # c 14
N72-33476* # c 15
N72-33477* # c 15
N72-33681* # c 24
N72-33696* # c 25
N73-12175* # c 08
N73-12176* # c 08
N73-12177* # c 08
N73-12211* # c 09
N73-12214* # c 09
N73-12244* # c 10
N73-12264* # c 11
N73-12265* # c 11
N73-12444* # c 14
N73-12445* # c 14
N73-12446* # c 14
N73-12447* # c 14
N73-12486* # c 15
N73-12487* # c 15
N73-12488* # c 15
N73-12489* # c 15
N73-12492* # c 15
N73-12495* # c 15
N73-12547* # c 17
N73-12604* # c 18
N73-12884* # c 30
N73-13008* # c 02
N73-13114* # c 05
N73-13128* # c 06
N73-13129* # c 06
N73-13149* # c 07
N73-13187* # c 08
N73-13208* # c 09
N73-13209* # c 09
N73-13235* # c 10
N73-13257* # c 11
N73-13415* # c 14
N73-13416* # c 14
N73-13417* # c 14
N73-13418* # c 14
N73-13420* # c 14
N73-13435* # c 14
N73-13462* # c 15
N73-13463* # c 15
N73-13464* # c 15
N73-13465* # c 15
N73-13466* # c 15
N73-13467* # c 15
N73-13489* # c 16
N73-13562* # c 18
N73-13643* # c 21
N73-13644* # c 21
N73-13660* # c 23
N73-13661* # c 23
N73-13662* # c 23
N73-13773* # c 28
N73-13898* # c 31
N73-13921* # c 32
N73-14130* # c 07
N73-14214* # c 09
N73-14427* # c 14
N73-14428* # c 14
N73-14429* # c 14
N73-14488* # c 15
N73-14469* # c 18
N73-14584* # c 18
N73-14692* # c 21
N73-14853* # c 31
N73-14854* # c 31
N73-14855* # c 31
N73-15235* # c 09
N73-16106* # c 06
N73-16121* # c 07
N73-16205* # c 10
N73-16208* # c 10
N73-16483* # c 14
N73-16484* # c 14
N73-16536* # c 16
N73-16764* # c 27
N73-16918* # c 33
N73-18004* # c 02
N73-19234* # c 09
N73-19235* # c 09
N73-19419* # c 14
N73-19420* # c 14
N73-19421* # c 14
N73-19457* # c 15
N73-19458* # c 15
N73-19630* # c 21
N73-19793* # c 28

N73-20039* # c 03
N73-20040* # c 03
N73-20137* # c 05
N73-20174* # c 07
N73-20175* # c 07
N73-20176* # c 07
N73-20217* # c 08
N73-20231* # c 09
N73-20232* # c 09
N73-20253* # c 10
N73-20254* # c 10
N73-20267* # c 11
N73-20474* # c 14
N73-20475* # c 14
N73-20476* # c 14
N73-20477* # c 14
N73-20478* # c 14
N73-20514* # c 15
N73-20740* # c 32
N73-20741* # c 23
N73-22076* # c 07
N73-22710* # c 27
N73-24176* # c 07
N73-24472* # c 14
N73-24473* # c 14
N73-24513* # c 15
N73-24569* # c 17
N73-24783* # c 28
N73-24784* # c 28
N73-25125* # c 05
N73-25160* # c 07
N73-25161* # c 07
N73-25206* # c 08
N73-25240* # c 10
N73-25241* # c 10
N73-25243* # c 10
N73-25262* # c 12
N73-25460* # c 14
N73-25461* # c 14
N73-25462* # c 14
N73-25463* # c 14
N73-25512* # c 15
N73-25513* # c 15
N73-25760* # c 25
N73-25952* # c 33
N73-26004* # c 02
N73-26005* # c 02
N73-26006* # c 02
N73-26071* # c 05
N73-26072* # c 05
N73-26100* # c 06
N73-26117* # c 07
N73-26118* # c 07
N73-26119* # c 07
N73-26175* # c 08
N73-26176* # c 08
N73-26195* # c 09
N73-26228* # c 10
N73-26229* # c 10
N73-26230* # c 10
N73-26238* # c 11
N73-26430* # c 14
N73-26431* # c 14
N73-26432* # c 14
N73-26472* # c 15
N73-26572* # c 18
N73-26751* # c 26
N73-26752* # c 26
N73-26876* # c 31
N73-26910* # c 32
N73-26958* # c 33
N73-27052* # c 04
N73-27062* # c 05
N73-27088* # c 06
N73-27150* # c 09
N73-27171* # c 10
N73-27376* # c 14
N73-27377* # c 14
N73-27378* # c 14
N73-27379* # c 14
N73-27405* # c 15
N73-27406* # c 15
N73-27446* # c 17
N73-27699* # c 28
N73-27796* # c 33
N73-27941* # c 05
N73-27980* # c 06
N73-28012* # c 07
N73-28013* # c 07
N73-28045* # c 08
N73-28083* # c 09
N73-28084* # c 09
N73-28144* # c 12
N73-28488* # c 14
N73-28487* # c 14
N73-28488* # c 14

N73-28489* # c 14
N73-28490* # c 14
N73-28491* # c 14
N73-28515* # c 15
N73-28516* # c 15
N73-28573* # c 17
N73-28710* # c 26
N73-30078* # c 05
N73-30097* # c 06
N73-30098* # c 06
N73-30099* # c 06
N73-30100* # c 06
N73-30101* # c 06
N73-30102* # c 06
N73-30103* # c 06
N73-30113* # c 07
N73-30115* # c 07
N73-30135* # c 08
N73-30181* # c 09
N73-30185* # c 09
N73-30205* # c 10
N73-30386* # c 14
N73-30388* # c 14
N73-30389* # c 14
N73-30390* # c 14
N73-30391* # c 14
N73-30392* # c 14
N73-30393* # c 14
N73-30394* # c 14
N73-30395* # c 14
N73-30457* # c 15
N73-30458* # c 15
N73-30459* # c 15
N73-30460* # c 15
N73-30476* # c 16
N73-30532* # c 18
N73-30640* # c 21
N73-30641* # c 21
N73-30665* # c 23
N73-30666* # c 23
N73-30829* # c 31
N73-31988* # c 03
N73-32011* # c 05
N73-32012* # c 05
N73-32013* # c 05
N73-32014* # c 05
N73-32015* # c 05
N73-32029* # c 06
N73-32030* # c 06
N73-32081* # c 08
N73-32107* # c 09
N73-32108* # c 09
N73-32109* # c 09
N73-32110* # c 09
N73-32111* # c 09
N73-32112* # c 09
N73-32143* # c 10
N73-32144* # c 10
N73-32145* # c 10
N73-32152* # c 11
N73-32317* # c 14
N73-32318* # c 14
N73-32319* # c 14
N73-32320* # c 14
N73-32321* # c 14
N73-32322* # c 14
N73-32323* # c 14
N73-32324* # c 14
N73-32325* # c 14
N73-32326* # c 14
N73-32327* # c 14
N73-32358* # c 15
N73-32359* # c 15
N73-32360* # c 15
N73-32361* # c 15
N73-32362* # c 15
N73-32391* # c 16
N73-32414* # c 17
N73-32415* # c 17
N73-32437* # c 18
N73-32528* # c 22
N73-32571* # c 26
N73-32606* # c 28
N73-32749* # c 31
N73-32750* # c 31
N73-32818* # c 33
N73-33076* # c 06
N73-33361* # c 14
N73-33383* # c 15
N73-33397* # c 16
N74-10034* # c 02
N74-10132* # c 32
N74-10194* # c 33
N74-10195* # c 33
N74-10223* # c 33
N74-10415* # c 35

N74-20329

N74-10474* # c 37
N74-10521* # c 26
N74-10907* # c 05
N74-10942* # c 08
N74-10975* # c 52
N74-11000* # c 32
N74-11049* # c 33
N74-11050* # c 33
N74-11283* # c 35
N74-11284* # c 35
N74-11300* # c 37
N74-11301* # c 37
N74-11313* # c 36
N74-12778* # c 52
N74-12779* # c 54
N74-12812* # c 27
N74-12813* # c 25
N74-12814* # c 27
N74-12887* # c 33
N74-12888* # c 60
N74-12912* # c 32
N74-12913* # c 33
N74-12951* # c 33
N74-13011* # c 46
N74-13129* # c 35
N74-13130* # c 91
N74-13131* # c 39
N74-13132* # c 35
N74-13177* # c 31
N74-13178* # c 37
N74-13179* # c 37
N74-13205* # c 36
N74-13270* # c 27
N74-13420* # c 04
N74-13436* # c 70
N74-13502* # c 20
N74-14133* # c 31
N74-14784* # c 44
N74-14845* # c 54
N74-14920* # c 62
N74-14935* # c 33
N74-14939* # c 33
N74-14956* # c 33
N74-15089* # c 19
N74-15090* # c 35
N74-15091* # c 35
N74-15092* # c 35
N74-15093* # c 35
N74-15094* # c 35
N74-15095* # c 74
N74-15125* # c 37
N74-15126* # c 35
N74-15127* # c 35
N74-15128* # c 37
N74-15130* # c 38
N74-15145* # c 36
N74-15146* # c 35
N74-15395* # c 38
N74-15453* # c 07
N74-15652* # c 34
N74-15778* # c 51
N74-15831* # c 35
N74-16135* # c 35
N74-17153* # c 35
N74-17283* # c 27
N74-17853* # c 54
N74-17885* # c 35
N74-17927* # c 33
N74-17928* # c 33
N74-17929* # c 33
N74-17930* # c 33
N74-17955* # c 09
N74-18088* # c 35
N74-18089* # c 31
N74-18090* # c 35
N74-18123* # c 37
N74-18124* # c 31
N74-18125* # c 37
N74-18126* # c 37
N74-18127* # c 37
N74-18128* # c 37
N74-18323* # c 35
N74-18551* # c 25
N74-18552* # c 34
N74-19310* # c 72
N74-19528* # c 09
N74-19692* # c 44
N74-19693* # c 44
N74-19769* # c 24
N74-19788* # c 32
N74-19790* # c 32
N74-19870* # c 44
N74-20008* # c 74
N74-20009* # c 36
N74-20063* # c 37
N74-20329* # c 76

N74-20646* #	c 02	N74-28226* #	c 07	N75-19613* #	c 35	N75-31331* #	c 33	N76-18641* #	c 44
N74-20725* #	c 54	N74-29410* #	c 19	N75-19614* #	c 35	N75-31332* #	c 33	N76-18642* #	c 44
N74-20726* #	c 52	N74-29556* #	c 33	N75-19615* #	c 35	N75-31426* #	c 36	N76-18643* #	c 44
N74-20728* #	c 52	N74-30001* #	c 24	N75-19616* #	c 35	N75-31427* #	c 36	N76-18800* #	c 60
N74-20809* #	c 32	N74-30156* #	c 75	N75-19652* #	c 36	N75-31446* #	c 37	N76-18913* #	c 74
N74-20810* #	c 32	N74-30421* #	c 08	N75-19653* #	c 36	N75-32441* #	c 36	N76-19338* #	c 33
N74-20811* #	c 32	N74-30502* #	c 25	N75-19654* #	c 36	N75-32465* #	c 37	N76-19339* #	c 33
N74-20813* #	c 32	N74-30523* #	c 32	N75-19655* #	c 36	N75-32581* #	c 44	N76-19436* #	c 37
N74-20836* #	c 60	N74-30524* #	c 32	N75-19683* #	c 37	N75-33181* #	c 24	N76-19437* #	c 37
N74-20859* #	c 33	N74-30597* #	c 09	N75-19684* #	c 37	N75-33342* #	c 34	N76-19785* #	c 52
N74-20860* #	c 33	N74-30608* #	c 34	N75-19685* #	c 37	N75-33368* #	c 35	N76-19888* #	c 66
N74-20861* #	c 33	N74-30886* #	c 89	N75-19686* #	c 37	N75-33369* #	c 35	N76-19935* #	c 74
N74-20862* #	c 33	N74-31148* #	c 71	N75-20139* #	c 77	N75-33395* #	c 37	N76-20114* #	c 04
N74-20863* #	c 32	N74-31269* #	c 20	N75-20140* #	c 77	N75-33640* #	c 52	N76-20480* #	c 37
N74-20864* #	c 32	N74-31270* #	c 07	N75-21485* #	c 32	N76-14158* #	c 15	N76-20958* #	c 74
N74-21014* #	c 71	N74-32418* #	c 07	N75-21486* #	c 32	N76-14186* #	c 18	N76-20994* #	c 76
N74-21015* #	c 19	N74-32546* #	c 54	N75-21582* #	c 35	N76-14190* #	c 20	N76-21250* #	c 17
N74-21017* #	c 35	N74-32598* #	c 32	N75-21631* #	c 37	N76-14191* #	c 20	N76-21275* #	c 20
N74-21018* #	c 35	N74-32660* #	c 33	N75-23910* #	c 35	N76-14203* #	c 24	N76-21276* #	c 20
N74-21019* #	c 35	N74-32711* #	c 33	N75-24716* #	c 05	N76-14204* #	c 24	N76-21365* #	c 32
N74-21055* #	c 37	N74-32712* #	c 33	N75-24736* #	c 07	N76-14264* #	c 27	N76-21366* #	c 32
N74-21056* #	c 37	N74-32877* #	c 35	N75-24758* #	c 09	N76-14284* #	c 31	N76-21390* #	c 33
N74-21057* #	c 37	N74-32878* #	c 35	N75-24774* #	c 12	N76-14321* #	c 32	N76-21554* #	c 37
N74-21058* #	c 37	N74-32879* #	c 35	N75-24794* #	c 14	N76-14371* #	c 33	N76-21742* #	c 45
N74-21059* #	c 31	N74-32917* #	c 31	N75-24837* #	c 20	N76-14372* #	c 33	N76-21914* #	c 60
N74-21060* #	c 37	N74-32918* #	c 37	N75-24981* #	c 32	N76-14373* #	c 33	N76-22154* #	c 02
N74-21061* #	c 37	N74-32919* #	c 20	N75-24982* #	c 32	N76-14429* #	c 35	N76-22245* #	c 17
N74-21062* #	c 35	N74-32920* #	c 31	N75-25040* #	c 33	N76-14430* #	c 35	N76-22284* #	c 19
N74-21063* #	c 37	N74-32921* #	c 37	N75-25041* #	c 33	N76-14431* #	c 35	N76-22296* #	c 20
N74-21064* #	c 37	N74-33209* #	c 28	N75-25122* #	c 35	N76-14447* #	c 36	N76-22309* #	c 24
N74-21065* #	c 37	N74-33218* #	c 07	N75-25123* #	c 35	N76-14460* #	c 37	N76-22323* #	c 25
N74-21091* #	c 36	N74-33378* #	c 25	N75-25124* #	c 35	N76-14461* #	c 37	N76-22376* #	c 27
N74-21156* #	c 27	N74-33379* #	c 44	N75-25185* #	c 37	N76-14463* #	c 37	N76-22377* #	c 27
N74-21300* #	c 70	N74-34638* #	c 33	N75-25186* #	c 37	N76-14595* #	c 44	N76-22509* #	c 35
N74-21304* #	c 74	N74-34672* #	c 85	N75-25503* #	c 51	N76-14600* #	c 44	N76-22540* #	c 37
N74-21850* #	c 33	N74-34857* #	c 35	N75-25706* #	c 74	N76-14601* #	c 44	N76-22541* #	c 37
N74-21851* #	c 33	N75-12086* #	c 25	N75-25730* #	c 76	N76-14602* #	c 44	N76-22657* #	c 44
N74-22095* #	c 35	N75-12087* #	c 25	N75-25914* #	c 05	N76-14757* #	c 52	N76-22914* #	c 54
N74-22096* #	c 32	N75-12161* #	c 31	N75-25915* #	c 05	N76-14804* #	c 54	N76-22993* #	c 74
N74-22136* #	c 18	N75-12222* #	c 34	N75-26043* #	c 25	N76-14818* #	c 60	N76-23273* #	c 09
N74-22271* #	c 52	N75-12270* #	c 35	N75-26194* #	c 32	N76-14931* #	c 75	N76-23426* #	c 27
N74-22814* #	c 33	N75-12271* #	c 35	N75-26195* #	c 32	N76-15189* #	c 12	N76-23570* #	c 37
N74-22864* #	c 33	N75-12272* #	c 35	N75-26243* #	c 33	N76-15268* #	c 23	N76-23675* #	c 44
N74-22865* #	c 33	N75-12273* #	c 35	N75-26244* #	c 33	N76-15310* #	c 27	N76-23850* #	c 60
N74-22885* #	c 33	N75-12326* #	c 37	N75-26245* #	c 33	N76-15311* #	c 27	N76-24280* #	c 09
N74-23039* #	c 34	N75-12616* #	c 54	N75-26246* #	c 33	N76-15329* #	c 32	N76-24363* #	c 24
N74-23040* #	c 35	N75-12732* #	c 74	N75-26282* #	c 34	N76-15330* #	c 32	N76-24405* #	c 27
N74-23064* #	c 37	N75-12810* #	c 76	N75-26334* #	c 35	N76-15373* #	c 33	N76-24523* #	c 35
N74-23065* #	c 31	N75-12930* #	c 05	N75-26371* #	c 37	N76-15431* #	c 35	N76-24524* #	c 35
N74-23066* #	c 34	N75-12968* #	c 09	N75-26372* #	c 37	N76-15432* #	c 35	N76-24525* #	c 35
N74-23068* #	c 46	N75-12969* #	c 09	N75-26789* #	c 70	N76-15433* #	c 35	N76-24553* #	c 36
N74-23069* #	c 46	N75-13007* #	c 15	N75-27040* #	c 18	N76-15434* #	c 35	N76-24575* #	c 37
N74-23070* #	c 37	N75-13032* #	c 24	N75-27041* #	c 18	N76-15435* #	c 35	N76-24696* #	c 44
N74-23125* #	c 27	N75-13111* #	c 31	N75-27125* #	c 26	N76-15436* #	c 35	N76-24900* #	c 54
N74-25968* #	c 37	N75-13139* #	c 33	N75-27126* #	c 26	N76-15457* #	c 37	N76-25049* #	c 76
N74-26625* #	c 52	N75-13213* #	c 35	N75-27127* #	c 26	N76-15460* #	c 37	N76-26175* #	c 04
N74-26626* #	c 52	N75-13261* #	c 37	N75-27160* #	c 27	N76-15461* #	c 37	N76-27232* #	c 07
N74-26654* #	c 32	N75-13265* #	c 37	N75-27249* #	c 33	N76-15660* #	c 72	N76-27383* #	c 25
N74-26732* #	c 33	N75-13266* #	c 37	N75-27250* #	c 33	N76-16014* #	c 02	N76-27472* #	c 33
N74-26767* #	c 73	N75-13502* #	c 51	N75-27251* #	c 33	N76-16228* #	c 27	N76-27473* #	c 33
N74-26945* #	c 35	N75-13531* #	c 54	N75-27252* #	c 33	N76-16229* #	c 27	N76-27515* #	c 34
N74-26946* #	c 35	N75-13539* #	c 60	N75-27328* #	c 35	N76-16230* #	c 27	N76-27517* #	c 34
N74-26947* #	c 25	N75-13625* #	c 75	N75-27329* #	c 35	N76-16249* #	c 32	N76-27567* #	c 37
N74-26948* #	c 25	N75-14834* #	c 23	N75-27330* #	c 35	N76-16331* #	c 33	N76-27568* #	c 37
N74-26949* #	c 35	N75-14844* #	c 25	N75-27331* #	c 35	N76-16332* #	c 33	N76-27664* #	c 44
N74-26976* #	c 37	N75-14957* #	c 33	N75-27364* #	c 36	N76-16390* #	c 35	N76-28563* #	c 38
N74-26977* #	c 33	N75-15014* #	c 35	N75-27376* #	c 37	N76-16391* #	c 35	N76-28635* #	c 44
N74-27035* #	c 24	N75-15028* #	c 36	N75-27585* #	c 45	N76-16392* #	c 35	N76-29217* #	c 05
N74-27037* #	c 27	N75-15029* #	c 37	N75-27758* #	c 54	N76-16393* #	c 35	N76-29347* #	c 17
N74-27360* #	c 15	N75-15050* #	c 36	N75-27759* #	c 54	N76-16446* #	c 37	N76-29379* #	c 25
N74-27397* #	c 18	N75-15270* #	c 52	N75-27760* #	c 54	N76-16612* #	c 44	N76-29551* #	c 35
N74-27425* #	c 28	N75-15662* #	c 09	N75-27761* #	c 54	N76-17185* #	c 18	N76-29552* #	c 35
N74-27490* #	c 07	N75-15854* #	c 32	N75-28135* #	c 24	N76-17317* #	c 34	N76-29575* #	c 36
N74-27519* #	c 44	N75-15874* #	c 33	N75-29192* #	c 25	N76-17656* #	c 45	N76-29588* #	c 37
N74-27566* #	c 52	N75-15931* #	c 35	N75-29236* #	c 26	N76-17951* #	c 75	N76-29590* #	c 37
N74-27612* #	c 32	N75-15932* #	c 35	N75-29263* #	c 27	N76-18117* #	c 07	N76-29599* #	c 44
N74-27682* #	c 33	N75-15992* #	c 37	N75-29318* #	c 33	N76-18245* #	c 25	N76-29700* #	c 44
N74-27683* #	c 33	N75-16783* #	c 35	N75-29380* #	c 35	N76-18257* #	c 26	N76-29701* #	c 44
N74-27705* #	c 33	N75-18310* #	c 20	N75-29381* #	c 35	N76-18295* #	c 32	N76-29704* #	c 44
N74-27730* #	c 34	N75-18477* #	c 33	N75-29382* #	c 35	N76-18345* #	c 33	N76-29891* #	c 51
N74-27744* #	c 34	N75-18479* #	c 33	N75-29426* #	c 37	N76-18353* #	c 33	N76-29894* #	c 52
N74-27859* #	c 34	N75-18573* #	c 37	N75-30132* #	c 03	N76-18364* #	c 34	N76-29895* #	c 52
N74-27860* #	c 35	N75-18574* #	c 37	N75-30256* #	c 23	N76-18374* #	c 34	N76-29896* #	c 52
N74-27861* #	c 34	N75-19329* #	c 18	N75-30260* #	c 24	N76-18400* #	c 35	N76-30053* #	c 74
N74-27862* #	c 33	N75-19408* #	c 26	N75-30428* #	c 33	N76-18401* #	c 35	N76-30131* #	c 91
N74-27864* #	c 52	N75-19515* #	c 33	N75-30429* #	c 33	N76-18402* #	c 35	N76-30793* #	c 52
N74-27865* #	c 35	N75-19516* #	c 33	N75-30430* #	c 33	N76-18403* #	c 35	N76-31365* #	c 31
N74-27866* #	c 74	N75-19517* #	c 33	N75-30431* #	c 33	N76-18427* #	c 36	N76-31372* #	c 32
N74-27872* #	c 06	N75-19518* #	c 33	N75-30502* #	c 35	N76-18428* #	c 36	N76-31409* #	c 33
N74-27900* #	c 31	N75-19519* #	c 33	N75-30503* #	c 35	N76-18454* #	c 37	N76-31489* #	c 35
N74-27901* #	c 37	N75-19520* #	c 33	N75-30504* #	c 35	N76-18455* #	c 37	N76-31490* #	c 35
N74-27902* #	c 31	N75-19521* #	c 33	N75-30524* #	c 36	N76-18456* #	c 37	N76-31512* #	c 36
N74-27903* #	c 37	N75-19522* #	c 33	N75-30562* #	c 37	N76-18457* #	c 37	N76-31524* #	c 37
N74-27904* #	c 37	N75-19524* #	c 33	N75-30876* #	c 73	N76-18458* #	c 37	N76-31562* #	c 39
N74-27905* #	c 37	N75-19611* #	c 35	N75-31329* #	c 33	N76-18459* #	c 37	N76-31666* #	c 44
N74-28097* #	c 35	N75-19612* #	c 35	N75-31330* #	c 33			N76-31667* #	c 44

ACCESSION NUMBER INDEX

N79-18052

N76-31714* #	c 45	N77-22449* #	c 35	N78-10429* #	c 35	N78-24275* #	c 20	N79-10391* #	c 35
N76-31946* #	c 62	N77-22450* #	c 35	N78-10467* #	c 37	N78-24290* #	c 24	N79-10418* #	c 37
N76-31998* #	c 74	N77-22479* #	c 37	N78-10468* #	c 37	N78-24333* #	c 26	N79-10419* #	c 37
N76-32140* #	c 03	N77-22480* #	c 37	N78-10493* #	c 39	N78-24365* #	c 28	N79-10420* #	c 37
N76-32315* #	c 27	N77-22482* #	c 37	N78-10529* #	c 43	N78-24387* #	c 31	N79-10421* #	c 37
N76-32457* #	c 33	N77-22606* #	c 44	N78-10554* #	c 44	N78-24391* #	c 32	N79-10422* #	c 37
N76-33835* #	c 52	N77-22607* #	c 44	N78-10686* #	c 52	N78-24515* #	c 35	N79-10513* #	c 44
N77-10001* #	c 02	N77-22794* #	c 51	N78-10709* #	c 60	N78-24544* #	c 37	N79-10693* #	c 51
N77-10071* #	c 09	N77-22950* #	c 74	N78-10837* #	c 71	N78-24545* #	c 37	N79-10694* #	c 51
N77-10112* #	c 15	N77-22951* #	c 74	N78-12390* #	c 35	N78-24608* #	c 44	N79-10724* #	c 52
N77-10113* #	c 15	N77-23106* #	c 07	N78-12320* #	c 33	N78-24609* #	c 44	N79-10969* #	c 89
N77-10148* #	c 20	N77-23482* #	c 37	N78-13400* #	c 35	N78-24950* #	c 76	N79-11108* #	c 18
N77-10213* #	c 28	N77-23483* #	c 37	N78-13436* #	c 37	N78-25089* #	c 07	N79-11151* #	c 25
N77-10229* #	c 31	N77-24328* #	c 32	N78-13526* #	c 44	N78-25090* #	c 07	N79-11152* #	c 25
N77-10392* #	c 32	N77-24331* #	c 32	N78-13874* #	c 74	N78-25119* #	c 15	N79-11215* #	c 27
N77-10428* #	c 33	N77-24375* #	c 33	N78-14096* #	c 24	N78-25148* #	c 25	N79-11231* #	c 28
N77-10429* #	c 33	N77-24423* #	c 34	N78-14104* #	c 25	N78-25256* #	c 31	N79-11246* #	c 31
N77-10463* #	c 34	N77-24454* #	c 35	N78-14164* #	c 27	N78-25319* #	c 33	N79-11264* #	c 32
N77-10492* #	c 35	N77-24455* #	c 35	N78-14364* #	c 35	N78-25350* #	c 34	N79-11265* #	c 32
N77-10493* #	c 35	N77-25499* #	c 36	N78-14380* #	c 36	N78-25351* #	c 34	N79-11313* #	c 33
N77-10584* #	c 43	N77-25501* #	c 36	N78-14452* #	c 43	N78-25391* #	c 35	N79-11314* #	c 33
N77-10635* #	c 44	N77-25502* #	c 36	N78-14625* #	c 44	N78-25426* #	c 37	N79-11315* #	c 33
N77-10636* #	c 44	N77-25769* #	c 51	N78-14773* #	c 52	N78-25527* #	c 44	N79-11402* #	c 37
N77-10753* #	c 47	N77-25772* #	c 52	N78-14784* #	c 54	N78-25528* #	c 44	N79-11403* #	c 37
N77-10780* #	c 52	N77-26385* #	c 33	N78-14867* #	c 71	N78-25529* #	c 44	N79-11404* #	c 37
N77-10899* #	c 74	N77-26386* #	c 33	N78-14889* #	c 74	N78-25530* #	c 44	N79-11405* #	c 37
N77-11397* #	c 37	N77-26387* #	c 33	N78-15180* #	c 24	N78-25531* #	c 44	N79-11467* #	c 44
N77-12239* #	c 32	N77-26477* #	c 36	N78-15210* #	c 25	N78-27121* #	c 07	N79-11468* #	c 44
N77-12240* #	c 32	N77-26919* #	c 71	N78-15276* #	c 27	N78-27176* #	c 20	N79-11469* #	c 44
N77-12402* #	c 37	N77-26942* #	c 74	N78-15323* #	c 32	N78-27180* #	c 24	N79-11470* #	c 44
N77-12721* #	c 60	N77-27116* #	c 07	N78-15461* #	c 35	N78-27184* #	c 24	N79-11471* #	c 44
N77-13217* #	c 27	N77-27131* #	c 09	N78-15512* #	c 39	N78-27226* #	c 25	N79-11472* #	c 44
N77-13315* #	c 33	N77-27187* #	c 24	N78-15560* #	c 44	N78-27326* #	c 33	N79-11865* #	c 74
N77-13418* #	c 37	N77-27188* #	c 24	N78-15879* #	c 74	N78-27327* #	c 34	N79-11920* #	c 76
N77-14025* #	c 07	N77-27345* #	c 34	N78-15880* #	c 74	N78-27357* #	c 35	N79-12061* #	c 05
N77-14292* #	c 32	N77-27366* #	c 35	N78-16369* #	c 37	N78-27384* #	c 35	N79-12221* #	c 27
N77-14333* #	c 33	N77-27367* #	c 35	N78-16387* #	c 39	N78-27402* #	c 36	N79-12321* #	c 33
N77-14334* #	c 33	N77-27368* #	c 35	N78-17031* #	c 04	N78-27423* #	c 37	N79-12331* #	c 33
N77-14335* #	c 33	N77-27400* #	c 37	N78-17055* #	c 07	N78-27424* #	c 37	N79-12359* #	c 34
N77-14406* #	c 35	N77-27677* #	c 51	N78-17056* #	c 07	N78-27425* #	c 37	N79-12541* #	c 44
N77-14407* #	c 35	N77-28118* #	c 07	N78-17140* #	c 17	N78-27515* #	c 44	N79-12584* #	c 45
N77-14408* #	c 35	N77-28225* #	c 24	N78-17149* #	c 24	N78-27733* #	c 51	N79-12694* #	c 52
N77-14409* #	c 35	N77-28265* #	c 26	N78-17150* #	c 24	N78-27750* #	c 52	N79-12890* #	c 74
N77-14411* #	c 35	N77-28346* #	c 32	N78-17205* #	c 27	N78-27904* #	c 74	N79-13214* #	c 32
N77-14477* #	c 37	N77-28385* #	c 33	N78-17206* #	c 27	N78-27913* #	c 75	N79-13288* #	c 34
N77-14478* #	c 37	N77-28486* #	c 37	N78-17213* #	c 27	N78-28411* #	c 35	N79-13289* #	c 34
N77-14479* #	c 37	N77-28487* #	c 37	N78-17214* #	c 27	N78-28594* #	c 44	N79-13364* #	c 37
N77-14580* #	c 44	N77-28511* #	c 39	N78-17215* #	c 27	N78-28913* #	c 73	N79-13826* #	c 72
N77-14581* #	c 44	N77-28716* #	c 52	N78-17237* #	c 31	N78-29421* #	c 35	N79-13855* #	c 74
N77-14735* #	c 52	N77-28717* #	c 52	N78-17238* #	c 31	N78-31129* #	c 09	N79-13855* #	c 74
N77-14736* #	c 52	N77-28932* #	c 74	N78-17293* #	c 33	N78-31232* #	c 27	N79-14095* #	c 07
N77-14737* #	c 52	N77-28933* #	c 74	N78-17294* #	c 33	N78-31233* #	c 27	N79-14096* #	c 07
N77-14738* #	c 52	N77-29260* #	c 26	N78-17295* #	c 33	N78-31255* #	c 28	N79-14108* #	c 08
N77-14751* #	c 60	N77-30236* #	c 27	N78-17296* #	c 33	N78-31321* #	c 32	N79-14156* #	c 24
N77-17029* #	c 05	N77-30237* #	c 27	N78-17335* #	c 34	N78-31426* #	c 37	N79-14169* #	c 25
N77-17059* #	c 07	N77-30308* #	c 32	N78-17336* #	c 34	N78-31525* #	c 44	N79-14213* #	c 27
N77-17143* #	c 20	N77-30309* #	c 32	N78-17337* #	c 34	N78-31526* #	c 44	N79-14214* #	c 27
N77-17161* #	c 23	N77-30365* #	c 33	N78-17357* #	c 35	N78-31527* #	c 44	N79-14228* #	c 28
N77-17351* #	c 33	N77-30399* #	c 34	N78-17358* #	c 35	N78-31735* #	c 54	N79-14267* #	c 32
N77-17354* #	c 33	N77-30436* #	c 35	N78-17359* #	c 35	N78-31736* #	c 54	N79-14268* #	c 32
N77-17426* #	c 37	N77-30749* #	c 54	N78-17366* #	c 36	N78-32086* #	c 05	N79-14305* #	c 33
N77-17464* #	c 35	N77-31308* #	c 27	N78-17383* #	c 37	N78-32168* #	c 15	N79-14345* #	c 35
N77-17495* #	c 38	N77-31350* #	c 32	N78-17384* #	c 37	N78-32179* #	c 20	N79-14346* #	c 35
N77-18154* #	c 07	N77-31404* #	c 33	N78-17385* #	c 37	N78-32229* #	c 26	N79-14347* #	c 35
N77-18307* #	c 32	N77-31465* #	c 35	N78-17386* #	c 37	N78-32256* #	c 27	N79-14348* #	c 35
N77-18382* #	c 34	N77-31497* #	c 37	N78-17395* #	c 38	N78-32260* #	c 27	N79-14349* #	c 35
N77-18417* #	c 35	N77-31601* #	c 44	N78-17396* #	c 38	N78-32261* #	c 27	N79-14362* #	c 36
N77-18891* #	c 73	N77-32148* #	c 07	N78-17460* #	c 44	N78-32262* #	c 27	N79-14382* #	c 37
N77-18893* #	c 74	N77-32255* #	c 25	N78-17675* #	c 54	N78-32338* #	c 33	N79-14383* #	c 37
N77-19056* #	c 04	N77-32279* #	c 26	N78-17676* #	c 54	N78-32339* #	c 33	N79-14398* #	c 38
N77-19076* #	c 09	N77-32280* #	c 26	N78-17677* #	c 54	N78-32340* #	c 33	N79-14526* #	c 44
N77-19170* #	c 24	N77-32308* #	c 27	N78-17678* #	c 54	N78-32341* #	c 33	N79-14527* #	c 44
N77-19171* #	c 24	N77-32342* #	c 32	N78-17679* #	c 54	N78-32395* #	c 35	N79-14528* #	c 44
N77-19353* #	c 34	N77-32413* #	c 34	N78-17680* #	c 54	N78-32396* #	c 35	N79-14529* #	c 44
N77-19385* #	c 35	N77-32454* #	c 35	N78-17691* #	c 60	N78-32397* #	c 35	N79-14749* #	c 52
N77-19416* #	c 36	N77-32455* #	c 35	N78-17865* #	c 74	N78-32447* #	c 38	N79-14750* #	c 52
N77-19457* #	c 37	N77-32456* #	c 35	N78-17866* #	c 74	N78-32539* #	c 44	N79-14751* #	c 52
N77-19458* #	c 37	N77-32478* #	c 36	N78-17867* #	c 74	N78-32542* #	c 44	N79-14871* #	c 71
N77-19571* #	c 44	N77-32499* #	c 37	N78-18066* #	c 07	N78-32720* #	c 54	N79-14891* #	c 74
N77-19760* #	c 60	N77-32500* #	c 37	N78-18067* #	c 07	N78-32721* #	c 54	N79-14892* #	c 74
N77-20162* #	c 20	N77-32501* #	c 37	N78-18083* #	c 09	N78-32848* #	c 73	N79-14906* #	c 76
N77-20201* #	c 26	N77-32580* #	c 44	N78-18182* #	c 26	N78-32854* #	c 74	N79-15245* #	c 33
N77-20289* #	c 32	N77-32581* #	c 44	N78-18183* #	c 26	N78-33101* #	c 07	N79-16246* #	c 35
N77-20399* #	c 35	N77-32582* #	c 44	N78-18308* #	c 33	N78-33228* #	c 27	N79-16678* #	c 76
N77-20400* #	c 35	N77-32583* #	c 44	N78-18355* #	c 34	N78-33526* #	c 44	N79-16915* #	c 24
N77-20401* #	c 35	N77-32721* #	c 54	N78-18390* #	c 35	N78-33913* #	c 74	N79-17029* #	c 31
N77-20882* #	c 74	N77-32722* #	c 54	N78-18391* #	c 35	N79-10057* #	c 07	N79-17133* #	c 33
N77-21267* #	c 32	N77-32731* #	c 60	N78-18395* #	c 35	N79-10162* #	c 25	N79-17134* #	c 33
N77-21314* #	c 33	N77-32919* #	c 76	N78-18410* #	c 36	N79-10163* #	c 25	N79-17192* #	c 35
N77-21315* #	c 33	N78-10214* #	c 24	N78-18761* #	c 54	N79-10262* #	c 32	N79-17288* #	c 43
N77-21316* #	c 33	N78-10224* #	c 25	N78-18905* #	c 74	N79-10263* #	c 32	N79-17313* #	c 44
N77-21392* #	c 35	N78-10225* #	c 25	N78-19302* #	c 27	N79-10264* #	c 32	N79-17314* #	c 44
N77-21393* #	c 35	N78-10375* #	c 33	N78-19465* #	c 35	N79-10337* #	c 33	N79-17747* #	c 85
N77-21844* #	c 54	N78-10376* #	c 33	N78-19466* #	c 35	N79-10338* #	c 33	N79-17847* #	c 05
N77-21941* #	c 74	N78-10377* #	c 33	N78-19599* #	c 44	N79-10339* #	c 33	N79-17916* #	c 24
N77-22386* #	c 33	N78-10428* #	c 35	N78-19920* #	c 73	N79-10390* #	c 35	N79-18052* #	c 27

N79-18193

N79-18193* # c 33
N79-18296* # c 35
N79-18307* # c 36
N79-18318* # c 37
N79-18443* # c 44
N79-18444* # c 44
N79-18580* # c 52
N79-19186* # c 32
N79-19195* # c 32
N79-19447* # c 44
N79-20179* # c 20
N79-20296* # c 32
N79-20297* # c 32
N79-20314* # c 33
N79-20335* # c 34
N79-20336* # c 34
N79-20377* # c 37
N79-20748* # c 54
N79-20751* # c 60
N79-20827* # c 71
N79-20856* # c 74
N79-20857* # c 74
N79-21083* # c 09
N79-21084* # c 09
N79-21123* # c 20
N79-21124* # c 20
N79-21125* # c 20
N79-21190* # c 27
N79-21191* # c 27
N79-21225* # c 31
N79-21226* # c 31
N79-21227* # c 31
N79-21264* # c 33
N79-21265* # c 33
N79-21345* # c 37
N79-21750* # c 52
N79-21910* # c 76
N79-22235* # c 25
N79-22271* # c 26
N79-22300* # c 27
N79-22373* # c 33
N79-22474* # c 37
N79-22475* # c 37
N79-22537* # c 39
N79-22679* # c 46
N79-23097* # c 08
N79-23142* # c 24
N79-23310* # c 32
N79-23345* # c 33
N79-23431* # c 37
N79-23481* # c 44
N79-23555* # c 46
N79-23753* # c 71
N79-23798* # c 76
N79-24062* # c 24
N79-24073* # c 25
N79-24203* # c 32
N79-24210* # c 32
N79-24254* # c 33
N79-24257* # c 33
N79-24260* # c 33
N79-24285* # c 34
N79-24431* # c 44
N79-24432* # c 44
N79-24433* # c 44
N79-24651* # c 54
N79-24652* # c 54
N79-24958* # c 02
N79-24976* # c 05
N79-25142* # c 24
N79-25143* # c 24
N79-25314* # c 33
N79-25443* # c 43
N79-25481* # c 44
N79-25482* # c 44
N79-25876* # c 74
N79-26075* # c 12
N79-26100* # c 15
N79-26372* # c 35
N79-26439* # c 43
N79-26474* # c 44
N79-26475* # c 44
N79-26771* # c 52
N79-26772* # c 52
N79-27836* # c 52
N79-28253* # c 25
N79-28307* # c 28
N79-28342* # c 27
N79-28370* # c 31
N79-28415* # c 33
N79-28416* # c 33
N79-28527* # c 35
N79-28549* # c 37
N79-28550* # c 37
N79-28551* # c 37
N79-31228* # c 09

N79-31347* # c 24
N79-31523* # c 34
N79-31706* # c 43
N79-31752* # c 44
N79-31753* # c 44
N79-33316* # c 27
N79-33392* # c 33
N79-33393* # c 33
N79-33449* # c 35
N79-33450* # c 35
N79-33467* # c 37
N79-33468* # c 37
N79-33469* # c 37
N79-34011* # c 74
N80-10278* # c 20
N80-10358* # c 27
N80-10374* # c 28
N80-10494* # c 37
N80-10507* # c 39
N80-10709* # c 46
N80-10799* # c 54
N80-14107* # c 05
N80-14183* # c 18
N80-14188* # c 20
N80-14229* # c 26
N80-14281* # c 32
N80-14330* # c 33
N80-14332* # c 33
N80-14371* # c 35
N80-14384* # c 36
N80-14395* # c 37
N80-14397* # c 37
N80-14398* # c 37
N80-14423* # c 43
N80-14472* # c 44
N80-14473* # c 44
N80-14474* # c 44
N80-14579* # c 45
N80-14603* # c 46
N80-14684* # c 52
N80-14687* # c 52
N80-14877* # c 72
N80-16116* # c 25
N80-16158* # c 27
N80-16163* # c 27
N80-16261* # c 32
N80-16321* # c 36
N80-16452* # c 44
N80-16714* # c 51
N80-16715* # c 51
N80-16725* # c 52
N80-18036* # c 06
N80-18039* # c 07
N80-18097* # c 20
N80-18231* # c 31
N80-18252* # c 32
N80-18253* # c 32
N80-18285* # c 33
N80-18286* # c 33
N80-18287* # c 33
N80-18357* # c 35
N80-18358* # c 35
N80-18359* # c 35
N80-18364* # c 35
N80-18372* # c 36
N80-18393* # c 37
N80-18400* # c 37
N80-18402* # c 37
N80-18498* # c 43
N80-18550* # c 44
N80-18551* # c 44
N80-18552* # c 44
N80-18667* # c 48
N80-18690* # c 52
N80-18691* # c 52
N80-18951* # c 76
N80-19237* # c 26
N80-19425* # c 33
N80-20224* # c 02
N80-20334* # c 25
N80-20402* # c 28
N80-20448* # c 32
N80-20487* # c 33
N80-20559* # c 35
N80-20560* # c 35
N80-20563* # c 35
N80-20808* # c 44
N80-20810* # c 44
N80-21138* # c 74
N80-21140* # c 74
N80-21719* # c 35
N80-21828* # c 44
N80-21987* # c 60
N80-23383* # c 25
N80-23419* # c 26
N80-23452* # c 27

N80-23471* # c 28
N80-23524* # c 32
N80-23559* # c 33
N80-23653* # c 37
N80-23654* # c 37
N80-23655* # c 37
N80-23711* # c 43
N80-23969* # c 52
N80-24149* # c 74
N80-24437* # c 27
N80-24438* # c 27
N80-24510* # c 32
N80-24573* # c 34
N80-24741* # c 44
N80-24906* # c 46
N80-26298* # c 07
N80-26386* # c 23
N80-26388* # c 24
N80-26446* # c 27
N80-26599* # c 33
N80-26601* # c 33
N80-26635* # c 35
N80-26658* # c 37
N80-26659* # c 37
N80-26660* # c 37
N80-27067* # c 51
N80-27072* # c 52
N80-27163* # c 72
N80-27185* # c 74
N80-28300* # c 02
N80-28492* # c 26
N80-28536* # c 32
N80-28578* # c 28
N80-28686* # c 35
N80-28687* # c 35
N80-28711* # c 37
N80-29539* # c 32
N80-29583* # c 33
N80-29703* # c 37
N80-29834* # c 44
N80-29835* # c 44
N80-31472* # c 23
N80-31790* # c 37
N80-32244* # c 76
N80-32245* # c 76
N80-32359* # c 04
N80-32392* # c 07
N80-32484* # c 26
N80-32514* # c 27
N80-32515* # c 27
N80-32516* # c 27
N80-32583* # c 31
N80-32584* # c 31
N80-32604* # c 32
N80-32605* # c 32
N80-32650* # c 33
N80-32651* # c 33
N80-32716* # c 37
N80-32717* # c 37
N80-33081* # c 72
N80-33186* # c 52
N80-33210* # c 74
N80-33482* # c 24
N81-12174* # c 24
N81-121330* # c 33
N81-12407* # c 36
N81-12542* # c 44
N81-13999* # c 24
N81-14000* # c 24
N81-14015* # c 25
N81-14016* # c 25
N81-14076* # c 27
N81-14077* # c 27
N81-14078* # c 27
N81-14103* # c 28
N81-14137* # c 31
N81-14185* # c 32
N81-14186* # c 32
N81-14187* # c 32
N81-14220* # c 33
N81-14221* # c 33
N81-14287* # c 35
N81-14317* # c 37
N81-14318* # c 37
N81-14319* # c 37
N81-14320* # c 37
N81-14389* # c 44
N81-14605* # c 51
N81-14612* # c 52
N81-14613* # c 52
N81-14968* # c 02
N81-14999* # c 07
N81-15104* # c 27
N81-15107* # c 28
N81-15119* # c 28
N81-15154* # c 31

N81-15179* # c 32
N81-15192* # c 33
N81-15194* # c 33
N81-15363* # c 37
N81-15364* # c 37
N81-15706* # c 60
N81-15767* # c 71
N81-16209* # c 26
N81-16338* # c 32
N81-16469* # c 37
N81-16470* # c 37
N81-17057* # c 06
N81-17170* # c 24
N81-17187* # c 25
N81-17259* # c 27
N81-17260* # c 27
N81-17261* # c 27
N81-17262* # c 27
N81-17348* # c 33
N81-17349* # c 33
N81-17432* # c 37
N81-17433* # c 37
N81-17499* # c 43
N81-17518* # c 44
N81-17886* # c 74
N81-17887* # c 74
N81-17888* # c 74
N81-19016* # c 02
N81-19087* # c 05
N81-19115* # c 07
N81-19116* # c 07
N81-19130* # c 08
N81-19242* # c 25
N81-19244* # c 25
N81-19245* # c 25
N81-19296* # c 27
N81-19343* # c 31
N81-19389* # c 33
N81-19392* # c 33
N81-19393* # c 33
N81-19426* # c 35
N81-19427* # c 35
N81-19428* # c 35
N81-19455* # c 37
N81-19558* # c 44
N81-19896* # c 74
N81-19898* # c 74
N81-20352* # c 33
N81-20703* # c 52
N81-21047* # c 04
N81-22036* # c 04
N81-22280* # c 33
N81-22344* # c 36
N81-22358* # c 37
N81-22360* # c 37
N81-22894* # c 74
N81-24106* # c 08
N81-24256* # c 27
N81-24257* # c 27
N81-24258* # c 27
N81-24280* # c 28
N81-24338* # c 33
N81-24348* # c 33
N81-24422* # c 36
N81-24425* # c 36
N81-24442* # c 37
N81-24443* # c 37
N81-24519* # c 44
N81-24520* # c 44
N81-24525* # c 44
N81-24711* # c 52
N81-24724* # c 54
N81-24779* # c 62
N81-24900* # c 74
N81-24907* # c 74
N81-25159* # c 25
N81-25188* # c 26
N81-25209* # c 27
N81-25258* # c 31
N81-25259* # c 31
N81-25278* # c 32
N81-25299* # c 33
N81-25370* # c 37
N81-25371* # c 37
N81-25400* # c 39
N81-25660* # c 52
N81-25661* # c 52
N81-25662* # c 52
N81-26073* # c 02
N81-26085* # c 04
N81-26114* # c 05
N81-26152* # c 08
N81-26161* # c 14
N81-26179* # c 24

N81-26358* # c 33
N81-26359* # c 33
N81-26360* # c 33
N81-26402* # c 34
N81-26431* # c 35
N81-26447* # c 37
N81-26509* # c 43
N81-26718* # c 54
N81-27096* # c 07
N81-27121* # c 09
N81-27272* # c 27
N81-27273* # c 31
N81-27324* # c 31
N81-27341* # c 32
N81-27395* # c 33
N81-27396* # c 33
N81-27397* # c 33
N81-27403* # c 33
N81-27459* # c 35
N81-27519* # c 37
N81-27597* # c 44
N81-27599* # c 44
N81-27615* # c 44
N81-27783* # c 52
N81-27806* # c 54
N81-27814* # c 60
N81-27887* # c 71
N81-28698* # c 51
N81-28740* # c 52
N81-29129* # c 07
N81-29152* # c 18
N81-29160* # c 23
N81-29163* # c 24
N81-29178* # c 25
N81-29229* # c 27
N81-29306* # c 32
N81-29312* # c 32
N81-29342* # c 33
N81-29407* # c 35
N81-29524* # c 44
N81-29525* # c 44
N81-29531* # c 44
N81-29763* # c 52
N81-29764* # c 52
N81-29768* # c 52
N81-29963* # c 74
N81-31482* # c 33
N81-31551* # c 37
N81-31848* # c 54
N81-32138* # c 05
N81-32510* # c 37
N81-32829* # c 51
N81-33235* # c 24
N81-33246* # c 25
N81-33306* # c 28
N81-33319* # c 31
N81-33403* # c 33
N81-33404* # c 33
N81-33405* # c 33
N81-33448* # c 35
N81-33449* # c 35
N81-33482* # c 37
N81-33483* # c 37
N81-33804* # c 52
N82-10186* # c 18
N82-10286* # c 32
N82-10324* # c 33
N82-10360* # c 34
N82-10496* # c 44
N82-10862* # c 74
N82-11088* # c 09
N82-11144* # c 25
N82-11206* # c 27
N82-11210* # c 27
N82-11312* # c 31
N82-11336* # c 32
N82-11357* # c 33
N82-11359* # c 33
N82-11360* # c 33
N82-11399* # c 34
N82-11431* # c 35
N82-11432* # c 35
N82-11469* # c 37
N82-11470* # c 37
N82-11634* # c 45
N82-11770* # c 52
N82-11785* # c 60
N82-12166* # c 25
N82-12241* # c 28
N82-12297* # c 32
N82-12298* # c 32
N82-12345* # c 33
N82-12346* # c 33
N82-12349* # c 33
N82-12441* # c 37

ACCESSION NUMBER INDEX

ACCESSION NUMBER INDEX

N83-31952

N82-12442* #	c 37	N82-25240* #	c 05	N82-29454* #	c 27	N83-13978* #	c 74	N83-24768* #	c 33
N82-12685* #	c 46	N82-25335* #	c 25	N82-29455* #	c 27	N83-13982* #	c 74	N83-24769* #	c 33
N82-13376* #	c 34	N82-25394* #	c 28	N82-29456* #	c 27	N83-14129* #	c 07	N83-24828* #	c 35
N82-13415* #	c 36	N82-25440* #	c 33	N82-29538* #	c 33	N83-14275* #	c 27	N83-24842* #	c 36
N82-13465* #	c 43	N82-25484* #	c 35	N82-29539* #	c 33	N83-14276* #	c 27	N83-25217* #	c 45
N82-15381* #	c 35	N82-25497* #	c 36	N82-29580* #	c 35	N83-14607* #	c 43	N83-25346* #	c 52
N82-16059* #	c 04	N82-25517* #	c 37	N82-29589* #	c 36	N83-14692* #	c 44	N83-25378* #	c 60
N82-16075* #	c 06	N82-26260* #	c 04	N82-29604* #	c 37	N83-14693* #	c 44	N83-25539* #	c 74
N82-16174* #	c 23	N82-26277* #	c 05	N82-29605* #	c 37	N83-14863* #	c 47	N83-25540* #	c 74
N82-16238* #	c 27	N82-26293* #	c 07	N82-29606* #	c 37	N83-15044* #	c 71	N83-25541* #	c 74
N82-16340* #	c 33	N82-26294* #	c 07	N82-29708* #	c 44	N83-15149* #	c 76	N83-25542* #	c 74
N82-16396* #	c 36	N82-26384* #	c 24	N82-29709* #	c 44	N83-16626* #	c 33	N83-25587* #	c 76
N82-16408* #	c 37	N82-26385* #	c 24	N82-29710* #	c 44	N83-16633* #	c 33	N83-25663* #	c 02
N82-16474* #	c 44	N82-26386* #	c 24	N82-29713* #	c 44	N83-17045* #	c 51	N83-25727* #	c 09
N82-16475* #	c 44	N82-26387* #	c 24	N82-29714* #	c 44	N83-17235* #	c 71	N83-25789* #	c 24
N82-16747* #	c 60	N82-26389* #	c 24	N82-29862* #	c 52	N83-17305* #	c 74	N83-25791* #	c 24
N82-16800* #	c 71	N82-26396* #	c 25	N82-29863* #	c 52	N83-17525* #	c 03	N83-25811* #	c 25
N82-18203* #	c 05	N82-26397* #	c 25	N82-30071* #	c 74	N83-17536* #	c 06	N83-25884* #	c 27
N82-18314* #	c 20	N82-26431* #	c 26	N82-30073* #	c 74	N83-17588* #	c 20	N83-25983* #	c 33
N82-18389* #	c 27	N82-26460* #	c 27	N82-30105* #	c 76	N83-17590* #	c 23	N83-25984* #	c 33
N82-18390* #	c 27	N82-26462* #	c 27	N82-30371* #	c 26	N83-17601* #	c 24	N83-26078* #	c 37
N82-18401* #	c 28	N82-26464* #	c 27	N82-30472* #	c 33	N83-17602* #	c 24	N83-26080* #	c 37
N82-18443* #	c 32	N82-26481* #	c 28	N82-31398* #	c 16	N83-17603* #	c 24	N83-26258* #	c 44
N82-18493* #	c 33	N82-26503* #	c 31	N82-31505* #	c 26	N83-17628* #	c 25	N83-26646* #	c 71
N82-18494* #	c 33	N82-26523* #	c 32	N82-31583* #	c 32	N83-17683* #	c 26	N83-27058* #	c 31
N82-18557* #	c 35	N82-26568* #	c 33	N82-31659* #	c 35	N83-17714* #	c 27	N83-27085* #	c 32
N82-18601* #	c 37	N82-26569* #	c 33	N82-31688* #	c 37	N83-17715* #	c 27	N83-27126* #	c 33
N82-18686* #	c 44	N82-26570* #	c 33	N82-31689* #	c 37	N83-17745* #	c 31	N83-27144* #	c 34
N82-19029* #	c 74	N82-26571* #	c 33	N82-31690* #	c 37	N83-17746* #	c 31	N83-27184* #	c 35
N82-19030* #	c 74	N82-26572* #	c 33	N82-31764* #	c 44	N83-17802* #	c 33	N83-27344* #	c 44
N82-19540* #	c 37	N82-26573* #	c 33	N82-31769* #	c 44	N83-17803* #	c 33	N83-27569* #	c 51
N82-20398* #	c 33	N82-26575* #	c 33	N82-32366* #	c 07	N83-17804* #	c 33	N83-27577* #	c 52
N82-20465* #	c 34	N82-26628* #	c 35	N82-32373* #	c 08	N83-17856* #	c 35	N83-27578* #	c 52
N82-20544* #	c 37	N82-26629* #	c 35	N82-32417* #	c 24	N83-17857* #	c 35	N83-27975* #	c 05
N82-20545* #	c 37	N82-26630* #	c 35	N82-32490* #	c 27	N83-17882* #	c 37	N83-28064* #	c 18
N82-21268* #	c 25	N82-26631* #	c 35	N82-32659* #	c 35	N83-17883* #	c 37	N83-28076* #	c 23
N82-21269* #	c 25	N82-26632* #	c 35	N82-32661* #	c 35	N83-18025* #	c 44	N83-28095* #	c 24
N82-21587* #	c 37	N82-26633* #	c 35	N82-32712* #	c 36	N83-18254* #	c 54	N83-28240* #	c 27
N82-22347* #	c 26	N82-26634* #	c 35	N82-32730* #	c 37	N83-18423* #	c 72	N83-28281* #	c 31
N82-22437* #	c 33	N82-26635* #	c 35	N82-32731* #	c 37	N83-18485* #	c 74	N83-28319* #	c 33
N82-22496* #	c 37	N82-26636* #	c 35	N82-32732* #	c 37	N83-18533* #	c 76	N83-28329* #	c 33
N82-22672* #	c 44	N82-26652* #	c 36	N82-32841* #	c 44	N83-18597* #	c 32	N83-28356* #	c 34
N82-22673* #	c 44	N82-26672* #	c 37	N82-32843* #	c 44	N83-18908* #	c 27	N83-28450* #	c 37
N82-22875* #	c 52	N82-26673* #	c 37	N82-32971* #	c 52	N83-18975* #	c 33	N83-28573* #	c 44
N82-23031* #	c 76	N82-26674* #	c 37	N82-32985* #	c 54	N83-19015* #	c 34	N83-28574* #	c 44
N82-23231* #	c 04	N82-26675* #	c 37	N82-32986* #	c 54	N83-19091* #	c 37	N83-28590* #	c 51
N82-23254* #	c 09	N82-26676* #	c 37	N82-33288* #	c 85	N83-19596* #	c 74	N83-29032* #	c 74
N82-23282* #	c 25	N82-26776* #	c 44	N82-33372* #	c 05	N83-19597* #	c 74	N83-29033* #	c 02
N82-23376* #	c 32	N82-26777* #	c 44	N82-33419* #	c 18	N83-19715* #	c 02	N83-29197* #	c 05
N82-23396* #	c 33	N82-26779* #	c 44	N82-33520* #	c 27	N83-19737* #	c 05	N83-29302* #	c 17
N82-24072* #	c 74	N82-26780* #	c 44	N82-33521* #	c 27	N83-19826* #	c 25	N83-29303* #	c 18
N82-24079* #	c 75	N82-26890* #	c 46	N82-33522* #	c 27	N83-19890* #	c 26	N83-29324* #	c 25
N82-24205* #	c 08	N82-26960* #	c 52	N82-33523* #	c 27	N83-19900* #	c 27	N83-29325* #	c 25
N82-24212* #	c 09	N82-26961* #	c 52	N82-33593* #	c 32	N83-19903* #	c 27	N83-29388* #	c 27
N82-24272* #	c 15	N82-26962* #	c 52	N82-33634* #	c 33	N83-19904* #	c 27	N83-29390* #	c 27
N82-24296* #	c 24	N82-26987* #	c 54	N82-33681* #	c 35	N83-19947* #	c 31	N83-29391* #	c 27
N82-24312* #	c 25	N82-27086* #	c 71	N82-33712* #	c 37	N83-19968* #	c 32	N83-29392* #	c 27
N82-24338* #	c 27	N82-27087* #	c 71	N82-33996* #	c 52	N83-19969* #	c 32	N83-29446* #	c 31
N82-24339* #	c 27	N82-27121* #	c 74	N83-10040* #	c 06	N83-19970* #	c 32	N83-29590* #	c 33
N82-24340* #	c 27	N82-27158* #	c 32	N83-10117* #	c 24	N83-20083* #	c 35	N83-29591* #	c 33
N82-24344* #	c 27	N82-28279* #	c 05	N83-10126* #	c 25	N83-20084* #	c 35	N83-29592* #	c 33
N82-24345* #	c 27	N82-28318* #	c 15	N83-10170* #	c 26	N83-20085* #	c 35	N83-29593* #	c 33
N82-24415* #	c 33	N82-28353* #	c 23	N83-10345* #	c 33	N83-20092* #	c 36	N83-29594* #	c 33
N82-24416* #	c 33	N82-28368* #	c 25	N83-10417* #	c 36	N83-20152* #	c 37	N83-29595* #	c 33
N82-24417* #	c 33	N82-28440* #	c 27	N83-10494* #	c 44	N83-20153* #	c 37	N83-29625* #	c 34
N82-24418* #	c 33	N82-28441* #	c 27	N83-10501* #	c 44	N83-20154* #	c 37	N83-29650* #	c 35
N82-24419* #	c 33	N82-28442* #	c 27	N83-10900* #	c 74	N83-20155* #	c 37	N83-29651* #	c 35
N82-24420* #	c 33	N82-28444* #	c 27	N83-12098* #	c 08	N83-20156* #	c 37	N83-29652* #	c 35
N82-24421* #	c 33	N82-28502* #	c 32	N83-12138* #	c 18	N83-20157* #	c 37	N83-29654* #	c 35
N82-24422* #	c 33	N82-28545* #	c 33	N83-12176* #	c 24	N83-20280* #	c 39	N83-29680* #	c 36
N82-24427* #	c 33	N82-28549* #	c 33	N83-12239* #	c 27	N83-20284* #	c 39	N83-29681* #	c 36
N82-24428* #	c 33	N82-28550* #	c 33	N83-12308* #	c 32	N83-20324* #	c 43	N83-29706* #	c 37
N82-24432* #	c 33	N82-28604* #	c 35	N83-12332* #	c 33	N83-20374* #	c 44	N83-29707* #	c 37
N82-24448* #	c 34	N82-28616* #	c 36	N83-12333* #	c 33	N83-20446* #	c 45	N83-29708* #	c 37
N82-24470* #	c 35	N82-28618* #	c 36	N83-12334* #	c 33	N83-20447* #	c 45	N83-29783* #	c 43
N82-24471* #	c 35	N82-28619* #	c 36	N83-12335* #	c 33	N83-20539* #	c 52	N83-29804* #	c 44
N82-24473* #	c 35	N82-28640* #	c 37	N83-12361* #	c 34	N83-20634* #	c 62	N83-29805* #	c 44
N82-24475* #	c 35	N82-28641* #	c 37	N83-12397* #	c 35	N83-20757* #	c 74	N83-29806* #	c 44
N82-24485* #	c 36	N82-28642* #	c 37	N83-12434* #	c 37	N83-20769* #	c 76	N83-29991* #	c 52
N82-24490* #	c 37	N82-28780* #	c 44	N83-12932* #	c 64	N83-20944* #	c 07	N83-30222* #	c 74
N82-24491* #	c 37	N82-28784* #	c 44	N83-12969* #	c 71	N83-20995* #	c 17	N83-30268* #	c 76
N82-24492* #	c 37	N82-28785* #	c 44	N83-12986* #	c 73	N83-20996* #	c 18	N83-30269* #	c 76
N82-24493* #	c 37	N82-29002* #	c 54	N83-12991* #	c 74	N83-21143* #	c 27	N83-30651* #	c 27
N82-24494* #	c 37	N82-29013* #	c 60	N83-12992* #	c 74	N83-21238* #	c 33	N83-30832* #	c 32
N82-24639* #	c 44	N82-29112* #	c 71	N83-13149* #	c 16	N83-21311* #	c 35	N83-30957* #	c 34
N82-24640* #	c 44	N82-29319* #	c 06	N83-13171* #	c 24	N83-21312* #	c 35	N83-31019* #	c 37
N82-24641* #	c 44	N82-29330* #	c 09	N83-13172* #	c 24	N83-21316* #	c 35	N83-31603* #	c 07
N82-24642* #	c 44	N82-29331* #	c 09	N83-13187* #	c 25	N83-21503* #	c 44	N83-31743* #	c 25
N82-24643* #	c 44	N82-29358* #	c 23	N83-13188* #	c 25	N83-21504* #	c 44	N83-31795* #	c 26
N82-24644* #	c 44	N82-29362* #	c 24	N83-13258* #	c 27	N83-21785* #	c 52	N83-31854* #	c 27
N82-24645* #	c 44	N82-29370* #	c 25	N83-13323* #	c 32	N83-21903* #	c 72	N83-31855* #	c 27
N82-24716* #	c 44	N82-29371* #	c 25	N83-13360* #	c 33	N83-21949* #	c 74	N83-31895* #	c 31
N82-24779* #	c 47	N82-29415* #	c 26	N83-13424* #	c 35	N83-21950* #	c 74	N83-31896* #	c 31
N82-24839* #	c 60	N82-29451* #	c 27	N83-13425* #	c 35	N83-24572* #	c 25	N83-31897* #	c 31
N82-24953* #	c 72	N82-29452* #	c 27	N83-13460* #	c 37	N83-24639* #	c 26	N83-31918* #	c 32
N82-25042* #	c 91	N82-29453* #	c 27	N83-13579* #	c 44	N83-24763* #	c 33	N83-31952* #	c 33

N83-31953**ACCESSION NUMBER INDEX**

N83-31953* # c 33
N83-31954* # c 33
N83-31993* # c 34
N83-32026* # c 35
N83-32067* # c 37
N83-32081* # c 39
N83-32175* # c 44
N83-32176* # c 44
N83-32177* # c 44
N83-32232* # c 47
N83-32342* # c 60
N83-32515* # c 71
N83-32516* # c 71
N83-32577* # c 74
N83-33137* # c 36
N83-33882* # c 06
N83-33884* # c 07
N83-33950* # c 24
N83-33977* # c 25
N83-34014* # c 26
N83-34039* # c 27
N83-34040* # c 27
N83-34041* # c 27
N83-34043* # c 27
N83-34044* # c 27
N83-34073* # c 31
N83-34189* # c 33
N83-34190* # c 33
N83-34191* # c 33
N83-34221* # c 34
N83-34272* # c 35
N83-34273* # c 35
N83-34304* # c 36
N83-34323* # c 37
N83-34448* # c 44
N83-34449* # c 44
N83-34796* # c 76
N83-34934* # c 05
N83-35158* # c 28
N83-35176* # c 31
N83-35177* # c 31
N83-35178* # c 31
N83-35227* # c 33
N83-35228* # c 33
N83-35229* # c 33
N83-35307* # c 34
N83-35338* # c 35
N83-35350* # c 36
N83-35781* # c 71
N83-35825* # c 74
N83-35888* # c 76
N83-35992* # c 01
N83-36029* # c 07
N83-36118* # c 25
N83-36119* # c 25
N83-36120* # c 25
N83-36121* # c 25
N83-36122* # c 25
N83-36220* # c 27
N83-36355* # c 33
N83-36356* # c 33
N83-36357* # c 33
N83-36482* # c 37
N83-36483* # c 37
N83-36484* # c 37
N83-36485* # c 37
N83-36846* # c 71
N83-36847* # c 71
N83-36898* # c 74

1. Report No. NASA SP-7039 (24)	2. Government Accession No.	3. Recipient's Catalog No.	
4. Title and Subtitle NASA PATENT ABSTRACTS BIBLIOGRAPHY A Continuing Bibliography (Supplement 24)		5. Report Date January 1984	
		6. Performing Organization Code	
7. Author(s)		8. Performing Organization Report No.	
		10. Work Unit No.	
9. Performing Organization Name and Address National Aeronautics and Space Administration Washington, D.C. 20546		11. Contract or Grant No.	
		13. Type of Report and Period Covered	
12. Sponsoring Agency Name and Address		14. Sponsoring Agency Code	
15. Supplementary Notes Section 2: Indexes			
16. Abstract This bibliography is issued in two sections: Section 1 - Abstracts, Section 2 - Indexes. This issue of the Index Section contains entries for over 4300 patent and applications for patent citations covering the period May 1969 through December 1984. The Index Section contains six indexes: subject, inventor, source, contract, number and accession number.			
17. Key Words (Suggested by Author(s)) Bibliographies Inventions NASA Programs Patents		18. Distribution Statement Unclassified - Unlimited	
19. Security Classif. (of this report) Unclassified	20. Security Classif. (of this page) Unclassified	21. No. of Pages 387	22. Price* \$20.00HC

PUBLIC COLLECTIONS OF NASA DOCUMENTS

DOMESTIC

NASA distributes its technical documents and bibliographic tools to eleven special libraries located in the organizations listed below. Each library is prepared to furnish the public such services as reference assistance, interlibrary loans, photocopy service, and assistance in obtaining copies of NASA documents for retention.

CALIFORNIA

University of California, Berkeley

COLORADO

University of Colorado, Boulder

DISTRICT OF COLUMBIA

Library of Congress

GEORGIA

Georgia Institute of Technology, Atlanta

ILLINOIS

The John Crerar Library, Chicago

MASSACHUSETTS

Massachusetts Institute of Technology, Cambridge

MISSOURI

Linda Hall Library, Kansas City

NEW YORK

Columbia University, New York

OKLAHOMA

University of Oklahoma, Bizzell Library

PENNSYLVANIA

Carnegie Library of Pittsburgh

WASHINGTON

University of Washington, Seattle

NASA publications (those indicated by an '*' following the accession number) are also received by the following public and free libraries:

CALIFORNIA

Los Angeles Public Library

San Diego Public Library

COLORADO

Denver Public Library

CONNECTICUT

Hartford Public Library

MARYLAND

Enoch Pratt Free Library, Baltimore

MASSACHUSETTS

Boston Public Library

MICHIGAN

Detroit Public Library

MINNESOTA

Minneapolis Public Library and Information Center

NEW JERSEY

Trenton Public Library

NEW YORK

Brooklyn Public Library

Buffalo and Erie County Public Library

Rochester Public Library

New York Public Library

OHIO

Akron Public Library

Cincinnati and Hamilton County Public Library

Cleveland Public Library

Dayton Public Library

Toledo and Lucas County Public Library

TEXAS

Dallas Public Library

Fort Worth Public Library

WASHINGTON

Seattle Public Library

WISCONSIN

Milwaukee Public Library

An extensive collection of NASA and NASA-sponsored documents and aerospace publications available to the public for reference purposes is maintained by the American Institute of Aeronautics and Astronautics, Technical Information Service, 555 West 57th Street, 12th Floor, New York, New York 10019.

EUROPEAN

An extensive collection of NASA and NASA-sponsored publications is maintained by the British Library Lending Division, Boston Spa, Wetherby, Yorkshire, England. By virtue of arrangements other than with NASA, the British Library Lending Division also has available many of the non-NASA publications cited in *STAR*. European requesters may purchase facsimile copy of microfiche of NASA and NASA-sponsored documents, those identified by both the symbols '#' and '*', from: ESA - Information Retrieval Service, European Space Agency, 8-10 rue Mario-Nikis, 75738 Paris CEDEX 15, France.

National Aeronautics and
Space Administration

Washington, D.C.
20546

Official Business

Penalty for Private Use, \$300

SPECIAL FOURTH CLASS MAIL
Book

Postage and Fees Paid
National Aeronautics and
Space Administration
NASA-451



NASA

POSTMASTER: If Undeliverable (Section 158
Postal Manual) Do Not Return
